

# A Complete Bibliography of Publications in *Annals of the Institute of Statistical Mathematics*

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## Title word cross-reference

$(0, \theta)$  [969].  $(k, t)$  [673, 651]. 0 [1407, 1426]. 1 [1407, 1426].  $1/p$  [460]. 2 [1840, 31].  $2^7$  [777].  $2^l$  [837].  $2^m$  [1453, 862, 1018, 1361, 1708, 400, 837, 597].  $2^{m_1+m_2}$  [1376].  $2^r$  [1361].  $2l+1$  [1453, 862, 1018].  $2 \times 2$  [1301].  $2 \times 2 \times 2$  [1150, 1150]. 3 [48, 2752].  $3^n$  [838].  $3 \times 3$  [1030].  $[\theta, \theta+1]$  [1112, 1027].  ${}_0$ [Hebrew letter tsade] [557].  ${}_1$  [722].  ${}_2F_1$  [791].  ${}_VC$  [463].  $a$  [1541].  $\alpha$  [2287, 2388, 2189, 2280, 2576, 2903].  $\text{AR}(p)$  [2933, 993].  $\beta$  [746].  $C$  [3223, 854, 216, 2537, 3285, 1150, 402].  $c+1$  [216].  $C_p$  [1945].  $\chi^2$  [101, 782, 468].  $D$  [2137, 1713, 2512, 2349, 457, 2167].  $D_n$  [1167].  $\delta$  [3198].  $E$  [2537, 1347, 1489, 1432].  $\epsilon$  [465, 550, 1171, 2445].  $\epsilon_n$  [2482].  $\text{EX}(p)$  [993].  $F$  [1958, 1940, 2596, 1644, 2086, 468, 3195, 449, 748, 1323, 308, 451, 978, 1670, 1715, 2072].  $f^{-2}$  [225].  $F_1$  [722].  $\frac{1}{2} \sum \frac{\partial^2}{\partial x^{i2}} + \sum b^i(x) \frac{\partial}{\partial x^i}$  [228].  $g$  [3033].  $\Gamma$  [127].  $H$  [866].  $H_M$  [463].  $H_{MVC}$  [463].  $I$  [2032, 2369, 516].  $\infty$  [2107].  $J$  [2528].  $K$  [1261, 608, 583, 3007, 897, 1287, 1314, 1525, 1841, 1907, 1958, 2210, 581, 2036, 1370, 3242, 1262, 1327, 2643, 868, 1397, 1427, 1833, 1983, 365, 2434, 2361, 2780, 248, 3286, 1951, 525, 1326, 1884, 3195, 1027, 1740, 1494, 509, 720, 1780, 2228, 176, 664, 1097, 983, 2067, 1068, 1188].  $k(\geq 2)$  [1912].  $k^n$  [604].  $k \geq 3$  [1068].  $k \geq v$  [1489].  $L$  [1245, 1626, 866, 1817, 1570, 2361].  $L^1$  [3423].  $L^2$  [3119].  $L^p$  [787, 3449].  $L_0$  [3136].  $L_1$  [1575, 1910, 1750, 2006, 2192, 2364, 3289, 3288].  $L_2$  [2394, 2521, 2192].  $L_{mvc}$  [1031].  $L_p$



[1192, 1245, 3181, 3181].  $L_q \simeq \alpha \cdot \rho^\beta / (1 - \rho)$  [929].  $L_{VC}$  [1110].  $\Lambda$  [2770].  $LR$  [3029].  $M$  [2515, 1684, 3247, 2083, 2621, 2622, 1626, 1604, 2425, 3351, 2544, 2586, 2836, 3329, 2691, 1746, 1979, 2297, 3208, 3336, 1517, 1597, 2323, 2481, 1293, 3100, 2779, 1838, 449, 748, 2771].  $m^2$  [974].  $\mathbf{R}$  [3177].  $\mathbf{R}^+$  [3317].  $\mathcal{M}$  [2673].  $MM$  [2758].  $\mu \pm k\delta$  [159].  $\mu \pm k\sigma$  [132].  $MV$  [1347, 1432].  $N$  [852, 1398, 281, 1958, 2643, 2328, 2481, 1983, 605, 1070, 3195, 1102, 1740, 764, 1479, 597, 1652, 2228, 2597, 2985].  $n \leq 10$  [1167].  $N \leq 42$  [777].  $\Omega = O(n)$  [666, 999].  $\omega^2$  [2004].  $\text{orthomin}(k)$  [1633].  $P$  [2166, 3056, 1203, 1258, 3168, 1927, 798, 3291].  $P(X < Y)$  [486, 901, 2139].  $p^*$  [2159].  $\psi$  [1385, 3046].  $q$  [2069].  $R$  [300, 2530, 1951, 29, 36].  $R^d$  [1701].  $R^m$  [1824].  $r \times c$  [757].  $S$  [2811, 2758].  $S^M$  [711, 624].  $S_1$  [765].  $S_1 S_2^{-1}$  [939, 1054].  $S_2^{-1}$  [765].  $S_h S_e^{-1}$  [940].  $\sigma$  [899].  $T$  [547, 1238, 487, 2493, 1239, 1348, 1141, 1324].  $T^*$  [1269].  $T^2$  [1064, 121].  $T_0^2$  [807, 578, 677, 1107, 1063].  $T_3$  [374, 621].  $T_m$  [778].  $\theta$  [1152].  $\theta(1 - p)$  [875].  $\theta(p)$  [875].  $U$  [2948, 659, 2552, 3424, 2460, 366, 2915, 2536, 1465, 2828, 787, 3091, 683].  $u(x)C(\theta) \exp(-x/\theta)$  [1727].  $V$  [777, 128, 2915, 2536, 548, 1708, 2685].  $\varphi$  [1086].  $X$  [901, 745].  $X^2$  [2155].  $x'V^{-1}x$  [1042].  $Y$  [901].  $Z$  [300, 2116, 101, 1590].  $Z_+$  [2126, 2658].  $||$  [111].

**-ary** [605, 1070, 1102, 764]. **-class** [868, 720, 664, 1097, 621]. **-component** [1833]. **-connections** [1541, 2576]. **-consistency** [1192]. **-convergence** [1245, 787]. **-correct** [1385]. **-cube** [852]. **-decomposability** [2673]. **-dependence** [1838, 2771]. **-Dimensional** [2069, 1840, 31, 48, 2597, 281]. **-Dissimilarity** [978, 2072]. **-distance** [1750]. **-distributed** [127]. **-distribution** [1644]. **-distributions** [468]. **-divergence** [1670, 1715, 3223]. **-entropy** [465, 550]. **-equivalence** [1171, 1152]. **-Estimates** [2297, 2323, 1245, 2621, 2622, 1979]. **-estimation** [1684, 3247, 2544, 2836]. **-estimator** [1604, 3351, 1597]. **-estimators** [2515, 1945, 1626, 2425, 2586, 3329, 2691, 1746, 3208, 3336, 1517]. **-extended** [1027]. **-family** [1727]. **-Function** [2528]. **-Functional** [2083]. **-goodness-of-fit** [3119]. **-grouped** [1293]. **-HNBUE** [1326]. **-in-a-row** [1427]. **-Markov** [2445]. **-means** [3007]. **-method** [547]. **-minimisers** [2482]. **-Mixing** [2189, 2280]. **-Monotonicity** [2287]. **-neighborhood** [3198]. **-norm** [3181, 1575, 3181]. **-optimal** [1086, 3285, 2512, 2349, 2137, 1713, 2537, 1347]. **-optimality** [1432]. **-order** [1203, 1261, 1262, 1327]. **-orthogonal** [2685]. **-Out-Of** [2228, 1958, 2643, 1983, 3195, 1740]. **-overlapping** [2361]. **-parameter** [1188]. **-paths** [2811]. **-point** [983, 3423]. **-prior** [3033]. **-Projection** [2032, 2369]. **-records** [2434]. **-regression** [2758]. **-risk** [1750]. **-sample** [854, 897, 3242, 509, 402]. **-sets** [673, 651]. **-splines** [3056]. **-squares** [1323]. **-stable** [2903]. **-state** [1068]. **-static** [748]. **-Statistic** [2004, 2948, 2596]. **-statistics** [659, 2552, 807, 3424, 2460, 2915, 1465, 449, 2828, 1817, 1570, 787, 121, 457, 3091]. **-Sufficient** [2166]. **-tensors** [2752]. **-test** [487, 308, 451]. **-tests** [1940]. **-th** [1258, 2530, 3286, 516, 3100]. **-transforms** [1590]. **-type** [2493, 778]. **-unimodality** [2388]. **-valued** [2126]. **-values** [3168, 1927, 3291]. **-way** [1398]. **-weak** [3046].

**1** [314, 327, 1205]. **1/p** [1335]. **1987/88** [1665].

**2** [249]. **2020** [3353, 3356, 3354]. **2nd** [1646]. **2th** [1646].

**3/2th** [1646].



**43-3-01** [1676].

**A.** [841]. **abelian** [836, 1008, 2269]. **aberration** [2745, 3339]. **ABIC** [1649]. **ABS** [1675]. **abscissa** [18]. **Absence** [2579]. **Absolute** [2061, 31, 48, 1723, 1653, 3405]. **absolutely** [1081, 1082, 2460, 853]. **absorbing** [814]. **Abstract** [2269]. **Accelerated** [3073, 1894, 3076, 3067]. **Acceptance** [180, 2706]. **according** [1678]. **accumulated** [603]. **accumulation** [116]. **Accuracy** [2049, 2391, 3054, 1813, 2621, 2622, 3235, 3358, 2953]. **Accurate** [2615, 1212, 2683]. **Acknowledgement** [1810, 1886, 2001, 2277, 2410, 2461, 1010, 640]. **Acknowledgment** [1757]. **action** [118, 789, 967]. **Actions** [2012]. **Active** [2311]. **acts** [3251]. **actuarial** [2725]. **adaptation** [3036, 2649]. **adapted** [2479]. **Adaptive** [3366, 884, 2346, 2146, 1881, 2544, 2284, 2292, 3153, 3145, 2792, 2380, 1147, 1011, 3450, 2957, 3171, 3170, 3281, 3237, 2913, 3332, 2863, 3429]. **adaptive-to-model** [3171, 3170]. **Addendum** [711]. **addition** [3190]. **Additional** [3124, 1133, 1198, 1500]. **Additive** [2776, 3066, 3379, 3212, 2784, 3325, 3257, 494, 2488, 3116, 3277, 351, 3189, 1230, 2638, 932, 2692, 3026]. **Additivity** [2283, 2693, 3011]. **adequacy** [1547, 2921]. **adequate** [1114, 1195]. **adjacent** [2454]. **Adjusted** [2080, 2399, 2990, 3145, 3058, 1983, 2765, 941, 2913]. **Adjustment** [1158]. **Adjustments** [2816]. **Admissibility** [1623, 1807, 1681, 1241, 585, 2097, 1896, 2108, 408, 2472, 1625, 1674, 1162]. **Admissible** [1572, 2631, 1224, 1209]. **admitting** [398]. **Advection** [2161]. **Affine** [2240, 2655]. **Affinity** [2186, 1081, 1082, 1166, 978, 718, 441, 641, 818]. **after** [1271, 1771, 3281, 3380, 1088]. **aftershock** [2718]. **Against** [2019, 1131, 1440, 1939, 2965, 665, 681, 3440, 1179, 713, 1431]. **age** [1493, 1946]. **age-period-cohort** [1493]. **aggregates** [1464]. **aging** [1992, 1925]. **agricultural** [3434, 41]. **AIC** [966, 2514, 2563, 2031, 3032, 985, 3185]. **aided** [3064]. **AISM** [1676]. **Akaike** [1267, 3355, 1268, 3353, 3356, 3354, 2710, 1162]. **Aki** [1439]. **Alexander** [2931]. **algebra** [2912]. **algebraic** [2742, 2749]. **Algorithm** [2175, 1709, 2440, 2568, 2405, 2570, 3047, 3103]. **Algorithms** [2706, 1507, 2714, 2874, 693, 729]. **Alias** [1018]. **Aliasing** [2026, 776, 3138]. **aligned** [1291, 1686]. **Allocation** [2172, 302, 1101, 396, 3359, 3445, 480, 851, 1168, 1252, 827]. **allocations** [3205, 867]. **almost** [1655, 1128]. **alternating** [2874]. **Alternative** [2266, 1295, 1681, 1531, 3191, 1927, 1064, 1273, 1342, 1071, 1431]. **Alternatives** [2019, 2272, 1468, 3119, 2510, 717, 1939, 665, 681, 3440, 762, 819, 874, 1179, 1392, 1606, 1567]. **alternatives-I** [665]. **alternatives-II** [681]. **ambiguous** [1224]. **among** [1543, 1632, 759, 697, 1573]. **amount** [1582]. **ample** [2743]. **amplitude** [2448]. **analogue** [633, 741]. **Analogues** [2288, 1558, 1273, 1313]. **analyses** [2615, 510, 326, 1377]. **Analysis** [2079, 2558, 861, 2195, 2424, 2216, 2217, 1675, 2099, 2226, 2787, 2290, 2229, 507, 1401, 2207, 2214, 985, 2300, 2063, 1443, 2297, 2768, 2180, 653, 172, 195, 817, 966, 2677, 343, 1015, 1134, 1450, 244, 1267, 1268, 972, 333, 3238, 2428, 2840, 2712, 1417, 2750, 2447, 3410, 1485, 1198, 1631, 3065, 636, 926, 1491, 3387, 2888, 2841, 3304, 1666, 1354, 2570, 438, 166, 375, 598, 1531, 3333, 3437, 2846, 2760, 744, 843, 3290, 3195, 2970, 55, 1459, 260, 546, 3433, 307, 308, 2920, 885, 4, 191, 264, 1437, 422, 2755, 273, 1770, 163, 998, 443, 927, 722, 791, 3392]. **analysis** [3297, 1418, 1313, 2930, 1536, 991, 1415, 1979, 1474, 1588, 2958, 1792, 2794, 3448, 2927, 2844, 3067, 2703]. **analytic** [1255]. **analytical** [1]. **ANCOVA** [3188]. **Anderson** [971]. **Angular** [2253, 2652]. **angular-linear** [2652]. **animal** [1044]. **Annals** [249]. **Announcement** [1663].



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**Approximating** [1538, 3424, 1942].  
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**Asymptotic** [2022, 2313, 883, 2940, 666, 722, 791, 1391, 1050, 1307, 2093, 543, 3390, 1798, 3336, 1286, 1597, 2247, 3447, 880, 2705, 882, 1017, 1402, 1482, 1646, 3052, 2391, 2955, 1910, 868, 905, 647, 765, 918, 419, 2428, 974, 1523, 846, 2951, 952, 1412, 1929, 3182, 488, 670, 695, 677, 721, 761, 951, 971, 1456, 385, 615, 678, 865, 1236, 767, 1787, 1861, 1604, 1229, 749, 3233, 999, 1378, 1374, 1905, 988, 353, 748, 527, 930, 1259, 1172, 2691, 379, 1629, 2729, 320, 1449, 2843, 1392, 716, 1162, 742, 1777, 1800, 995, 1930, 409, 540, 592, 1000, 1210].

**Asymptotically** [2234, 1987, 2203, 1317, 574, 701, 2880, 700, 1058, 1606, 906, 225, 2354, 738, 739, 608, 583, 2828, 2767, 3448].

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701, 3064, 1606, 1849, 906, 3421, 2954]. **EIC** [2031]. **eigenvalue** [172, 3193, 1464]. **Eigenvalues** [2086, 1467, 1644, 1495, 2417]. **eigenvectors** [1495]. **Einstein** [2046]. **EISE** [2475]. **Eisenhart** [279]. **elections** [1026]. **Elementary** [77, 440, 545, 1671]. **elements** [697]. **Elfving** [1856]. **elicitability** [3266]. **elimination** [1385, 1347, 3089, 1472]. **ellipsoid** [1351]. **elliptic** [1541]. **elliptical** [3088, 2486, 1425, 1995, 1734, 2383]. **elliptically** [1488]. **embeddable** [2619]. **Emission** [2163]. **empiric** [657]. **Empirical** [2033, 2963, 2096, 2539, 523, 607, 226, 2608, 3359, 2174, 2308, 2120, 2230, 1962, 1996, 3023, 3333, 2873, 1527, 2475, 2284, 2899, 2249, 2987, 3439, 2641, 1303, 1727, 2930, 2250, 2392, 2788, 2557, 2633, 1654, 1142, 1350, 3162, 1672, 3071, 3230, 1813, 3269, 684, 1144, 2886, 1471, 3082, 483, 536, 1014, 3002, 1624, 2506, 2654, 2789, 1322, 3063, 1702, 703, 2492, 2924, 3090, 1743, 2360, 1469, 3183, 3289, 3288, 909, 2697, 1835, 1995, 2820, 1678, 1528, 3306, 1893, 3077, 3123, 2399, 1514]. **empty** [670, 3122]. **endpoints** [3206]. **energy** [3146]. **enflanking** [724]. **Engen** [2485]. **enhancement** [3171, 3170]. **enough** [3238]. **ensembles** [3344]. **Entropy** [989, 1483, 2267, 419, 1386, 3051, 1763, 2738, 1571, 465, 550, 1180]. **Entry** [2126]. **enumeration** [2361]. **Envelope** [2292, 1949]. **environment** [3410]. **environmental** [1492]. **epidemic** [2718, 191, 264]. **epidemic-type** [2718]. **Equal** [2518, 2902, 639, 365, 1289, 851, 1210]. **Equality** [2124, 3166, 1029, 1004, 1720, 517, 859, 3094, 1806, 525, 1542, 665, 681, 680, 819, 842]. **Equally** [2137, 2262, 1843]. **Equally-Weighted** [2137]. **equation** [2994, 2511, 1061, 578, 3267, 3415, 3418, 1281, 1447, 3086, 3417, 3416, 173, 886, 484, 555, 588, 1060, 3396, 1301, 2927, 3103]. **Equations** [2092, 2178, 107, 1991, 1948, 2890, 868, 1607, 892, 3049, 1189, 67, 2923, 1276, 393, 3189, 1793, 1413, 620, 664, 912, 976, 1097, 1313, 1552, 3299, 182, 2794, 3047, 3153]. **equicorrelated** [539]. **Equilibrium** [2052, 554]. **equiprobable** [1589]. **equireplicated** [1085]. **Equitable** [899]. **Equivalence** [3281, 3374, 2390, 317, 498, 865, 1869, 2812, 1171, 1152, 1365, 1057, 1452]. **Equivariance** [2097, 3014]. **Equivariant** [2240, 2231, 3061, 2471, 872, 573]. **Ergodic** [148, 3360, 3422, 3035, 528, 3290, 2704, 3113, 2720, 3396]. **ergodicity** [2915]. **Erlang** [601, 259]. **Erlangian** [1563]. **Errata** [160, 232, 86, 87, 88, 96, 73, 145, 169, 241, 250, 130, 184, 138, 185, 119, 43, 219, 202]. **Erratum** [2888, 3045, 3121, 2804]. **erroneously** [216]. **Error** [2150, 1412, 2205, 2521, 2058, 2583, 2522, 1641, 1449, 2022, 2030, 2047, 2108, 2520, 2177, 2180, 2181, 3241, 2859, 213, 1203, 123, 3301, 2992, 180, 2791, 1675, 2394, 1444, 113, 3176, 2904, 844, 2559, 2913, 1060, 1737, 899, 1127, 2562, 1263, 2353, 1679, 1695, 1336]. **error-areas** [899]. **error-in-response** [2353]. **Error-in-Variables** [2205, 2181]. **Errors** [2298, 2589, 2320, 3258, 1394, 1619, 2700, 3216, 3374, 2602, 2952, 3395, 3084, 485, 631, 2900, 2698, 934, 117, 3440, 1201, 2415, 2663, 3361, 1879, 2383, 2674, 3025, 3435, 2595, 1765, 2911, 3083, 3426]. **errors-in-covariables** [3025]. **Errors-in-Variables** [2320, 2952, 3084, 2698, 3361, 2595]. **Escort** [3051]. **esophagus** [1792]. **espace** [229]. **Esseen** [3217, 1908, 2054]. **estate** [1919]. **estimable** [1493]. **estimate** [445, 446, 996, 647, 3431, 1264, 1092, 1226, 460, 1044, 625, 957, 956, 46, 1997, 1283, 1655, 828, 257, 895, 83, 3322]. **Estimated** [2186, 2315, 1106, 3379, 2475, 1695]. **Estimates** [2144, 243, 2521, 2279, 2289, 2345, 361, 2105, 2225, 2297, 2263, 2323, 2718, 802, 1192, 1245,



735, 459, 884, 491, 868, 2456, 905, 50, 1078, 423, 1783, 1526, 1101, 1072, 2424, 2621, 2622, 1359, 1193, 1334, 3220, 301, 1877, 1861, 45, 2371, 112, 315, 1537, 3404, 41, 704, 1821, 1042, 1827, 1598, 938, 1965, 1445, 100, 883, 1176, 471, 612, 505, 610, 1001, 1698, 1979, 2502, 204, 2426, 1155, 2985, 1338, 3221].

### **Estimating**

[2295, 2655, 3022, 2046, 2851, 1910, 2223, 2343, 2807, 2798, 2057, 2616, 1645, 2516, 1093, 2690, 1748, 2293, 3231, 1603, 1762, 3108, 2669, 1053, 2296, 2241, 1466, 1800, 2218, 2142, 2935, 1687, 2178, 1860, 1174, 359, 1923, 310, 1774, 1340, 35, 334, 1122, 2603, 1189, 1736, 1934, 1316, 1499, 1649, 731, 1498, 1492, 850, 278, 1644, 2881, 1960, 2667, 1056, 3189, 1381, 620, 371, 1819, 2997, 513, 3299, 1091, 3331, 2927, 3047, 3153, 3420].

### **Estimation**

[1658, 2238, 1299, 1525, 2561, 2325, 2533, 2234, 49, 2221, 2107, 2341, 1802, 411, 2627, 3028, 2190, 2301, 2936, 332, 2944, 3307, 216, 2992, 2235, 2479, 2784, 1530, 1403, 1759, 960, 2517, 3260, 1688, 575, 2117, 2115, 2220, 3292, 1831, 2139, 2119, 2501, 2582, 2734, 948, 925, 2199, 2189, 2488, 2084, 2342, 2245, 1225, 1158, 1571, 2982, 311, 3118, 2340, 1689, 2006, 2904, 1880, 2532, 2086, 2268, 2280, 3041, 3414, 1585, 2045, 2202, 2774, 646, 90, 2064, 503, 2008, 3376, 894, 1136, 2559, 2085, 2100, 2284, 2266, 1995, 2106, 663, 2017, 403, 2105, 2417, 2118, 2862, 2224, 1727, 1284, 1775].

### **Estimation**

[2491, 2580, 2876, 3449, 2232, 611, 1664, 1947, 1850, 2034, 2265, 1583, 2025, 2098, 2353, 60, 1895, 1330, 687, 2176, 2344, 3253, 3030, 2320, 2267, 2181, 2831, 2269, 299, 1668, 3255, 3258, 1036, 1081, 1082, 1130, 1181, 1154, 1574, 1356, 1556, 276, 277, 377, 473, 556, 591, 1104, 1958, 1380, 1937, 1755, 1577, 2739, 586, 1909, 2821, 3054, 1650, 3366, 1878, 2352, 3180, 2645, 3177, 2683, 1684, 2869, 3388, 3174, 1829, 1484, 532, 1894, 3087, 785, 2842, 847, 2490, 2679, 1249, 2355, 1405, 1515,

1194, 2996, 3130, 2792, 2481, 2416, 3152, 437, 3216, 637, 1833, 1601, 419, 3092, 3264].

### **estimation**

[1319, 1274, 3316, 2451, 2413, 3247, 3110, 2829, 2664, 1467, 3017, 2379, 1416, 1726, 2602, 2725, 3036, 3165, 1379, 1177, 3338, 1848, 2973, 3270, 2809, 2856, 2925, 2666, 1799, 2369, 3317, 1290, 1243, 3050, 3293, 3012, 3383, 3196, 1926, 1779, 1763, 1975, 1977, 1516, 755, 3327, 386, 2400, 252, 2680, 2763, 3283, 1582, 2815, 2850, 303, 661, 1190, 1586, 1218, 1296, 1627, 1832, 913, 1611, 2448, 1951, 660, 1865, 1801, 3295, 2405, 1996, 1657, 263, 3276, 1248, 1665, 3149, 3231, 2766, 3235, 3358, 1981, 1497, 3408, 1683, 1834, 2879, 1820, 1317, 1255, 3203, 3008, 3086, 3368, 3394, 3024, 703, 1863].

**estimation** [2640, 3078, 3125, 3345, 1527, 2544, 2988, 3062, 3405, 1764, 1558, 2472, 64, 790, 1925, 2836, 701, 1864, 3172, 3207, 1079, 2642, 1157, 2972, 2625, 630, 969, 1027, 1112, 1173, 909, 1562, 236, 3246, 1025, 1032, 398, 3334, 1244, 1866, 3101, 3072, 1712, 289, 705, 994, 1285, 753, 520, 506, 3055, 752, 1580, 1629, 2729, 849, 312, 780, 734, 1303, 848, 1335, 238, 2505, 664, 912, 1242, 1446, 1994, 1879, 2804, 2803, 2649, 2885, 3006, 3219, 789, 342, 975, 1176, 162, 245, 539, 613, 3297, 741, 2977, 2997, 1694, 891, 1424, 2540, 1127, 1353, 2383, 3004, 3244, 2733, 1113, 2953, 1735].

**estimation** [1716, 1170, 1419, 1912, 609, 572, 614, 648, 655, 656, 142, 737, 1528, 2657, 2662, 2855, 3136, 3409, 1369, 1893, 1978, 1966, 3399, 2736, 1103, 1148, 1614, 3443, 3442, 1557, 3323, 2595, 1765, 2617, 3085, 2929, 3426, 2703, 3241, 2613, 2728, 1946].

**estimations** [3218, 1095]. **Estimative**

[2159]. **Estimator**

[2061, 2018, 2534, 2266, 2177, 2600, 1076, 3365, 2955, 1051, 3212, 772, 1357, 3184, 846, 1799, 1750, 2394, 1767, 2452, 1429, 3425, 2630, 1227, 769, 3340, 390, 1404, 1271, 731, 767, 1784, 3002, 1604, 816, 1354, 2847, 410, 2375, 2872, 424, 2995, 1500, 1447, 3061, 1560, 1685, 2495, 2910, 2785, 3135, 3060, 3351,



2801, 2471, 2473, 2626, 1697, 1224, 1333, 1766, 1625, 1674, 1057, 1077, 2987, 585, 1546, 621, 320, 3127, 1737, 341, 2940, 383, 1028, 1800, 1050, 1718, 3217, 3200, 1849, 1862, 2418, 1908, 1286, 1828, 1597, 1749, 2903, 1188, 1210].

**Estimators**  
[2166, 2146, 2343, 522, 606, 2179, 2165, 2095, 2231, 2526, 2583, 2246, 2082, 2201, 2233, 2164, 2852, 2247, 2324, 2590, 882, 1017, 1156, 1352, 1448, 1402, 1482, 1646, 1203, 2515, 2730, 1945, 1002, 2354, 1145, 2483, 3360, 1804, 3319, 970, 1623, 1807, 2765, 813, 768, 3424, 122, 1306, 2404, 1976, 1382, 2390, 3205, 3084, 1545, 1360, 3046, 571, 1318, 1498, 1626, 1656, 1339, 3176, 424, 1196, 915, 866, 1555, 1153, 1187, 2482, 2425, 1685, 3261, 1191, 2812, 1743, 2586, 736, 3204, 1337, 3233, 2468, 1241, 3290, 955, 2444, 894, 988, 3281, 2771, 2758, 933, 3098, 1818, 2357, 3329].

**estimators** [373, 405, 1128, 1024, 1395, 720, 1717, 1129, 872, 2691, 1573, 1733, 1381, 1746, 621, 2457, 2830, 1911, 1936, 1572, 1097, 1775, 2554, 2804, 2803, 1483, 1734, 1930, 2759, 1602, 1209, 2724, 2824, 788, 2459, 1715, 1066, 3208, 904, 442, 592, 3336, 1643, 906, 1908, 1282, 1517, 2604, 573, 1336, 3429, 1000].

**Euclidean** [2428]. **Eulerian** [1647, 1492].

**evaluation** [123, 183, 3419, 385, 844].

**evaluations** [199]. **even** [933]. **event** [658, 1741, 2416, 3437, 176]. **events** [2668, 2974, 3099]. **everywhere** [1655].

**Evidence** [2716, 1301]. **Ewens** [2321, 2984].

**Exact**  
[2523, 2564, 2671, 2407, 2373, 3021, 3381, 1921, 2332, 2894, 2607, 2670, 2368, 2050, 1020, 2276, 794, 1713, 1754, 3387, 196, 3169, 478, 756, 652, 3089, 579, 679, 775, 1031, 1256, 1298, 1110, 1867, 1972, 1570, 1167, 457, 2824, 1210].

**examination** [226]. **example**  
[1900, 2725, 424, 381]. **Examples**  
[2336, 1190, 1170, 1419]. **Exceedance**  
[2088, 2887]. **exceedances** [1794, 379].

**Exceeding** [2173]. **exchange** [2381].

**exchangeable** [2865, 3080]. **exciting**  
[3146, 3261, 1025]. **exhibiting** [1563].

**Existence** [1021, 2144, 2336, 1283, 373, 3395, 424, 374, 435, 1821, 622, 886, 946, 904].

**Expansion** [2150, 2596, 2270, 1016, 2796, 807, 1799, 2951, 952, 3182, 761, 951, 971, 1456, 953, 2801, 999, 1771, 2393, 2445, 2691, 2729, 1449, 666, 954, 3336, 1000, 1210].

**Expansions**  
[1723, 2014, 2022, 2286, 2113, 1719, 1208, 2699, 2356, 939, 1481, 667, 808, 1412, 1305, 940, 1877, 1787, 1786, 1480, 1838, 1697, 1980, 762, 1378, 2708, 1876, 2443, 1798, 2767].

**Expectation** [3047, 1261, 1262, 1327, 1325, 685, 2454, 1269, 3008, 1849, 3039].

**expectation-based** [3008].

**Expectation-robust** [3047]. **Expectations**  
[2041, 2050, 2315, 1433, 1481, 1956, 1512, 1985, 3291]. **Expected**  
[2112, 3075, 1706, 832, 1876, 3447].

**expected/observed** [1876]. **expectile**  
[3342, 3286, 3191]. **expectiles** [1916].

**Experiment** [2214]. **experimental**  
[2745, 1744, 1506, 385, 2931, 1518, 1252].

**Experiments**  
[2197, 2040, 810, 2614, 3180, 1728, 1100, 654, 248, 3156, 745, 1422, 527, 822, 597, 771, 176].

**explanatory** [3281, 1329, 1420]. **Explicit**  
[2771, 975, 3285]. **explosive**  
[788, 1132, 1263]. **Exponent** [2023, 3118].

**Exponential**  
[2079, 2188, 2569, 2319, 2235, 2537, 2186, 2016, 2237, 2171, 2285, 2266, 2864, 2071, 1998, 981, 1005, 1094, 1021, 1402, 3052, 1208, 2573, 2671, 2695, 1272, 3441, 1538, 3201, 369, 1836, 1829, 1855, 1433, 2627, 2373, 1408, 992, 495, 1417, 1386, 1416, 1270, 1379, 122, 1510, 1243, 3192, 1126, 1516, 1254, 2386, 1584, 2631, 1832, 1043, 3169, 418, 1996, 1657, 801, 1217, 534, 1949, 1322, 1880, 269, 1049, 1585, 790, 3440, 1337, 1864, 20, 1224, 1478, 1042, 1986, 236, 3093, 1125, 732, 415, 1047, 1040, 1060, 1137, 270, 789, 3392, 1912, 1528, 3411, 1830].

**exponential-type** [1386]. **exponentiality**  
[1672]. **exponentially** [2463]. **exposure**



[1496]. **expression** [1038]. **expressions** [1754, 833]. **Extended** [3005, 2795, 2485, 3086, 1027, 1891]. **Extending** [2939, 2572, 1055, 1135]. **Extension** [1051, 2031, 954, 2932, 935, 1003, 1159, 1320, 2872, 1822, 364, 461]. **Extensions** [1276, 2989, 1778, 70, 1410, 760, 707, 794]. **extentions** [728, 747]. **extra** [1708]. **extraction** [2919]. **extraneous** [342]. **Extrapolating** [2578]. **Extrapolation** [2196, 336, 349]. **extrema** [235]. **extremal** [339, 1312]. **Extreme** [2529, 2252, 3080, 2045, 2118, 268, 1403, 1368, 1938, 3260, 1260, 1237, 869, 1277, 217, 187, 1452]. **Extreme-Value** [2252]. **Extremes** [2121, 3398, 368, 1955]. **eye** [2636].

**Factor** [2140, 2207, 3352, 1632, 2750, 2888, 2841, 1354, 3313, 1927, 1437, 1708]. **Factorial** [2550, 2549, 1375, 810, 2746, 2790, 777, 708, 1376, 1453, 900, 1472, 3064, 836, 624, 711, 597, 862, 1018, 1361, 1708, 400, 3007, 837, 3020]. **factorials** [838, 1632, 604, 584]. **factorization** [973]. **Factors** [2048, 2313, 636, 193, 946, 995]. **fading** [2380]. **faible** [229]. **Failure** [1564, 2048, 2228, 2093, 1999, 1909, 1983, 1417, 1729, 3076, 2811, 3414, 2632, 3073, 3067]. **Failures** [2036, 2167, 2255, 1841, 1907, 3058, 2419]. **Falls** [2185]. **familial** [1196, 1618]. **Families** [2186, 725, 2323, 2978, 1433, 992, 1379, 1243, 3192, 1033, 1584, 3169, 1996, 1949, 1986, 1165, 1528]. **Family** [2244, 2339, 2316, 2124, 2071, 2932, 1448, 1970, 2891, 3052, 1208, 1272, 1855, 1270, 2738, 2806, 801, 3223, 790, 1224, 468, 969, 1027, 1112, 1173, 3016, 3093, 732, 1123, 1727, 789, 3392, 2372, 1830]. **Farlie** [1410]. **Fast** [3323, 2692]. **Faster** [3089]. **Fay** [2826]. **feasibility** [1665]. **feasible** [3347]. **feature** [3212, 3040, 3142, 3005, 3453, 3312, 3380, 3372, 3343]. **Featured** [2648]. **Fechner** [798]. **feedback** [504, 1576]. **Fenchel** [2032]. **few** [775, 737]. **Fibers** [3018]. **Fibonacci** [2780]. **field** [2770, 1787, 1665, 2979, 2752, 1597, 3448]. **Fields** [2279, 2592, 2026, 3427, 2629, 2942, 864, 2943, 936, 1388]. **Fieller** [70]. **filling** [3114]. **filter** [490, 1760, 1872, 2968, 3450]. **Filtering** [2215, 2218, 2951, 2971]. **Filters** [2220, 3304, 3246]. **finance** [3444]. **Finding** [2715]. **finely** [1006]. **Finite** [2325, 2057, 2258, 529, 2026, 1933, 2059, 2557, 1477, 1482, 1356, 1115, 1610, 2589, 2778, 522, 606, 2602, 3338, 3211, 1316, 2501, 2923, 1014, 3023, 915, 530, 1146, 3329, 3093, 1395, 621, 3392, 356, 505, 610, 2463, 3151, 1209]. **finite-sample** [1395]. **finitely** [3325, 306]. **Finiteness** [2750]. **First** [2599, 2126, 2036, 2041, 2067, 299, 1841, 1907, 2612, 35, 1264, 3260, 1560, 403, 1205]. **first-passage** [2612]. **Fisher** [2326, 2948, 1566, 28, 1870, 2575, 2434, 1220, 1521, 3115, 2069, 809, 2038, 3103, 2810]. **Fisher-scoring** [3103]. **Fit** [2110, 2174, 2308, 2252, 2271, 2237, 2315, 1575, 3119, 595, 782, 691, 3238, 974, 2070, 3037, 3413, 2894, 3107, 3275, 1589, 158, 770, 1389, 389, 598, 1805, 3181, 2475, 2360, 2817, 2704, 2782, 1259, 1928, 2406, 3412, 409, 458, 1559]. **fits** [2477]. **Fitting** [538, 2298, 2578, 2043, 2581, 2147, 1098, 2098, 556, 643, 674, 996, 113, 957, 956, 934, 288]. **five** [2612]. **Fixed** [2256, 3145, 3284, 532, 1705, 2016, 3358, 2010, 2047, 2034, 2062, 2624, 3054, 3119, 3373, 2440, 3126, 3445, 526, 1355, 311, 3235, 2425, 1980, 3361, 156]. **fixed-accuracy** [3054]. **fixed-cycle** [156]. **fixed-margin** [3445]. **Fixed-Width** [2016, 2062, 3145, 1705, 1355, 1980]. **flanking** [632, 724, 961]. **flat** [2683]. **flat-top** [2683]. **Flats** [2161]. **flattening** [2842]. **Flexible** [3382, 3279, 3156, 2522, 2850]. **floating** [1322]. **fluctuations** [139, 1690]. **fluid** [1758]. **Fold** [3129]. **Fold-up** [3129]. **folding** [1045, 1023]. **follow** [1733]. **follow-up**



- [1733]. **footrule** [2508]. **forcing** [2653].  
**Forecasting** [2401, 2919, 3226, 2653, 3225, 85, 2864, 3224, 3227, 1679]. **forecasts** [3419, 1859, 1906, 2716]. **foreign** [2381].  
**foreshocks** [1676]. **forest** [347, 98]. **form** [1035, 2765, 2701, 2496, 412, 694, 721, 761, 1699]. **Forms** [2790, 2040, 1238, 2730, 1948, 3037, 2486, 1260, 1480, 1239, 1348, 1435, 1753, 1141, 3, 1972, 1074]. **Formula** [2321, 6, 12, 577, 385, 1872, 929, 959, 2984].  
**Formulae** [2011, 1948]. **formulas** [1917, 763, 834, 368, 2445, 742, 791].  
**formulation** [1504, 315]. **Forward** [3391, 3287]. **four** [2790, 1054, 1020, 403, 963]. **four-word** [2790]. **Fourier** [2065, 2665, 1334, 3038, 7, 13]. **fourth** [1971]. **FPE** [1169, 1387]. **fraction** [1700].  
**Fractional** [2313, 2746, 777, 3124, 2995, 1376, 1453, 776, 836, 862, 1018, 1361, 837, 3020].  
**fractionally** [2605]. **fractions** [3064, 400].  
**fragility** [2887]. **fragmentary** [1428].  
**Fragments** [6, 12]. **Frailty** [2312, 3201, 2883, 2986, 3318]. **framework** [3352, 3175, 1524, 3351, 1642, 2885, 3399].  
**fraud** [3369]. **Fréchet** [3133]. **free** [803, 475, 714, 486, 901, 135, 346, 3321, 3142, 2880, 3453, 2650, 927, 3421, 3343].  
**Freedman** [2717]. **freedom** [244, 4, 3112].  
**French** [229, 222, 304, 338, 352].  
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[1230, 1284, 1168, 1446, 1162, 2554, 2491, 2876, 3006, 197, 285, 1664, 741, 1099, 2759, 1698, 1424, 1850, 1470, 1718, 521, 788, 1132, 1263, 1716, 794, 3217, 1893, 2674, 1952, 3215, 3320, 3369, 2958, 1796, 1282, 1687, 1913, 3435, 2838, 3372, 3343, 2954, 3073, 3111, 3153, 2929, 3067, 1695, 3241, 1897, 3436].

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**Negative-Binomial** [2008]. **neighborhood** [3198]. **Neighbourhoods** [2038]. **Nested** [2579, 2140, 2118, 1940, 1989]. **Network** [2521, 3021, 3431, 3107, 3390, 3369, 3323].

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**neuroblastoma** [3318]. **neurodynamics** [1460]. **never** [324]. **news** [3254]. **Newton** [1746, 1313]. **Neyman** [2817, 449, 748, 2697, 92, 2977]. **No** [249, 1845, 3285, 2424, 1768]. **no-signal** [2424]. **node** [3390]. **Noise**



[2336, 2591, 3095, 3271, 2890, 3307, 2766, 3308, 3290, 3101]. **noisy** [2694]. **Non** [854, 2339, 2504, 2221, 487, 2107, 2341, 2328, 2596, 516, 2215, 424, 2051, 680, 842, 2743, 2291, 2050, 2262, 546, 2527, 2219, 2177, 3429, 1200, 2948, 1156, 1646, 1970, 2891, 417, 2800, 2746, 519, 1543, 1707, 101, 2615, 489, 2700, 807, 1274, 3247, 3403, 1645, 2401, 667, 808, 834, 2454, 676, 2738, 2806, 1837, 208, 205, 645, 2982, 2570, 756, 997, 298, 1805, 1714, 3104, 3035, 679, 1925, 819, 671, 909, 748, 3334, 1110, 2605, 622, 548, 584, 1479, 287, 379, 2843, 742, 954, 991, 3004, 3185, 932, 182, 3443, 3442, 2831, 1830, 1860]. **non-additive** [932]. **non-adjacent** [2454]. **non-Bayesian** [1805]. **Non-central** [516, 546, 101, 676, 679]. **non-centrality** [298]. **non-compactly** [3403]. **non-concave** [3185]. **Non-Equally** [2262]. **non-ergodic** [3035]. **Non-existence** [424, 622]. **Non-Gaussian** [2215, 2700, 2570, 3334]. **non-homogeneous** [2831]. **non-i.i.d** [1274]. **non-I.I.D.** [1645]. **non-identical** [1707, 909]. **Non-Identically** [2328, 1543, 1479]. **non-identifiability** [1200]. **non-identifiable** [3443]. **non-independent** [1707]. **non-invertible** [2605]. **Non-Iterative** [2341]. **non-linear** [489, 932, 1860]. **non-minimum** [1714]. **non-monotonic** [1925]. **Non-Negative** [2050, 205, 2982]. **non-normal** [2615, 671]. **Non-normality** [487, 2596, 2948]. **Non-null** [680, 842, 519, 807, 667, 808, 834, 756, 819, 748, 1110, 742]. **non-oblique** [1837]. **non-orthogonal** [548, 584]. **Non-parametric** [854, 2107, 3429, 208, 3104, 287, 379, 991]. **non-quadratic** [2800]. **non-recurrent** [2843]. **Non-Regular** [2339, 1156, 1646, 1970, 2891, 2746, 2738, 2806, 645, 954]. **non-restricted** [3004]. **Non-simple** [2527]. **non-smooth** [3247]. **Non-Spherical** [2177]. **Non-standard** [2504, 3442]. **Non-Stationary** [2291, 2401, 997, 182]. **non-steep** [1830]. **Non-very** [2743]. **Nonasymptotic** [2521]. **nonbinomial** [1164]. **noncentral** [1107, 366, 2744, 999, 1972, 2417, 666]. **noncentrality** [2417]. **Nonconservative** [2142]. **nondifferentiable** [1607, 2874]. **Nonexistence** [1042, 2074, 1068]. **noninformative** [1221]. **nonignorable** [3302, 3376, 3306]. **Noninformative** [2300]. **Nonlinear** [2676, 2552, 2223, 2197, 2895, 2035, 2215, 2583, 2147, 2499, 2133, 2296, 2219, 2109, 2297, 2071, 2176, 1668, 2355, 1607, 2807, 2479, 3415, 3418, 2872, 3213, 3029, 1435, 3417, 3416, 3246, 886, 1313, 2930, 2426, 2657, 3435, 3451, 1711]. **nonminimaxity** [1404]. **Nonnegative** [2155, 3441, 1278]. **nonnormal** [1203]. **nonnormality** [2708]. **Nonparametric** [3255, 1081, 1082, 1154, 3363, 2579, 2643, 1015, 2341, 3087, 3379, 1428, 637, 2451, 2283, 3263, 3403, 3257, 2274, 3326, 689, 2380, 1779, 1968, 2582, 2290, 2199, 2189, 2414, 2680, 2763, 2900, 1627, 1587, 3295, 3149, 2006, 2905, 2264, 2536, 2754, 2534, 2204, 2415, 1244, 1866, 1179, 520, 597, 2755, 2830, 1847, 2034, 2265, 142, 204, 215, 737, 1513, 3025, 2200, 2728, 2693, 1130, 1438, 1824, 1755, 1577, 2777, 3177, 3280, 2869, 2756, 3328, 2679, 3188, 1845, 2700, 1319, 2441, 2664, 2701, 2886, 3011, 3374, 2602, 3036, 2856, 2884, 1290, 738, 739, 467, 871, 2757, 2734, 2398, 2384, 1537]. **nonparametric** [3168, 1993, 1439, 2970, 2670, 2947, 3042, 2987, 1395, 1641, 1502, 422, 463, 547, 596, 1445, 2804, 2803, 2940, 612, 165, 189, 3217, 3134, 2961, 3426, 3451]. **Nonparametrics** [2105]. **nonrandomly** [3394]. **Nonregular** [2014, 1352, 1370, 969, 1027, 1112]. **nonresponse** [3302, 3376]. **nonstandard** [2605, 1895]. **Nonstationarity** [2589]. **Nonstationary** [2160, 3362, 3235, 2384, 1418, 1816]. **nonsynchronously** [2630]. **norm** [1575, 3337, 3181, 798, 2685]. **Normal**



[330, 2043, 2020, 2150, 2139, 2245, 2237, 2087, 2051, 2254, 2121, 2047, 1761, 2040, 2747, 2580, 2109, 2113, 2344, 2267, 200, 1140, 1556, 421, 581, 735, 459, 973, 106, 1394, 857, 1450, 2354, 404, 2615, 3028, 1515, 1340, 1344, 423, 1833, 35, 495, 3037, 667, 1976, 1767, 2429, 2431, 633, 755, 1545, 412, 694, 721, 761, 769, 1673, 3347, 209, 1404, 1271, 3002, 198, 311, 2687, 376, 516, 616, 1339, 1202, 1480, 1689, 1820, 1700, 1191, 2472, 1435, 1753, 844, 1548, 3033, 31, 48, 1079, 1095, 671, 1241, 1333, 448, 744, 843, 942, 2432, 1045, 1023, 1441, 3, 1211, 2771]. **normal** [3056, 283, 563, 1625, 820, 599, 2828, 452, 1972, 3209, 1717, 1138, 990, 1213, 2363, 600, 663, 1768, 403, 256, 293, 1449, 1544, 1911, 141, 291, 841, 83, 187, 340, 582, 881, 464, 715, 341, 1168, 899, 2491, 3006, 975, 1176, 356, 1583, 1716, 2767, 2474, 1830]. **normalised** [3132]. **Normality** [2116, 2165, 2246, 2045, 2586, 2948, 672, 487, 918, 1416, 1523, 1969, 1929, 1092, 1977, 2596, 670, 6, 12, 2630, 3267, 678, 1236, 1199, 1532, 1861, 2847, 866, 1389, 749, 1905, 1551, 828, 1302, 2843, 1777, 132, 159]. **Normalized** [2286]. **Normalizing** [1425, 1304, 1533, 3182, 1771, 2406, 1930]. **normally** [68]. **Norms** [2192]. **Note** [406, 272, 586, 28, 101, 717, 2018, 721, 153, 453, 136, 128, 743, 113, 150, 661, 164, 796, 840, 876, 1250, 2536, 2, 47, 91, 32, 2009, 874, 391, 2191, 862, 163, 92, 129, 179, 983, 380, 65, 181, 124, 710, 1130, 709, 21, 1953, 887, 519, 1384, 1440, 404, 1894, 691, 692, 549, 1072, 984, 1523, 1193, 856, 316, 901, 494, 673, 670, 1227, 982, 209, 274, 248, 1787, 1043, 816, 263, 376, 428, 401, 478, 1237, 1644, 534, 567, 1289, 469, 1691, 1441, 1703, 283, 509, 1024, 863, 2363, 320, 282, 841, 238, 356, 613, 1819]. **note** [1119, 815, 1431, 2576]. **Notes** [502, 2667, 214]. **Notice** [201]. **Notion** [2287, 961, 441, 1421]. **novel** [3444]. **Nuisance** [2178, 3258, 1870, 1651, 1762, 1703, 2443]. **Null** [2589, 1590, 2596, 2140, 519, 807, 667, 808, 834, 856, 756, 680, 819, 842, 449, 748, 1110, 742]. **null-distribution** [449]. **null-hypothesis** [449, 748]. **Number** [2053, 2332, 2111, 3099, 2090, 2408, 1650, 414, 2837, 3373, 3335, 1722, 1921, 670, 1316, 2501, 1236, 137, 979, 255, 889, 919, 2972, 3194, 930, 624, 711, 379, 1387, 2984, 2752, 56, 325, 3390, 3412, 324, 540, 2935, 1235, 3310]. **Numbers** [2210, 2256, 2036, 2255, 2598, 2067, 2286, 1841, 1907, 382, 639, 2484, 1492, 2653, 990, 1233, 1511]. **Numerical** [693, 729, 512, 1991, 108, 393, 134, 181]. **numerische** [393]. **Objective** [2920, 2958, 924, 1609, 456, 436]. **objects** [1423]. **oblique** [1837]. **Observation** [2135, 299, 21, 3319, 3287, 1738, 112, 2754, 1201, 702, 754]. **Observations** [2195, 2270, 2173, 1668, 1556, 1104, 823, 3280, 144, 3230, 1713, 1917, 1274, 396, 1506, 1935, 660, 278, 525, 2785, 942, 2782, 936, 3329, 1285, 1098, 1168, 416, 455, 2720, 189, 543, 324, 906]. **observe** [324]. **observed** [3271, 3022, 2829, 2630, 311, 2918, 1876, 3386, 2862, 2843, 2381, 2903]. **Observing** [2167]. **obstructive** [1421]. **obtained** [996, 2656, 345, 453, 481, 957, 956, 255]. **OC** [577, 1256]. **occasions** [1279]. **Occupancy** [1462, 639, 670]. **occurrence** [2718, 1496, 2668, 1231, 1730, 2620]. **occurrence/exposure** [1496]. **Occurrences** [2077, 2276, 2090]. **occurring** [1795]. **Odds** [2289, 2229, 2986, 2815, 2636, 2457]. **Oil** [2130]. **oki** [1676]. **old** [3138]. **Olkin** [1436]. **omnibus** [3037]. **One** [2135, 2019, 2596, 2526, 2268, 2945, 2409, 2023, 2157, 1746, 1770, 299, 1448, 133, 3365, 3330, 857, 1855, 1632, 2673, 691, 1939, 135, 198, 1604, 1454, 530, 1531, 1685, 3440, 3172, 1224, 969, 1112, 2368, 626, 640, 2993, 447, 548, 585, 422, 1708, 566, 2637, 1168, 1065, 975, 2814, 794, 1212, 1812, 2935, 713]. **One-**



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[2061, 2578, 2203, 2146, 2303, 2337, 3264, 2110, 2283, 2349, 2537, 1503, 2216, 2007, 2163, 2591, 2541, 3065, 2581, 3196, 2521, 755, 2582, 263, 2345, 2264, 2147, 2536, 2534, 2085, 2133, 2262, 2522, 3392, 2225, 2034, 2265, 2098, 2297, 2263, 2177, 2535, 2556, 2693, 3342, 802, 854, 2702, 1755, 2800, 2699, 1953, 1950, 3160, 3423, 3280, 125, 144, 1814, 2822, 2665, 3174, 1713, 3066, 1709, 2615, 1802, 3236, 489, 1216, 3328, 2679, 1915, 2512, 1405, 1813, 1845, 3229, 1078, 1257, 3152, 2700, 3243, 2807, 2440, 1547, 2441, 2370, 2351, 2829, 1856, 2603, 2664, 2701, 2784, 2886, 3011].

**regression**

[3314, 3285, 3374, 3364, 3017, 3403, 2602, 3262, 1177, 2389, 2791, 2835, 1750, 2965, 1290, 3326, 893, 1226, 1334, 3084, 3221, 3220, 1444, 365, 1968, 2734, 2414, 2900, 3391, 3147, 2398, 46, 1355, 1627, 3286, 1951, 3249, 3348, 855, 311, 1175, 1961, 3256, 3321, 2371, 2766, 1683, 3061, 1569, 2425, 2904, 2959, 2764, 2882, 3368, 3191, 3078, 3345, 3009, 1764, 1558, 644, 90, 3033, 3183, 3274, 2625, 894, 2499, 3281, 3010, 2758, 2947, 1655, 3334, 2415, 2663, 3042, 3361, 2393, 1518, 1712, 2893, 3309, 1395, 1965, 1641, 1329, 1420, 1413, 2363, 36, 585, 600, 2938, 1247, 1387, 3127, 780, 1303].

**regression**

[1445, 238, 1761, 620, 700, 976, 1058, 1879, 3219, 3332, 3449, 342, 505, 610, 741, 2930, 3151, 2759, 1847, 3385, 3384, 3375, 2502, 1680, 2426, 3217, 3299, 1846, 1893, 2674, 1902, 1966, 1232, 2736, 3421, 2961, 2797, 3435, 3400, 1765, 3085, 2633, 2844, 2954, 3111, 3234, 2929, 3426, 3451, 3079, 1711].

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**regression-type** [1965]. **Regression**

[2024]. **Regressions** [2465, 3003, 816, 3134].

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**reinforcement-depletion** [1367].

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**Uhlenbeck** [3163, 2843, 2903]. **ultra** [3212, 3391, 3200]. **ultra-high** [3391, 3200]. **ultra-high-dimensional** [3212]. **ultrahigh** [3142, 3453]. **ultrahigh-dimensional** [3142]. **Umbrella** [2272]. **UMPS** [3428]. **UMVUE** [1584]. **unavailable** [1738]. **Unbalanced** [2113, 1940, 1213]. **Unbiased** [2295, 1783, 460, 1153, 1187, 1335, 2518, 1352, 1448, 1900, 847, 647, 2404, 559, 1681, 424, 1317, 2468, 398, 405, 1128, 312, 848, 1242, 381, 471, 609, 572, 614]. **Unbiasedness** [2206]. **unbounded** [3207, 1889, 2993, 2864]. **Uncatchable** [2600]. **Uncertainty** [2575, 2092, 3226, 3292, 3225, 3224, 3227]. **uncombined** [1500]. **unconditional** [1539]. **Undamped** [262]. **Underdispersion** [2089]. **underlying** [1034]. **undirected** [2908]. **undominated** [1165]. **Unequal** [2080, 247, 3094, 1660, 525, 1432, 1730, 257, 313, 1780]. **Unequally** [2121]. **unidimensional** [227]. **unification** [1956]. **Unified** [2932, 2325, 2197, 3207, 1461, 1941, 3116, 1463, 927, 2885, 3399]. **Uniform** [2244, 2328, 2013, 1236, 749, 1152, 2270, 2758, 2824, 1299, 3071, 1078, 419, 1163, 2421, 1722, 1368, 1523, 2965, 564, 678, 865, 1237, 2646, 3181, 1298, 1365, 1045, 1023, 820, 1570, 2403, 1215, 2463, 945, 1001, 3367]. **Uniformity** [2281, 2236, 571, 3339]. **Uniformly** [2156, 2698, 1703, 281]. **unilateral** [448]. **Unimodal** [2105, 3258, 2673, 3102, 164, 1434]. **Unimodality** [2421, 2388, 879, 1288, 1811, 1511, 1772]. **union** [2435]. **unionintersection** [800]. **Unique** [973]. **uniqueness** [495, 2999, 3115, 2786]. **Unit** [2160, 2041, 2058, 2063, 3216]. **Units** [2167, 690, 1252]. **unity** [3405]. **Univariate** [2561, 1658, 3382, 3284, 1833, 3250, 1389, 2636, 663, 657, 1232, 1407]. **Universal** [2345, 2459, 2263, 3431, 3221, 3220, 3322, 2502, 2749]. **Universally** [2460]. **universe** [915]. **Unknown** [476, 3258, 3269, 2765, 2496, 792, 3254, 1254, 2982, 2687, 45, 690, 1191, 1585, 1201, 870, 1708, 896, 341, 1734]. **unobserved** [1623, 1807]. **Unordered** [2497]. **unrelated** [816, 1175, 3061, 620, 976]. **Unrestricted** [2343]. **unsaturated** [548]. **unscented** [2941]. **unstable** [1359]. **Unstructured** [2208, 1898]. **Until** [2210, 2036, 2067, 1841, 1907]. **untruncated** [1996]. **upon** [2167, 517, 524]. **Upper** [1750, 1166, 112, 3096, 1811, 283]. **Urakawa** [1676]. **Urakawa-oki** [1676]. **Urn** [2327, 2052, 1367, 1143, 2466, 3190, 1957, 2795, 1796, 1941]. **Usage** [2543, 3340, 1398]. **Use** [2079, 2536, 2214, 417, 473, 504, 924, 1090, 126, 633, 774, 1178, 1760, 282, 342, 923]. **used** [1261, 1262, 1327, 1325, 1310]. **useful** [636, 2642, 722, 791]. **uses** [764]. **Using** [2190, 2299, 2057, 2220, 2342, 2140, 2170, 2048, 2300, 2292, 2219, 2159, 3436, 2718, 1130, 1477, 1937, 2402, 2922, 3054, 1267, 1268, 2842, 2481, 637, 2370, 1725, 1101, 2479,



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[1149, 1202]. **zur** [393]. **Zyoiti** [570].

## References

Kunisawa:1949:AMT

- [1] K. Kunisawa. On an analytical method in the theory of independent random variables. *Annals of the Institute of Statistical Mathematics*, 1(1):1–77, March 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF03029242>.

Matusita:1949:NIC

- [2] Kameo Matusita. Note on the independence of certain statistics. *Annals of the Institute of Statistical Mathematics*, 1(1):79–82, March 1949. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF03029243>.

**Ogawa:1949:IBQ**

- [3] Junjiro Ogawa. On the independence of bilinear and quadratic forms of a random sample from a normal population. *Annals of the Institute of Statistical Mathematics*, 1(1):83–108, March 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF03029244>.

**Sakamoto:1949:CID**

- [4] Heihachi Sakamoto. On the criteria of the independence and the degrees of freedom of statistics and their applications to the analysis of variance. *Annals of the Institute of Statistical Mathematics*, 1(1):109–122, March 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF03029245>.

**Midzuno:1949:SMU**

- [5] Hiroshi Midzuno. A survey method using two kinds of surveys. *Annals of the Institute of Statistical Mathematics*, 1(1):123–124, March 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF03029246>.

**Hayashi:1949:FNTa**

- [6] Chikio Hayashi. Fragments of a new test formula of normality. *Annals of the Institute of Statistical Mathematics*, 1(1):125–130, March 1949. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF03029247>.

**Kawata:1949:RFFa**

- [7] Tatsuo Kawata. Representation of a function by the Fourier–Stieltjes integral. *Annals of the Institute of Statistical Mathematics*, 1(1):131–139, March 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF03029248>.

**Matusita:1949:RWTa**

- [8] Kameo Matusita. A remark to the Wald’s theory of statistical inference. *Annals of the Institute of Statistical Mathematics*, 1(1):141–148, March 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF03029249>.

**Midzuno:1949:OTSa**

- [9] Hiroshi Midzuno. An outline of the theory of sampling systems. *Annals of the Institute of Statistical Mathematics*, 1(1):149–156, March 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF03029250>.

**Ugaheri:1949:LDa**

- [10] Tadashi Ugaheri. On a limit distribution. *Annals of the Institute of Statistical Mathematics*, 1(1):157–160, March 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF03029251>.



**Anonymous:1949:HCa**

- [11] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 1(1):??, March 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hayashi:1949:FNTb**

- [12] Chikio Hayashi. Fragments of a new test formula of normality. *Annals of the Institute of Statistical Mathematics*, 1(2):125–130, September 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02974852>.

**Kawata:1949:RFFb**

- [13] Tatsuo Kawata. Representation of a function by the Fourier-Stieltjes integral. *Annals of the Institute of Statistical Mathematics*, 1(2):131–139, September 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02974853>.

**Matusita:1949:RWTb**

- [14] Kameo Matusita. A remark to the Wald's theory of statistical inference. *Annals of the Institute of Statistical Mathematics*, 1(2):141–148, September 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02974854>.

**Midzuno:1949:OTSb**

- [15] Hiroshi Midzuno. An outline of the theory of sampling systems. *Annals of the Institute of Statistical*

*Mathematics*, 1(2):149–156, September 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02974855>.

**Ugaheri:1949:LDb**

- [16] Tadashi Ugaheri. On a limit distribution. *Annals of the Institute of Statistical Mathematics*, 1(2):157–160, September 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02974856>.

**Anonymous:1949:HCb**

- [17] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 1(2):??, September 1949. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Ugaheri:1950:ACL**

- [18] Tadashi Ugaheri. On the abscissa of convergence of Laplace-Stieltjes integral. *Annals of the Institute of Statistical Mathematics*, 2(1):1–3, December 1950–1951. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02919495>.

**Matusita:1950:FOC**

- [19] Kameo Matusita. On the fundamental operations of collectives. *Annals of the Institute of Statistical Mathematics*, 2(1):5–11, December 1950–1951. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02919496>.



**Nabeya:1950:RBE**

- [20] Seiji Nabeya. On a relation between exponential law and Poisson's law. *Annals of the Institute of Statistical Mathematics*, 2(1):13–16, December 1950–1951. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02919497>.

**Aoyama:1950:NCO**

- [21] Hirojiro Aoyama. A note on the classification of observation data. *Annals of the Institute of Statistical Mathematics*, 2(1):17–19, December 1950–1951. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02919498>.

**Midzuno:1950:CGI**

- [22] Hiroshi Midzuno. On certain groups of inequalities. *Annals of the Institute of Statistical Mathematics*, 2(1):21–33, December 1950–1951. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02919499>.

**Hayashi:1950:QQD**

- [23] Chikio Hayashi. On the quantification of qualitative data from the mathematico-statistical point of view. *Annals of the Institute of Statistical Mathematics*, 2(1):35–47, December 1950–1951. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02919500>.

**Hayashi:1950:SDL**

- [24] Chikio Hayashi, Fumiyuki Maruyama, Masatsugu D. Ishida, Setsuko Takakura, Masako Taguma, and Michio Suzuki. Sampling design in literacy survey. *Annals of the Institute of Statistical Mathematics*, 2(1):49–59, December 1950–1951. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02919501>.

**Baker:1950:YTB**

- [25] G. A. Baker and F. N. Briggs. Yield trials with backcross derived lines of wheat. *Annals of the Institute of Statistical Mathematics*, 2(1):61–67, December 1950–1951. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02919502>.

**Hayashi:1950:SDS**

- [26] Chikio Hayashi. Sampling design in the social survey of language at the city of Shirakawa. *Annals of the Institute of Statistical Mathematics*, 2(1):69–75, December 1950–1951. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02919503>.

**Hayashi:1950:SCS**

- [27] Chikio Hayashi, Fumiyuki Maruyama, and Masatsugu D. Ishida. On some criteria for stratification. *Annals of the Institute of Statistical Mathematics*, 2(1):77–86, December 1950–1951. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02919504>.

**Bennett:1950:NSG**

- [28] B. M. Bennett. Note on a solution of the generalized Behrens–Fisher problem. *Annals of the Institute of Statistical Mathematics*, 2(1):87–90, December 1950–1951. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02919505>.

**Sato:1950:DT**

- [29] Ryoichiro Sato. “ $r$ ” distributions and “ $r$ ” tests. *Annals of the Institute of Statistical Mathematics*, 2(1):91–124, December 1950–1951. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02919506>.

**Anonymous:1950:HC**

- [30] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 2(1):??, December 1950–1951. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Nabeya:1951:AMD**

- [31] Seiji Nabeya. Absolute moments in 2-dimensional normal distribution. *Annals of the Institute of Statistical Mathematics*, 3(1):1, ??? 1951–1952. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02949770>.

**Nabeya:1951:NMT**

- [32] Seiji Nabeya. Note on the moments of the transformed correlation.

*Annals of the Institute of Statistical Mathematics*, 3(1):2–6, ??? 1951–1952. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949771>.

**Takano:1951:CCD**

- [33] Kinsaku Takano. On the convergence of classes of distributions. *Annals of the Institute of Statistical Mathematics*, 3(1):7–15, ??? 1951–1952. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949772>.

**Matusita:1951:TSD**

- [34] Kameo Matusita. On the theory of statistical decision functions. *Annals of the Institute of Statistical Mathematics*, 3(1):17–35, ??? 1951–1952. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949773>. See correction [51].

**Cohen:1951:EMV**

- [35] A. C. Cohen. On estimating the mean and variance of singly truncated normal frequency distributions from the first three sample moments. *Annals of the Institute of Statistical Mathematics*, 3(1):37–44, ??? 1951–1952. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949774>.

**Sato:1951:TRR**

- [36] Ryoichiro Sato. The  $r$  tests relating to the regression. *Annals of the Institute of Statistical Math-*



*ematics*, 3(1):45–56, ??? 1951–1952. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949775>.

**Aoyama:1951:PSS**

- [37] Hirojiro Aoyama. On practical systematic sampling. *Annals of the Institute of Statistical Mathematics*, 3(1):57–63, ??? 1951–1952. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949776>.

**Aoyama:1951:MI**

- [38] Hirojiro Aoyama. On Midzuno's inequality. *Annals of the Institute of Statistical Mathematics*, 3(1):65–67, ??? 1951–1952. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949777>.

**Hayashi:1951:PPQ**

- [39] Chikio Hayashi. On the prediction of phenomena from qualitative data and the quantification of qualitative data from the mathematico-statistical point of view. *Annals of the Institute of Statistical Mathematics*, 3(1):69–98, ??? 1951–1952. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949778>.

**Midzuno:1951:SSP**

- [40] Hiroshi Midzuno. On the sampling system with probability proportionate to sum of sizes. *Annals of the Institute of Statistical Mathematics*, 3(1):99–107, ??? 1951–1952. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949779>.

**Midzuno:1951:RSD**

- [41] Hiroshi Midzuno. Report of the survey design for agricultural production estimates in the Ryukyu Islands. *Annals of the Institute of Statistical Mathematics*, 3(1):109–121, ??? 1951–1952. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949780>.

**Goodman:1951:PGD**

- [42] Leo A. Goodman. On the Poisson–Gamma distribution problem. *Annals of the Institute of Statistical Mathematics*, 3(1):123–125, ??? 1951–1952. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949781>.

**Sato:1951:E**

- [43] R. Sato. Errata. *Annals of the Institute of Statistical Mathematics*, 3(1):127–128, ??? 1951–1952. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02949782>.

**Anonymous:1951:HC**

- [44] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 3(1):??, ??? 1951–1952. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Kazami:1952:APE**

- [45] Akiko Kazami. Asymptotic properties of the estimates of an unknown



parameter in stationary Markoff process. *Annals of the Institute of Statistical Mathematics*, 4(1):1–6, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949783>.

**Isida:1952:RLR**

- [46] Masatugu D. Isida. A remark on the linear regression estimate. *Annals of the Institute of Statistical Mathematics*, 4(1):7–9, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949784>.

**Matusita:1952:NDP**

- [47] Kameo Matusita and Hirotugu Akaike. Note on the decision problem. *Annals of the Institute of Statistical Mathematics*, 4(1):11–14, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949785>.

**Nabeya:1952:AMD**

- [48] Seiji Nabeya. Absolute moments in 3-dimensional normal distribution. *Annals of the Institute of Statistical Mathematics*, 4(1):15–30, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949786>.

**Bennett:1952:EMB**

- [49] B. M. Bennett. Estimation of means on the basis of preliminary tests of significance. *Annals of the Institute of Statistical Mathematics*, 4(1):31–43, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949787>.

1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949787>.

**Chapman:1952:TER**

- [50] Douglas G. Chapman. On tests and estimates for the ratio of Poisson means. *Annals of the Institute of Statistical Mathematics*, 4(1):45–49, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949788>.

**Matusita:1952:CPT**

- [51] Kameo Matusita. Correction to the paper “On the theory of statistical decision functions”. *Annals of the Institute of Statistical Mathematics*, 4(1):51–53, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949789>. See [34].

**Hayashi:1952:MP**

- [52] Chikio Hayashi and Hirotugu Akaike. On a matching problem. *Annals of the Institute of Statistical Mathematics*, 4(1):55–64, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949790>.

**Inada:1952:CDP**

- [53] Ken iti Inada. On a certain decision problem under some constraints. *Annals of the Institute of Statistical Mathematics*, 4(1):65–82, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).



tronic). URL <http://link.springer.com/article/10.1007/BF02949791>.

**Aoyama:1952:TPC**

- [54] Hirojiro Aoyama. On a test in paired comparisons. *Annals of the Institute of Statistical Mathematics*, 4(1): 83–87, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949792>.

**Nisihira:1952:SAI**

- [55] Sigeki Nisihira. Some analysis on the intensity. *Annals of the Institute of Statistical Mathematics*, 4(1):89–94, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949793>.

**Taga:1952:OBB**

- [56] Yasushi Taga. On optimum balancing between sample size and number of strata in sub-sampling. *Annals of the Institute of Statistical Mathematics*, 4(1):95–102, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949794>.

**Konijn:1952:RCM**

- [57] H. S. Konijn. A remark on the characterization of minimax procedures. *Annals of the Institute of Statistical Mathematics*, 4(1):103–105, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949795>.

**Anonymous:1952:HC**

- [58] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 4(1):??, 1952–1953. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Takano:1953:MCC**

- [59] Kinsaku Takano. A metrization of class-convergences of distributions. *Annals of the Institute of Statistical Mathematics*, 5(1):1–7, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949796>.

**Wolfowitz:1953:EMD**

- [60] J. Wolfowitz. Estimation by the minimum distance method. *Annals of the Institute of Statistical Mathematics*, 5(1):9–23, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949797>.

**Aoyama:1953:CST**

- [61] Hirojiro Aoyama. On the chi-square test for weighted samples. *Annals of the Institute of Statistical Mathematics*, 5(1):25–28, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949798>.

**Nisihira:1953:QSS**

- [62] Sigelri Nisihira. A quantification of social status. *Annals of the Institute of Statistical Mathematics*, 5(1): 29–40, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949799>.

**Takano:1953:MDD**

- [63] Kinsakn Takano. On the many-dimensional distribution functions. *Annals of the Institute of Statistical Mathematics*, 5(1):41–58, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949800>.

**Matusita:1953:EMD**

- [64] Kameo Matusita. On the estimation by the minimum distance method. *Annals of the Institute of Statistical Mathematics*, 5(1):59–65, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949801>.

**Takano:1953:NWP**

- [65] Kinsaku Takano. Note on Wiener's prediction theory. *Annals of the Institute of Statistical Mathematics*, 5(1):67–72, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949802>.

**Aoyama:1953:IB**

- [66] Hirojiro Aoyama. On the interviewing bias. *Annals of the Institute of Statistical Mathematics*, 5(1):73–76, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949803>.

**Higuchi:1953:SCS**

- [67] Isao Higuchi. On the solutions of certain simultaneous equations in the theory of systematic statistics. *Annals of the Institute of Statistical Mathematics*, 5(1):77–90, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949804>.

**Baker:1953:ESL**

- [68] G. A. Baker. The effect of selection on linear functions of normally distributed correlated variables on the distributions of other linear functions. *Annals of the Institute of Statistical Mathematics*, 5(1):91–95, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949805>.

**Hiraga:1953:TTS**

- [69] Yoshihiko Hiraga, Hidenori Morimura, and Hisao Watanabe. Tables for three-sample test. *Annals of the Institute of Statistical Mathematics*, 5(1):97–102, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949806>.

**Bennett:1953:SFE**

- [70] B. M. Bennett. Some further extensions of Fieller's theorem. *Annals of the Institute of Statistical Mathematics*, 5(1):103–106, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949807>.



**Yokota:1953:PS**

- [71] Toshio Yokota. On the polaron state. *Annals of the Institute of Statistical Mathematics*, 5(1):107–119, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949808>.

**Hayashi:1953:MQ**

- [72] Chikio Hayashi. Multidimensional quantification. *Annals of the Institute of Statistical Mathematics*, 5(1):121–143, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02949809>.

**Hayashi:1953:E**

- [73] Chikio Hayashi and H. S. Konijn. Errata. *Annals of the Institute of Statistical Mathematics*, 5(1):144, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02949810>.

**Anonymous:1953:HC**

- [74] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 5(1):??, 1953–1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Aoyama:1954:SSR**

- [75] Hirojiro Aoyama. A study of the stratified random sampling. *Annals of the Institute of Statistical Mathematics*, 6(1):1–36, December 1954. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02960514>.

**Takano:1954:SLT**

- [76] Kinsaku Takano. On some limit theorems of probability distributions. *Annals of the Institute of Statistical Mathematics*, 6(1):37–113, December 1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02960515>.

**Inada:1954:EPS**

- [77] Ken ichi Inada. Elementary proofs of some theorems about the social welfare function. *Annals of the Institute of Statistical Mathematics*, 6(1):115–122, December 1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02960516>.

**Konijn:1954:FRC**

- [78] H. S. Konijn. A further remark on the characterization of minimax procedures. *Annals of the Institute of Statistical Mathematics*, 6(1):123, December 1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02960517>.

**Anonymous:1954:HCa**

- [79] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 6(1):??, December 1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).



Akaike:1954:ADF

- [80] Hirotugu Akaike. An approximation to the density function. *Annals of the Institute of Statistical Mathematics*, 6(2):127–132, June 1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02900741>.

Matusita:1954:TSH

- [81] Kameo Matusita, Yukio Suzuki, and Hiroshi Hudimoto. On testing statistical hypotheses. *Annals of the Institute of Statistical Mathematics*, 6(2):133–141, June 1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02900742>.

Matusita:1954:DRP

- [82] Kameo Matusita. Decision rule by probability ratio. *Annals of the Institute of Statistical Mathematics*, 6(2):143–151, June 1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02900743>.

Siotani:1954:ESD

- [83] Minoru Siotani. An estimate of standard deviation of normal population based on the difference between means of two groups divided by sample mean. *Annals of the Institute of Statistical Mathematics*, 6(2):153–160, June 1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02900744>.

Higuti:1954:SRC

- [84] Isao Higuti. A statistical research on colloidal graphite. I. *Annals of the Institute of Statistical Mathematics*, 6(2):161–172, June 1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02900745>.

Sakino:1954:FPP

- [85] Sigeki Sakino and Goro Kono. On the forecasting of prognosis in pediatrics by a quantifying method. *Annals of the Institute of Statistical Mathematics*, 6(2):173–178, June 1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02900746>.

Aoyama:1954:Ea

- [86] Hirojiro Aoyama. Errata. *Annals of the Institute of Statistical Mathematics*, 6(2):179, June 1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02900747>.

Aoyama:1954:Eb

- [87] Hirojiro Aoyama. Errata. *Annals of the Institute of Statistical Mathematics*, 6(2):179, June 1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02900748>.

Aoyama:1954:Ec

- [88] Hirojiro Aoyama. Errata. *Annals of the Institute of Statistical Mathematics*, 6(2):179–180, June 1954. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02900749>.

**Anonymous:1954:HCB**

- [89] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 6(2):??, June 1954. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Mine:1954:ELR**

- [90] Akiko Mine. Estimation of linear regression coefficients in time series. *Annals of the Institute of Statistical Mathematics*, 6(3):181–189, 1954–1955. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02905912>.

**Motoo:1954:NRB**

- [91] Minoru Motoo. Note on a relation between the distribution functions and characteristic functions. *Annals of the Institute of Statistical Mathematics*, 6(3):191–195, 1954–1955. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02905913>.

**Suzuki:1954:NNP**

- [92] Yukio Suzuki. Note on the Neyman–Pearson’s fundamental lemma. *Annals of the Institute of Statistical Mathematics*, 6(3):197–211, 1954–1955. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02905914>.

**Walsh:1954:BSL**

- [93] John E. Walsh. Bounded significance level tests for comparing quantiles of two possibly different continuous populations. *Annals of the Institute of Statistical Mathematics*, 6(3):213–222, 1954–1955. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02905915>.

**Nikaido:1954:NAN**

- [94] Hukukane Nikaidô. New aspects of von Neumann’s model with special regard to computational problems. *Annals of the Institute of Statistical Mathematics*, 6(3):223–230, 1954–1955. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02905916>.

**Sakino:1954:SID**

- [95] Sigeki Sakino and Umeji Hirata. On the statistical investigation of diagnosis in the internal medicine. *Annals of the Institute of Statistical Mathematics*, 6(3):231–235, 1954–1955. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02905917>.

**Bennett:1954:E**

- [96] B. M. Bennett. Errata. *Annals of the Institute of Statistical Mathematics*, 6(3):237, 1954–1955. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02905918>.



**Anonymous:1954:HCC**

- [97] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 6(3):??, ??? 1954–1955. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Matusita:1955:SPS**

- [98] Kameo Matusita, Chikio Hayashi, Masatugu Isida, Hirobumi Uzawa, Hiroshi Hudimoto, Hirotugu Akaike, and Tosio Uematu. Some problems of sampling in the forest survey. *Annals of the Institute of Statistical Mathematics*, 7(1):1–23, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951442>.

**Yamamoto:1955:TSP**

- [99] Sumiyasu Yamamoto. On the theory of sampling with probabilities proportionate to given values. *Annals of the Institute of Statistical Mathematics*, 7(1):25–38, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951443>.

**Siotani:1955:SDV**

- [100] Minoru Siotani. The significance of the discordant variance estimates. *Annals of the Institute of Statistical Mathematics*, 7(1):39–55, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951444>.

**Bennett:1955:NML**

- [101] B. M. Bennett. Note on the moments of the logarithmic non-central  $\chi^2$  and  $z$  distributions. *Annals of the Institute of Statistical Mathematics*, 7(1):57–61, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951445>.

**Bennett:1955:JDM**

- [102] B. M. Bennett. On the joint distribution of the mean and standard deviation. *Annals of the Institute of Statistical Mathematics*, 7(1):63–66, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951446>.

**Matusita:1955:DRB**

- [103] Kameo Matusita and Hirotugu Akaike. Decision rules, based on the distance, for the problems of independence, invariance and two samples. *Annals of the Institute of Statistical Mathematics*, 7(1):67–80, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951447>.

**Takano:1955:MCL**

- [104] Kinsaku Takano. Multidimensional central limit criterion in the case of bounded variances. *Annals of the Institute of Statistical Mathematics*, 7(1):81–93, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951448>.



**Takano:1955:CCC**

- [105] Kinsaku Takano. Central convergence criterion in the multidimensional case. *Annals of the Institute of Statistical Mathematics*, 7(1):95–102, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951449>.

**Baker:1955:EWG**

- [106] G. A. Baker. The effects of wide groupings on the distributions of array means and variances for correlated normal variables. *Annals of the Institute of Statistical Mathematics*, 7(1):103–106, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951450>.

**Akaike:1955:MCM**

- [107] Hirotugu Akaike. Monte Carlo method applied to the solution of simultaneous linear equations. *Annals of the Institute of Statistical Mathematics*, 7(1):107–113, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951451>.

**Kimura:1955:AMN**

- [108] Hitosi Kimura. An approximation method in numerical computation of the Leontief's open input-output model. *Annals of the Institute of Statistical Mathematics*, 7(1):115–122, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951452>.

**Uzawa:1955:GLC**

- [109] Hirofumi Uzawa. A generalization of Laplace criterion for decision problems. *Annals of the Institute of Statistical Mathematics*, 7(1):123–129, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951453>.

**Muta:1955:SSD**

- [110] Akinori Muta and Isao Higuti. Shape and size distribution of carbon black when it is crushed. *Annals of the Institute of Statistical Mathematics*, 7(1):131–135, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951454>.

**Matusita:1955:FTD**

- [111] Kameo Matusita and Minoru Motoo. On the fundamental theorem for the decision rule based on distance  $||$ . *Annals of the Institute of Statistical Mathematics*, 7(1):137–142, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951455>.

**Konijn:1955:SEW**

- [112] H. S. Konijn. Some estimates which minimize the least upper bound of a probability together with the cost of observation. *Annals of the Institute of Statistical Mathematics*, 7(1):143–158, ??? 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951456>.



Hudimoto:1955:NFS

- [113] Hiroshi Hudimoto. Note on fitting a straight line when both variables are subject to error and some applications. *Annals of the Institute of Statistical Mathematics*, 7(1):159–167, 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951457>.

Motoo:1955:STS

- [114] Minoru Motoo. Some theorems on the sum of positive random variables. *Annals of the Institute of Statistical Mathematics*, 7(1):169–181, 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951458>.

Akaike:1955:OCN

- [115] Hirotugu Akaike. On optimum character of von Neumann's Monte Carlo model. *Annals of the Institute of Statistical Mathematics*, 7(1):183–193, 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951459>.

Uzawa:1955:IEC

- [116] Hirofumi Uzawa. On intertemporal efficiency conditions of capital accumulation (i). *Annals of the Institute of Statistical Mathematics*, 7(1):195–204, 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951460>.

Kimura:1955:EOD

- [117] Hitosi Kimura. On the errors of outputs due to errors of technical coefficients in Leontief's open input-output models. *Annals of the Institute of Statistical Mathematics*, 7(1):205–213, 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951461>.

Sakino:1955:DTS

- [118] Sigeki Sakino. Determination of the target size by the indirect action of irradiation. *Annals of the Institute of Statistical Mathematics*, 7(1):215–220, 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02951462>.

Sakino:1955:E

- [119] Sigeki Sakino, Umeji Hirata, Kameo Matusita, and Hirotugu Akaike. Errata. *Annals of the Institute of Statistical Mathematics*, 7(1):221, 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02951463>.

Anonymous:1955:HC

- [120] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 7(1):??, 1955–1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

Siotani:1956:DHS

- [121] Minoru Siotani. On the distributions of the Hotelling's  $T^2$ -statistics.



*Annals of the Institute of Statistical Mathematics*, 8(1):1–14, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863561>.

**Epstein:1956:SEP**

- [122] Benjamin Epstein. Simple estimators of the parameters of exponential distributions when samples are censored. *Annals of the Institute of Statistical Mathematics*, 8(1):15–26, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863562>.

**Aoyama:1956:ESE**

- [123] Hirojiro Aoyama. On the evaluation of the sampling error of a certain determinant. *Annals of the Institute of Statistical Mathematics*, 8(1):27–33, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863563>.

**Uzawa:1956:NPA**

- [124] Hirofumi Uzawa. Note on preference and axioms of choice. *Annals of the Institute of Statistical Mathematics*, 8(1):35–40, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863564>.

**Bennett:1956:CLR**

- [125] B. M. Bennett. On confidence limits for the ratio of regression coefficients. *Annals of the Institute of Statistical Mathematics*, 8(1):41–43, December 1956. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863565>.

**Bennett:1956:UPT**

- [126] B. M. Bennett. On the use of preliminary tests in certain statistical procedures. *Annals of the Institute of Statistical Mathematics*, 8(1):45–52, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863566>.

**Akaike:1956:DPT**

- [127] Hirotugu Akaike. On the distribution of the product of two  $\Gamma$ -distributed variables. *Annals of the Institute of Statistical Mathematics*, 8(1):53–54, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02863567>.

**Higuti:1956:NSI**

- [128] Isao Higuti. Note on the sums of the independent variates of K. Pearson's type V. *Annals of the Institute of Statistical Mathematics*, 8(1):55–59, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863568>.

**Suzuki:1956:NOM**

- [129] Yukio Suzuki. Note on optimal machine setting. *Annals of the Institute of Statistical Mathematics*, 8(1):61–64, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863569>.



**Kimura:1956:E**

- [130] Hitosi Kimura. Errata. *Annals of the Institute of Statistical Mathematics*, 8(1):65, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02863570>.

**Matusita:1956:DRB**

- [131] Kameo Matusita. Decision rule, based on the distance, for the classification problem. *Annals of the Institute of Statistical Mathematics*, 8(1):67–77, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863571>.

**Walsh:1956:VAN**

- [132] John E. Walsh. Validity of approximate normality values for  $\mu \pm k\sigma$  areas of practical type continuous populations. *Annals of the Institute of Statistical Mathematics*, 8(1):79–86, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863572>.

**Akaike:1956:ZOP**

- [133] Hirotugu Akaike. On a zero-one process and some of its applications. *Annals of the Institute of Statistical Mathematics*, 8(1):87–94, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863573>.

**Siotani:1956:OSD**

- [134] Minoru Siotani. Order statistics for discrete case with a numerical appli-

cation to the binomial distribution. *Annals of the Institute of Statistical Mathematics*, 8(1):95–104, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863574>.

**Hudimnoto:1956:DFC**

- [135] Hirosi Hudimnoto. On the distribution-free classification of an individual into one of two groups. *Annals of the Institute of Statistical Mathematics*, 8(1):105–112, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863575>.

**Higuti:1956:NDO**

- [136] Isao Higuti. Note on the decision of optimal tolerance in the design of a simple random assembling. *Annals of the Institute of Statistical Mathematics*, 8(1):113–118, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863576>.

**Isida:1956:RNG**

- [137] Masatugu Isida and Hiroji Ikeda. Random number generator. *Annals of the Institute of Statistical Mathematics*, 8(1):119–126, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863577>.

**Matusita:1956:E**

- [138] Kameo Matusita, Hitosi Kimura, H. S. Konijn, and Isao Higuti. Errata.



*Annals of the Institute of Statistical Mathematics*, 8(1):127, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02863578>.

**Aoyama:1956:SFT**

- [139] Hirojiro Aoyama. Sampling fluctuations of the test reliability. *Annals of the Institute of Statistical Mathematics*, 8(1):129–143, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863579>.

**Motoo:1956:HCC**

- [140] Minoru Motoo. On the Hoeffding's combinatorial central limit theorem. *Annals of the Institute of Statistical Mathematics*, 8(1):145–154, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863580>.

**Sibuya:1956:TPD**

- [141] Masaaki Sibuya and Hideo Toda. Tables of the probability density function of range in normal samples. *Annals of the Institute of Statistical Mathematics*, 8(1):155–165, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863581>.

**Walsh:1956:NME**

- [142] John E. Walsh. Nonparametric mean estimation of percentage points and density function values. *Annals of the Institute of Statistical Mathematics*, 8

(1):167–180, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863582>.

**Nisihira:1956:CNC**

- [143] Sigeki Nisihira. Cross-national comparative study on social stratification and social mobility. *Annals of the Institute of Statistical Mathematics*, 8(1):181–191, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863583>.

**Bennett:1956:TLR**

- [144] B. M. Bennett. Tests for linearity of regression involving correlated observations. *Annals of the Institute of Statistical Mathematics*, 8(1):193–195, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02863584>.

**Higuti:1956:E**

- [145] Isao Higuti. Errata. *Annals of the Institute of Statistical Mathematics*, 8(1):195, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02863585>.

**Anonymous:1956:HC**

- [146] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 8(1):??, December 1956. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).



Isii:1957:SIR

- [147] Keiiti Isii. Some investigations of the relation between distribution functions and their moments. *Annals of the Institute of Statistical Mathematics*, 9(1):1–11, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892487>.

Akaike:1957:EPT

- [148] Hirotugu Akaike. On ergodic property of a tandem type queueing process. *Annals of the Institute of Statistical Mathematics*, 9(1):13–21, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892488>.

Aoyama:1957:CSS

- [149] Hirojiro Aoyama. On a certain statistic in a social group. *Annals of the Institute of Statistical Mathematics*, 9(1):23–30, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892489>.

Hudimoto:1957:NPC

- [150] Hiroshi Hudimoto. A note on the probability of the correct classification when the distributions are not specified. *Annals of the Institute of Statistical Mathematics*, 9(1):31–36, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892490>.

Suzuki:1957:SOW

- [151] Yukio Suzuki. On scheduling of overtime work. *Annals of the Institute of Statistical Mathematics*, 9(1):37–42, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892491>.

Gold:1957:GPD

- [152] Louis Gold. Generalized Poisson distributions. *Annals of the Institute of Statistical Mathematics*, 9(1):43–47, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892492>.

Hayashi:1957:NSS

- [153] Chikio Hayashi. Note on sampling from a sociometric pattern. *Annals of the Institute of Statistical Mathematics*, 9(1):49–52, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892493>.

Takano:1957:BTI

- [154] Kinsaku Takano. On the basic theorems of information theory. *Annals of the Institute of Statistical Mathematics*, 9(1):53–77, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892494>.

Teicher:1957:CPD

- [155] Henry Teicher. "on the convergence of projected distributions". *Annals of the Institute of Statistical*



*Mathematics*, 9(1):79–86, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892495>.

**Uematu:1957:TCI**

- [156] Tosio Uematu. On the traffic control at an intersection controlled by the repeated fixed-cycle traffic lights. *Annals of the Institute of Statistical Mathematics*, 9(1):87–107, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892496>.

**Maly:1957:CTM**

- [157] Vladimír Malý. The comparing of two methods in microbiology. *Annals of the Institute of Statistical Mathematics*, 9(1):109–115, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892497>.

**Ishii:1957:TFL**

- [158] Goro Ishii. Test of fit in life test. *Annals of the Institute of Statistical Mathematics*, 9(1):117–125, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892498>.

**Walsh:1957:FCN**

- [159] John E. Walsh. Further consideration of normality values for  $\mu \pm k\sigma$  areas of continuous populations. *Annals of the Institute of Statistical Mathematics*, 9(1):127–129, December 1957. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892499>.

**Akaike:1957:E**

- [160] Hirotugu Akaike. Errata. *Annals of the Institute of Statistical Mathematics*, 9(1):130, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02892500>.

**Suzuki:1957:DDP**

- [161] Yukio Suzuki. Discrete decision problems. *Annals of the Institute of Statistical Mathematics*, 9(1):131–148, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892501>.

**Taga:1957:EAL**

- [162] Yasushi Taga and Tatsuzo Suzuki. On the estimation of average length of chains in the communication-pattern. *Annals of the Institute of Statistical Mathematics*, 9(1):149–156, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892502>.

**Siotani:1957:NUG**

- [163] Minoru Siotani. Note on the utilization of the generalized Student ratio in the analysis of variance or dispersion. *Annals of the Institute of Statistical Mathematics*, 9(1):157–171, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892503>.



**Isii:1957:NCU**

- [164] Keiiti Isii. Note on a characterization of unimodal distributions. *Annals of the Institute of Statistical Mathematics*, 9(1):173–184, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892504>.

**Walsh:1957:ESS**

- [165] John E. Walsh. Efficient small sample nonparametric median tests with bounded significance levels. *Annals of the Institute of Statistical Mathematics*, 9(1):185–199, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892505>.

**Kimura:1957:RPA**

- [166] Hitisi Kimura. A remark on price analysis in Leontief's open input-output model. *Annals of the Institute of Statistical Mathematics*, 9(1):201–213, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892506>.

**Rider:1957:GCD**

- [167] Paul R. Rider. Generalized Cauchy distributions. *Annals of the Institute of Statistical Mathematics*, 9(1):215–223, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892507>.

**Sibuya:1957:MIC**

- [168] Masaaki Sibuya. Modal intervals for chi-square distributions. *Annals of the Institute of Statistical Mathematics*, 9(1):225–236, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02892508>.

**Ishii:1957:E**

- [169] Goro Ishii. Errata. *Annals of the Institute of Statistical Mathematics*, 9(1):236, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02892509>.

**Anonymous:1957:HC**

- [170] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 9(1):??, December 1957. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Matusita:1959:KT**

- [171] Kameo Matusita. Kinsaku Takano 1915–1958. *Annals of the Institute of Statistical Mathematics*, 10(1):i–ii, March 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02883982>.

**Akaike:1959:CME**

- [172] Hirotugu Akaike. On a computation method for eigenvalue problems and its application to statistical analysis. *Annals of the Institute of Statistical Mathematics*, 10(1):1–20, March 1959. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883983>.

**Motoo:1959:PLI**

- [173] Minoru Motoo. Proof of the law of iterated logarithm through diffusion equation. *Annals of the Institute of Statistical Mathematics*, 10(1):21–28, March 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883984>.

**Okamoto:1959:SIR**

- [174] Masashi Okamoto. Some inequalities relating to the partial sum of binomial probabilities. *Annals of the Institute of Statistical Mathematics*, 10(1):29–35, March 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883985>.

**Ishii:1959:KST**

- [175] Goro Ishii. Kolmogorov–Smirnov test in life test. *Annals of the Institute of Statistical Mathematics*, 10(1):37–46, March 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883986>.

**Siotani:1959:TTH**

- [176] Minoru Siotani and Masaru Ozawa. Tables for testing the homogeneity of  $k$  independent binomial experiments on a certain event based on the range. *Annals of the Institute of Statistical Mathematics*, 10(1):47–63, March 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883987>.

**Anonymous:1959:HCa**

- [177] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 10(1):??, March 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Isii:1959:MGT**

- [178] Keiiti Isii. On a method for generalizations of Tchebycheff’s inequality. *Annals of the Institute of Statistical Mathematics*, 10(2):65–88, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883863>.

**Suzuki:1959:NLP**

- [179] Yukio Suzuki. Note on linear programming. *Annals of the Institute of Statistical Mathematics*, 10(2):89–105, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883864>.

**David:1959:AIV**

- [180] Herbert T. David, Edward A. Fay, and John E. Walsh. Acceptance inspection by variables when the measurements are subject to error. *Annals of the Institute of Statistical Mathematics*, 10(2):107–129, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883865>.

**Uematu:1959:NNC**

- [181] Tosio Uematu. Note on the numerical computation in the discrimination problem. *Annals of the Institute of Statistical Mathematics*, 10(2):131–135,



June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883866>.

**Yokota:1959:SMS**

- [182] Toshio Yokota. Stochastic methods of solving partial integro-differential equations and their application to non-stationary Markoff process: I. *Annals of the Institute of Statistical Mathematics*, 10(2):137–161, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883867>.

**Aoyama:1959:ERI**

- [183] Hirojiro Aoyama. On the evaluation of the risk index of the railroad crossing. *Annals of the Institute of Statistical Mathematics*, 10(2):163–180, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883868>.

**Kimura:1959:E**

- [184] Hitisi Kimura. Errata. *Annals of the Institute of Statistical Mathematics*, 10(2):181, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02883869>.

**Okamoto:1959:E**

- [185] Masashi Okamoto. Errata. *Annals of the Institute of Statistical Mathematics*, 10(2):181, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02883870>.

**Anonymous:1959:HCB**

- [186] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 10(2):??, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Siotani:1959:EVG**

- [187] Minoru Siotani. The extreme value of the generalized distances of the individual points in the multivariate normal sample. *Annals of the Institute of Statistical Mathematics*, 10(3):183–208, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883941>.

**Sibuya:1959:OPC**

- [188] Masaaki Sibuya and Toshiro Haga. Orthogonal polynomials without constant term. *Annals of the Institute of Statistical Mathematics*, 10(3):209–222, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883942>.

**Walsh:1959:LSN**

- [189] John E. Walsh. Large sample non-parametric rejection of outlying observations. *Annals of the Institute of Statistical Mathematics*, 10(3):223–232, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883943>.



Akaike:1959:SCG

- [190] Hirotugu Akaike. On the statistical control of the gap process. *Annals of the Institute of Statistical Mathematics*, 10(3):233–259, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883944>.

Sakino:1959:AEM

- [191] Sigeki Sakino and Chikio Hayashi. On the analysis of epidemic model I (theoretical approach). *Annals of the Institute of Statistical Mathematics*, 10(3):261–275, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883945>.

Dwass:1959:MCP

- [192] Meyer Dwass. Multiple confidence procedures. *Annals of the Institute of Statistical Mathematics*, 10(3):277–282, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883946>.

Odaka:1959:SFR

- [193] Kunio Odaka and Sigeki Nisihira. Some factors related to social mobility in Japan. *Annals of the Institute of Statistical Mathematics*, 10(3):283–288, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02883947>.

Anonymous:1959:HCc

- [194] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 10(3):??, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

Akaike:1959:STP

- [195] Hirotugu Akaike. On a successive transformation of probability distribution and its application to the analysis of the optimum gradient method. *Annals of the Institute of Statistical Mathematics*, 11(1):1–16, 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01831719>.

Ishii:1959:EPR

- [196] Goro Ishii. On the exact probabilities of Renyi's tests. *Annals of the Institute of Statistical Mathematics*, 11(1):17–24, 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01831720>.

Taga:1959:SMC

- [197] Yasushi Taga and Keiiti Isii. On a stochastic model concerning the pattern of communication. *Annals of the Institute of Statistical Mathematics*, 11(1):25–43, 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01831721>.

Jilek:1959:CDO

- [198] Milos Jílek and Otakar Líkar. Coefficients for the determination of one-sided tolerance limits of normal dis-



tribution. *Annals of the Institute of Statistical Mathematics*, 11(1):45–48, ??? 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01831722>.

**Motoo:1959:SEC**

- [199] Minoru Motoo. Some evaluations for continuous Monte Carlo method by using Brownian hitting process. *Annals of the Institute of Statistical Mathematics*, 11(1):49–54, ??? 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01831723>.

**Aggarwal:1959:TCD**

- [200] Om P. Aggarwal and Irwin Guttman. Tables of the cumulative distribution functions of samples from symmetrically truncated normal distributions. *Annals of the Institute of Statistical Mathematics*, 11(1):55–68, ??? 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01831724>.

**Savage:1959:N**

- [201] I. Richard Savage. Notice. *Annals of the Institute of Statistical Mathematics*, 11(1):69, ??? 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF01831725>.

**Walsh:1959:E**

- [202] John E. Walsh, Hirotugu Akaike, Sigeki Sakino, and Chikio Hayashi. Errata. *Annals of the Institute of Statistical Mathematics*, 11(1):70, ???

1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF01831726>.

**Suzuki:1959:SIP**

- [203] Yukio Suzuki. On sampling inspection plans. *Annals of the Institute of Statistical Mathematics*, 11(1):71–79, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01737394>.

**Walsh:1959:NPS**

- [204] John E. Walsh. Nonparametric properties of some maximum likelihood estimates for median of symmetrical population. *Annals of the Institute of Statistical Mathematics*, 11(1):81–88, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01737395>.

**Isii:1959:BPN**

- [205] Keiiti Isii. Bounds on probability for non-negative random variables. *Annals of the Institute of Statistical Mathematics*, 11(1):89–99, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01737396>.

**Haight:1959:GPD**

- [206] Frank A. Haight. The generalized Poisson distribution. *Annals of the Institute of Statistical Mathematics*, 11(1):101–105, September 1959. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01737397>.

**Okamoto:1959:CTD**

- [207] Masashi Okamoto. A convergence theorem for discrete probability distributions. *Annals of the Institute of Statistical Mathematics*, 11(1): 107–112, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01737398>.

**Hudimoto:1959:TSN**

- [208] Hiroshi Hudimoto. On a two-sample non-parametric test in the case that ties are present. *Annals of the Institute of Statistical Mathematics*, 11(1): 113–120, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01737399>.

**Ikeda:1959:NNA**

- [209] Sadao Ikeda. A note on the normal approximation to the sum of independent random variables. *Annals of the Institute of Statistical Mathematics*, 11(1):121–130, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01737400>.

**Ikeda:1959:CCS**

- [210] Sadao Ikeda. Continuity and characterization of Shannon–Wiener information measure for continuous probability distributions. *Annals of the Institute of Statistical Mathematics*, 11

(1):131–144, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01737401>.

**Anonymous:1959:HCd**

- [211] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 11(1):??, ??? 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Anonymous:1959:HCE**

- [212] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 11(1):??, September 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Akaike:1959:ETE**

- [213] Hirotugu Akaike. Effect of timing-error on the power spectrum of sampled-data. *Annals of the Institute of Statistical Mathematics*, 11(2):145–165, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01682325>.

**Siotani:1959:NMC**

- [214] Minoru Siotani. Notes on multivariate confidence bounds. *Annals of the Institute of Statistical Mathematics*, 11(2):167–182, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01682326>.

**Walsh:1959:NTM**

- [215] John E. Walsh. Nonparametric tests for median by interpolation from sign



tests. *Annals of the Institute of Statistical Mathematics*, 11(2):183–188, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01682327>.

**Cohen:1959:EPD**

- [216] A. Clifford Cohen, Jr. Estimation in the Poisson distribution when sample values of  $c + 1$  are sometimes erroneously reported as  $c$ . *Annals of the Institute of Statistical Mathematics*, 11(2):189–193, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01682328>.

**Sibuya:1959:BES**

- [217] Masaaki Sibuya. Bivariate extreme statistics, I. *Annals of the Institute of Statistical Mathematics*, 11(2):195–210, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01682329>.

**Haga:1959:TSR**

- [218] Toshiro Haga. A two-sample rank test on location. *Annals of the Institute of Statistical Mathematics*, 11(2):211–219, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01682330>.

**Siotani:1959:E**

- [219] Minoru Siotani, Masaru Ozawa, and Masashi Okamoto. Errata. *Annals of the Institute of Statistical Mathematics*, 11(2):220, June 1959. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF01682331>.

**Anonymous:1959:HCf**

- [220] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 11(2):??, June 1959. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hayashi:1960:SJN**

- [221] C. Hayashi, H. Aoyama, M. Isida, S. Nisihira, Y. Taga, M. Tutumi, H. Akaike, T. Uematu, T. Taguti, T. Suzuki, and K. Ōisi. A study of Japanese national character. *Annals of the Institute of Statistical Mathematics*, 11(3):1–30, 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01907886>.

**Nisihira:1960:QCI**

- [222] Sigeki Nisihira. Quelques comparaisons internationales des attitudes sociales. (French) [Some international comparisons of social attitudes]. *Annals of the Institute of Statistical Mathematics*, 11(3):31–38, 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01907887>.

**Anonymous:1960:HCa**

- [223] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 11(3):??, 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).



Akaike:1960:MMT

- [224] Hirotugu Akaike and Yaeko Saigusa. On a min-max theorem and some of its applications. *Annals of the Institute of Statistical Mathematics*, 12(1):1–5, February 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01577660>.

Akaike:1960:LPW

- [225] Hirotugu Akaike. On a limiting process which asymptotically produces  $f^{-2}$  spectral density. *Annals of the Institute of Statistical Mathematics*, 12(1):7–11, February 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01577661>.

Crawford:1960:EEE

- [226] J. R. Crawford and John E. Walsh. Empirical examination of Edgeworth series. *Annals of the Institute of Statistical Mathematics*, 12(1):13–26, February 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01577662>.

Hudimoto:1960:CUO

- [227] Hiroshi Hudimoto. On a coefficient of unidimensional ordering for the individuals' attitudes. *Annals of the Institute of Statistical Mathematics*, 12(1):27–35, February 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01577663>.

Motoo:1960:DPC

- [228] Minoru Motoo. Diffusion process corresponding to  $\frac{1}{2} \sum \frac{\partial^2}{\partial x^{i2}} + \sum b^i(x) \frac{\partial}{\partial x^i}$ . *Annals of the Institute of Statistical Mathematics*, 12(1):37–61, February 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01577664>.

Higuti:1960:RRF

- [229] Zyunsirô Higuti. Remarque sur la répartition faible dans un espace localement convexe (I). (French) [Remark on the weak repartition in a locally-convex space (I)]. *Annals of the Institute of Statistical Mathematics*, 12(1):63–67, February 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01577665>.

Ishii:1960:CBD

- [230] Goro Ishii and Reiko Hayakawa. On the compound binomial distribution. *Annals of the Institute of Statistical Mathematics*, 12(1):69–80, February 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01577666>.

Ikeda:1960:RCK

- [231] Sadao Ikeda. A remark on the convergence of Kullback–Leibler's mean information. *Annals of the Institute of Statistical Mathematics*, 12(1):81–88, February 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01577667>.



**Anonymous:1960:E**

- [232] Anonymous. Errata. *Annals of the Institute of Statistical Mathematics*, 12(1):89, February 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF01577668>.

**Anonymous:1960:HCB**

- [233] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 12(1):??, February 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Barankin:1960:SPS**

- [234] Edward W. Barankin. Sufficient parameters: Solution of the minimal dimensionality problem. *Annals of the Institute of Statistical Mathematics*, 12(2):91–118, June 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01733119>.

**Isii:1960:EPD**

- [235] Keiiti Isii. The extrema of probability determined by generalized moments (I) bounded random variables. *Annals of the Institute of Statistical Mathematics*, 12(2):119–134, June 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01733120>.

**Ogawa:1960:DOS**

- [236] Junjiro Ogawa. Determination of optimum spacings for the estimation of the scale parameter of an exponential distribution based on sample quan-

tiles. *Annals of the Institute of Statistical Mathematics*, 12(2):135–141, June 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01733121>.

**Walsh:1960:PCM**

- [237] John E. Walsh. Probabilities for Cramér-von Mises–Smirnov test using grouped data. *Annals of the Institute of Statistical Mathematics*, 12(2):143–145, June 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01733122>.

**Siotani:1960:NIE**

- [238] Minoru Siotani. A note on the interval estimation related to the regression matrix. *Annals of the Institute of Statistical Mathematics*, 12(2):147–149, June 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01733123>.

**Sibuya:1960:CPM**

- [239] Masaaki Sibuya. Cutting out procedures for material with Poisson defects. *Annals of the Institute of Statistical Mathematics*, 12(2):151–159, June 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01733124>.

**Ishii:1960:ICT**

- [240] Goro Ishii. Intraclass contingency tables. *Annals of the Institute of Statistical Mathematics*, 12(2):161–207, June 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).



URL <http://link.springer.com/article/10.1007/BF01733125>. See corrections [249].

**Ishii:1960:E**

- [241] Goro Ishii and Reiko Hayakawa. Errata. *Annals of the Institute of Statistical Mathematics*, 12(2):208, June 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF01733126>.

**Anonymous:1960:HCc**

- [242] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 12(2):??, June 1960. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Clark:1961:ECS**

- [243] Charles E. Clark and G. Trevor Williams. Estimates from censored samples. *Annals of the Institute of Statistical Mathematics*, 12(3):209–226, October 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01728931>.

**Birnbaum:1961:MDP**

- [244] Allan Birnbaum. A multi-decision procedure related to the analysis of single degrees of freedom. *Annals of the Institute of Statistical Mathematics*, 12(3):227–236, October 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01728932>.

**Takahasi:1961:MES**

- [245] Koiti Takahasi. Model for the estimation of the size of a population by using capture-recapture method. *Annals of the Institute of Statistical Mathematics*, 12(3):237–248, October 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01728933>.

**Gumbel:1961:RPO**

- [246] E. J. Gumbel. The return period of order statistics. *Annals of the Institute of Statistical Mathematics*, 12(3):249–256, October 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01728934>.

**Higuti:1961:SSR**

- [247] Isao Higuti. A statistical study of random packing of unequal spheres. *Annals of the Institute of Statistical Mathematics*, 12(3):257–271, October 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01728935>.

**Ishii:1961:NTH**

- [248] Goro Ishii and Mitsuru Yamasaki. A note on the testing of homogeneity of  $k$  binomial experiments based on the range. *Annals of the Institute of Statistical Mathematics*, 12(3):273–278, October 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01728936>.



**Ishii:1961:CIC**

- [249] Goro Ishii. Corrections to “Intra-class contingency tables.” The same Annals Vol., XII, No. 2. *Annals of the Institute of Statistical Mathematics*, 12(3):279, October 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF01728937>. See [240].

**Isii:1961:E**

- [250] Keiiti Isii. Errata. *Annals of the Institute of Statistical Mathematics*, 12(3):280, October 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF01728938>.

**Anonymous:1961:HCa**

- [251] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 12(3):??, October 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hoel:1961:SPO**

- [252] Paul G. Hoel. Some properties of optimal spacing in polynomial estimation. *Annals of the Institute of Statistical Mathematics*, 13(1):1–8, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868855>.

**Guttman:1961:BPT**

- [253] Irwin Guttman. Best populations and tolerance regions. *Annals of the Institute of Statistical Mathematics*, 13

(1):9–26, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868856>.

**Ikeda:1961:ADla**

- [254] Sadao Ikeda. An application of the discrimination information measure to the theory of testing hypotheses. Part I. *Annals of the Institute of Statistical Mathematics*, 13(1):27–46, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868857>.

**Khatri:1961:DOV**

- [255] C. G. Khatri. On the distributions obtained by varying the number of trials in a binomial distribution. *Annals of the Institute of Statistical Mathematics*, 13(1):47–51, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868858>.

**Shimizu:1961:CND**

- [256] Ryoichi Shimizu. A characterization of the normal distribution. *Annals of the Institute of Statistical Mathematics*, 13(1):53–56, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868859>.

**Rao:1961:EVU**

- [257] J. N. K. Rao. On the estimate of the variance in unequal probability sampling. *Annals of the Institute of Statistical Mathematics*, 13(1):57–60, December 1961. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868860>.

**Ikeda:1961:ADib**

- [258] Sadao Ikeda. An application of the discrimination information measure to the theory of testing hypotheses. Part II. *Annals of the Institute of Statistical Mathematics*, 13(1):61–89, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868861>.

**Whittlesey:1961:CDE**

- [259] John R. B. Whittlesey and Frank A. Haight. Counting distributions for an Erlang process. *Annals of the Institute of Statistical Mathematics*, 13(1):91–103, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868862>.

**Ogawa:1961:ERA**

- [260] Junjiro Ogawa. The effect of randomization on the analysis of randomized block design. *Annals of the Institute of Statistical Mathematics*, 13(1):105–117, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868863>.

**Rustagi:1961:BVM**

- [261] J. S. Rustagi. Bounds for the variance of Mann–Whitney statistic. *Annals of the Institute of Statistical Mathematics*, 13(1):119–126, December 1961. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868864>.

**Akaike:1961:UOS**

- [262] Hieotugu Akaike. Undamped oscillation of the sample autocovariance function and the effect of prewhitening operation. *Annals of the Institute of Statistical Mathematics*, 13(1):127–143, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868865>.

**Khatri:1961:NIE**

- [263] C. G. Khatri. A note on the interval estimation related to the regression matrix. *Annals of the Institute of Statistical Mathematics*, 13(1):145–146, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02868866>.

**Sakino:1961:AEM**

- [264] Sigeki Sakino. On the analysis of epidemic model II (theory and application). *Annals of the Institute of Statistical Mathematics*, 13(1):147–163, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868867>.

**Uematu:1961:SMC**

- [265] Tosio Uematu. Some models concerning statistical treatment of a certain congestion phenomenon. *Annals of the Institute of Statistical Mathematics*, 13(1):165–185, December 1961. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868868>.

**Taga:1961:SSL**

- [266] Yasushi Taga. On some sequential life tests. *Annals of the Institute of Statistical Mathematics*, 13(1):187–199, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868869>.

**Tanaka:1961:CIG**

- [267] Masao Tanaka. On a confidence interval of given length for the parameter of the binomial and the Poisson distributions. *Annals of the Institute of Statistical Mathematics*, 13(1):201–215, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868870>.

**Berman:1961:CBL**

- [268] Simeon M. Berman. Convergence to bivariate limiting extreme value distributions. *Annals of the Institute of Statistical Mathematics*, 13(1):217–223, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868871>.

**LikeS:1961:DCL**

- [269] Jirí LikeS. On the distribution of certain linear functions of ordered sample from exponential population. *Annals of the Institute of Statistical Mathematics*, 13(1):225–230, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868872>.

**Sibuya:1961:EOR**

- [270] Masaaki Sibuya. On exponential and other random variable generators. *Annals of the Institute of Statistical Mathematics*, 13(1):231–237, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868873>.

**Khatri:1961:SCB**

- [271] C. G. Khatri. Simultaneous confidence bounds on the departures from a particular kind of multicollinearity. *Annals of the Institute of Statistical Mathematics*, 13(1):239–242, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868874>.

**Aoyama:1961:NOR**

- [272] Hirojiro Aoyama. Note on ordered random intervals and its application. *Annals of the Institute of Statistical Mathematics*, 13(1):243–250, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868875>.

**Sibuya:1961:MPA**

- [273] Masaaki Sibuya. On a model in probit analysis. *Annals of the Institute of Statistical Mathematics*, 13(1):251–257, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868876>.



Ikeda:1961:NCS

- [274] Sadao Ikeda. A note on the characterization of Shannon–Wiener’s measure of information. *Annals of the Institute of Statistical Mathematics*, 13(1):259–266, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868877>.

Anonymous:1961:HCB

- [275] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 13(1):??, December 1961. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

Akaike:1962:DLW

- [276] Hirotugu Akaike. On the design of lag window for the estimation of spectra. *Annals of the Institute of Statistical Mathematics*, 14(1):1–21, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868621>.

Akaike:1962:SEF

- [277] Hirotugu Akaike and Yasufumi Yamanouchi. On the statistical estimation of frequency response function. *Annals of the Institute of Statistical Mathematics*, 14(1):23–56, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868622>.

Khatri:1962:MEA

- [278] C. G. Khatri. A method for estimating approximately the parameters of a certain class of distribu-

tions from grouped observations. *Annals of the Institute of Statistical Mathematics*, 14(1):57–62, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868623>.

Kapadia:1962:MSS

- [279] C. H. Kapadia. Minimal sufficient statistics for the partially balanced incomplete block (PBIB) design with two associate classes under an Eisenhart model II. *Annals of the Institute of Statistical Mathematics*, 14(1):63–71, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868624>.

Ikeda:1962:CKL

- [280] Sadao Ikeda. On characterization of the Kullback–Leibler mean information for continuous probability distributions. *Annals of the Institute of Statistical Mathematics*, 14(1):73–79, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868625>.

Sibuya:1962:MGU

- [281] Masaaki Sibuya. A method for generating uniformly distributed points on  $N$ -dimensional spheres. *Annals of the Institute of Statistical Mathematics*, 14(1):81–85, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868626>.



Sibuya:1962:NUM

- [282] Masaaki Sibuya. A note on the use of median ranges. *Annals of the Institute of Statistical Mathematics*, 14(1):87–89, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868627>.

Pakshirajan:1962:NTP

- [283] R. P. Pakshirajan and S. S. Chitgopekar. A note on a test procedure with a sample from a normal population when an upper bound to the standard deviation is known. *Annals of the Institute of Statistical Mathematics*, 14(1):91–93, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868628>.

Khatri:1962:IBI

- [284] C. G. Khatri and S. M. Shah. An inequality for balanced incomplete block design. *Annals of the Institute of Statistical Mathematics*, 14(1):95–96, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02868629>.

Taga:1962:OLT

- [285] Yasushi Taga. On the optimal life test procedures based on a cost model. *Annals of the Institute of Statistical Mathematics*, 14(1):97–106, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868630>.

Ikeda:1962:NCC

- [286] Sadao Ikeda. Necessary conditions for the convergence of Kullback–Leibler’s mean information. *Annals of the Institute of Statistical Mathematics*, 14(1):107–118, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868631>.

Sen:1962:SNP

- [287] P. K. Sen. On Studentized non-parametric multi-sample location tests. *Annals of the Institute of Statistical Mathematics*, 14(1):119–131, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868632>.

Khatri:1962:FPG

- [288] C. G. Khatri. A fitting procedure for a generalised binomial distribution. *Annals of the Institute of Statistical Mathematics*, 14(1):133–141, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868633>.

Rao:1962:ERE

- [289] J. N. K. Rao. On the estimation of the relative efficiency of sampling procedures. *Annals of the Institute of Statistical Mathematics*, 14(1):143–150, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868634>.



**Bennett:1962:HTI**

- [290] B. M. Bennett. On a heuristic treatment of the ‘indices of dispersion’. *Annals of the Institute of Statistical Mathematics*, 14(1):151–157, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868635>.

**Sibuya:1962:FCN**

- [291] Masaaki Sibuya. Further consideration on normal random variable generator. *Annals of the Institute of Statistical Mathematics*, 14(1):159–165, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868636>.

**Khatri:1962:DOS**

- [292] C. G. Khatri. Distributions of order statistics for discrete case. *Annals of the Institute of Statistical Mathematics*, 14(1):167–171, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868637>.

**Shimizu:1962:CND**

- [293] Ryoichi Shimizu. Characterization of the normal distribution II. *Annals of the Institute of Statistical Mathematics*, 14(1):173–178, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868638>.

**Patil:1962:CPG**

- [294] G. P. Patil. Certain properties of the generalized power series distribu-

tion II. *Annals of the Institute of Statistical Mathematics*, 14(1):179–182, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868639>.

**Menon:1962:ISC**

- [295] M. V. Menon. An implication of stochastic convergence. *Annals of the Institute of Statistical Mathematics*, 14(1):183–184, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02868640>.

**Isii:1962:STT**

- [296] Keiiti Isii. On sharpness of Tchebycheff-type inequalities. *Annals of the Institute of Statistical Mathematics*, 14(1):185–197, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868641>.

**Gupta:1962:SRP**

- [297] Shanti S. Gupta. On a selection and ranking procedure for gamma populations. *Annals of the Institute of Statistical Mathematics*, 14(1):199–212, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868642>.

**Kshirsagar:1962:ENC**

- [298] A. M. Kshirsagar. Effect of non-centrality on the Bartlett decomposition of a Wishart matrix. *Annals of the Institute of Statistical Mathematics*, 14(1):217–228, December 1962. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868643>.

**Abbott:1962:TSE**

- [299] J. H. Abbott and J. I. Rosenblatt. Two stage estimation with one observation on the first stage. *Annals of the Institute of Statistical Mathematics*, 14(1):229–235, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868644>.

**John:1962:CS**

- [300] S. John. On classification by the statistics  $R$  and  $Z$ . *Annals of the Institute of Statistical Mathematics*, 14(1):237–246, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868645>.

**Jaiswal:1962:AVC**

- [301] M. C. Jaiswal. Asymptotic variances and covariances of the moment estimates of parameters of a truncated Pearson type III distribution. *Annals of the Institute of Statistical Mathematics*, 14(1):247–250, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868646>.

**Aoyama:1962:SRS**

- [302] Hirojiro Aoyama. Stratified random sampling with optimum allocation for multivariate population. *Annals of the Institute of Statistical Mathematics*, 14(1):251–258, December 1962. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868647>.

**Huzii:1962:SME**

- [303] Mituaki Huzii. On a simplified method of the estimation of the correlogram for a stationary Gaussian process. *Annals of the Institute of Statistical Mathematics*, 14(1):259–268, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868648>.

**Nisihira:1962:MSA**

- [304] Sigeki Nisihira. La mobilité sociale au Japon. (French) [Social mobility in Japan]. *Annals of the Institute of Statistical Mathematics*, 14(1):269–278, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868649>.

**Anonymous:1962:HC**

- [305] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 14(1):??, December 1962. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Taga:1963:LDM**

- [306] Yasushi Taga. On the limiting distributions in Markov renewal processes with finitely many states. *Annals of the Institute of Statistical Mathematics*, 15(1):1–10, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865897>.



**Rao:1963:DA**

- [307] M. M. Rao. Discriminant analysis. *Annals of the Institute of Statistical Mathematics*, 15(1):11–24, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865898>.

**Rao:1963:TIA**

- [308] P. V. Rao. The  $F$ -test in the intra-block analysis of a class of PBIB designs. *Annals of the Institute of Statistical Mathematics*, 15(1):25–36, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865899>.

**Bhattacharya:1963:BLT**

- [309] Samir Kumar Bhattacharya and Mahabaleshwara Holla. Bivariate life-testing models for two component systems. *Annals of the Institute of Statistical Mathematics*, 15(1):37–43, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865900>.

**Blum:1963:EQ**

- [310] J. R. Blum and Judah Rosenblatt. On estimating quantiles. *Annals of the Institute of Statistical Mathematics*, 15(1):45–50, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865901>.

**Kabe:1963:ESF**

- [311] D. G. Kabe. Estimation of a set of fixed variates for observed values

of dependent variates with normal multivariate regression models subjected to linear restrictions. *Annals of the Institute of Statistical Mathematics*, 15(1):51–59, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865902>.

**Sibuya:1963:RUE**

- [312] Masaaki Sibuya. Randomized unbiased estimation of restricted parameters. *Annals of the Institute of Statistical Mathematics*, 15(1):61–66, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865903>.

**Rao:1963:TSU**

- [313] J. N. K. Rao. On two systems of unequal probability sampling without replacement. *Annals of the Institute of Statistical Mathematics*, 15(1):67–72, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865904>.

**Takamatsu:1963:CSIA**

- [314] Shunro Takamatsu. On the come-and-stay interarrival time in a modified queueing system M/G/1. *Annals of the Institute of Statistical Mathematics*, 15(1):73–78, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865905>.



Konijn:1963:MIE

- [315] H. S. Konijn. Minimax interval estimates with a shortness criterion: A new formulation. *Annals of the Institute of Statistical Mathematics*, 15(1):79–81, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865906>.

Govindarajulu:1963:NII

- [316] Zakkula Govindarajulu and Yukio Suzuki. A note on an identity involving binomial coefficients. *Annals of the Institute of Statistical Mathematics*, 15(1):83–85, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865907>.

Ikeda:1963:AEP

- [317] Sadao Ikeda. Asymptotic equivalence of probability distributions with applications to some problems of asymptotic independence. *Annals of the Institute of Statistical Mathematics*, 15(1):87–116, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865908>.

Sen:1963:WRS

- [318] P. K. Sen. On weighted rank-sum tests for dispersion. *Annals of the Institute of Statistical Mathematics*, 15(1):117–135, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865909>.

Kendall:1963:ITL

- [319] David G. Kendall. Information theory and the limit-theorem for Markov chains and processes with a countable infinity of states. *Annals of the Institute of Statistical Mathematics*, 15(1):137–143, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865910>.

Shenton:1963:NBA

- [320] L. R. Shenton. A note on bounds for the asymptotic sampling variance of the maximum likelihood estimator of a parameter in the negative binomial distribution. *Annals of the Institute of Statistical Mathematics*, 15(1):145–151, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865911>.

Walsh:1963:BBP

- [321] John E. Walsh. Bounded probability properties of Kolmogorov–Smirnov and similar statistics for discrete data. *Annals of the Institute of Statistical Mathematics*, 15(1):153–158, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865912>.

Suzuki:1963:FT

- [322] Giitiro Suzuki. On a functional transform. *Annals of the Institute of Statistical Mathematics*, 15(1):159–165, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02865913>.

**Isii:1963:LTS**

- [323] Keiiti Isii. On a limit theorem for a stochastic process related to quantum biophysics of vision. *Annals of the Institute of Statistical Mathematics*, 15(1):167–175, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865914>.

**Weiss:1963:SBP**

- [324] Lionel Weiss. Sequential Bayes procedures which never observe more than a bounded number of observations. *Annals of the Institute of Statistical Mathematics*, 15(1):177–185, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865915>.

**Taga:1963:HOM**

- [325] Yasushi Taga. On high order moments of the number of renewals. *Annals of the Institute of Statistical Mathematics*, 15(1):187–196, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865916>.

**Clark:1963:SEM**

- [326] Charles E. Clark. Sampling efficiency in Monte Carlo analyses. *Annals of the Institute of Statistical Mathematics*, 15(1):197–206, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865917>.

**Takamatsu:1963:CS Ib**

- [327] Shunro Takamatsu. On the come-and-stay interarrival time in a modified queueing system GI/M/1. *Annals of the Institute of Statistical Mathematics*, 15(1):207–213, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865918>.

**Seshadri:1963:CBD**

- [328] V. Seshadri and G. P. Patil. A characterization of a bivariate distribution by the marginal and the conditional distributions of the same component. *Annals of the Institute of Statistical Mathematics*, 15(1):215–221, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02865919>.

**Anonymous:1963:HC**

- [329] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 15(1):??, December 1963. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Anscombe:1964:NLF**

- [330] F. J. Anscombe. Normal likelihood functions. *Annals of the Institute of Statistical Mathematics*, 16(1):1–19, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868558>.

**Arrow:1964:OCP**

- [331] Kenneth J. Arrow. Optimal capital policy, the cost of capital, and my-



opic decision rules. *Annals of the Institute of Statistical Mathematics*, 16(1):21–30, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868559>.

**Chernoff:1964:EM**

- [332] Herman Chernoff. Estimation of the mode. *Annals of the Institute of Statistical Mathematics*, 16(1):31–41, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868560>.

**Cochran:1964:CTM**

- [333] William G. Cochran. Comparison of two methods of handling covariates in discriminatory analysis. *Annals of the Institute of Statistical Mathematics*, 16(1):43–53, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868561>.

**Connor:1964:MER**

- [334] W. S. Connor and Gertrude M. Cox. Methodology for estimating reliability. *Annals of the Institute of Statistical Mathematics*, 16(1):55–67, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868562>.

**Guttman:1964:DTD**

- [335] Louis Guttman. Deviation theory for dichotomies. *Annals of the Institute of Statistical Mathematics*, 16(1):69–78, December 1964. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868563>.

**Klefer:1964:OEIa**

- [336] J. Klefer and J. Wolfowitz. Optimum extrapolation and interpolation designs, I. *Annals of the Institute of Statistical Mathematics*, 16(1):79–108, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868564>.

**Moran:1964:RCS**

- [337] P. A. P. Moran. On the range of cumulative sums. *Annals of the Institute of Statistical Mathematics*, 16(1):109–112, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868565>.

**Nisihira:1964:LPJa**

- [338] Sigeki Nisihira. L’opinion publique des japonais au milieu du vingtième siècle. (French) [Japanese public opinion in the Twentieth Century]. *Annals of the Institute of Statistical Mathematics*, 16(1):113–128, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868566>.

**Renyi:1964:EPP**

- [339] Alfréd Rényi. On an extremal property of the Poisson process. *Annals of the Institute of Statistical Mathematics*, 16(1):129–133, December 1964. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868567>.

**Slotani:1964:TRM**

- [340] Minoru Slotani. Tolerance regions for a multivariate normal population. *Annals of the Institute of Statistical Mathematics*, 16(1):135–153, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868568>.

**Stein:1964:IUE**

- [341] Charles Stein. Inadmissibility of the usual estimator for the variance of a normal distribution with unknown mean. *Annals of the Institute of Statistical Mathematics*, 16(1):155–160, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868569>.

**Suzuki:1964:USE**

- [342] Yukio Suzuki. On the use of some extraneous information in the estimation of the coefficients of regression. *Annals of the Institute of Statistical Mathematics*, 16(1):161–173, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868570>.

**Aoyama:1964:AND**

- [343] Hirojiro Aoyama. On an analysis of natural disaster on the railway. *Annals of the Institute of Statistical Mathematics*, 16(1):175–184, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02868571>.

**Barankin:1964:PE**

- [344] Edward W. Barankin. Probability and the east. *Annals of the Institute of Statistical Mathematics*, 16(1):185–230, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868572>.

**Hayashi:1964:MQD**

- [345] Chikio Hayashi. Multidimensional quantification of the data obtained by the method of paired comparison. *Annals of the Institute of Statistical Mathematics*, 16(1):231–245, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868573>. See corrections [481].

**Hudimoto:1964:DFT**

- [346] Hiroshi Hudimoto. On a distribution-free two-way classification. *Annals of the Institute of Statistical Mathematics*, 16(1):247–253, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868574>.

**Isida:1964:SFS**

- [347] Masatugu Isida. 10,000 spots forest survey. *Annals of the Institute of Statistical Mathematics*, 16(1):255–276, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868575>.



Isii:1964:ITC

- [348] Keiiti Isii. Inequalities of the types of Chebyshev and Cramér–Rao and mathematical programming. *Annals of the Institute of Statistical Mathematics*, 16(1):277–293, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868576>.

Klefer:1964:OEIb

- [349] J. Klefer and J. Wolfowitz. Optimum extrapolation and interpolation designs II. *Annals of the Institute of Statistical Mathematics*, 16(1):295–303, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868577>.

Matusita:1964:DDR

- [350] Kameo Matusita. Distance and decision rules. *Annals of the Institute of Statistical Mathematics*, 16(1):305–315, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868578>.

Motoo:1964:SAF

- [351] Minoru Motoo. The sweeping-out of additive functionals and processes on the boundary. *Annals of the Institute of Statistical Mathematics*, 16(1):317–345, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868579>.

Nisihira:1964:LPJb

- [352] Sigeki Nisihira. L’opinion publique des japonais, II au milieu du vingtième siècle. (French) [Japanese public opinion in the Twentieth Century, II]. *Annals of the Institute of Statistical Mathematics*, 16(1):347–367, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868580>.

Ogawa:1964:ADL

- [353] Junjiro Ogawa and Sadao Ikeda. On the asymptotic distribution of the likelihood ratio under the regularity conditions due to Doob. *Annals of the Institute of Statistical Mathematics*, 16(1):369–385, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868581>.

Skimizu:1964:DID

- [354] Ryoichi Skimizu. On the decomposition of infinitely divisible characteristic functions with a continuous Poisson spectrum. *Annals of the Institute of Statistical Mathematics*, 16(1):387–407, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868582>.

Sibuya:1964:NMD

- [355] Masaaki Sibuya, Isao Yoshimura, and Ryoichi Shimizu. Negative multinomial distribution. *Annals of the Institute of Statistical Mathematics*, 16(1):409–426, December 1964. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868583>.

**Taga:1964:NDN**

- [356] Yasushi Taga. A note on the degree of normal approximation to the distribution function of the mean of samples from finite populations. *Annals of the Institute of Statistical Mathematics*, 16(1):427–430, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868584>.

**Uematu:1964:MLD**

- [357] Tosio Uematu. On a multidimensional linear discriminant function. *Annals of the Institute of Statistical Mathematics*, 16(1):431–437, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868585>.

**Anonymous:1964:HC**

- [358] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 16(1):??, December 1964. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Asano:1965:EMP**

- [359] Chooichiro Asano. On estimating multinomial probabilities by pooling incomplete samples. *Annals of the Institute of Statistical Mathematics*, 17(1):1–13, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868148>.

**Sukhatme:1965:CST**

- [360] B. V. Sukhatme and M. S. Avadhani. Controlled selection a technique in random sampling. *Annals of the Institute of Statistical Mathematics*, 17(1):15–28, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868149>.

**Patel:1965:EPT**

- [361] R. C. Patel. Estimates of parameters of truncated inverse Gaussian distribution. *Annals of the Institute of Statistical Mathematics*, 17(1):29–33, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868150>.

**Krishnaiah:1965:SAM**

- [362] P. R. Krishnaiah. On the simultaneous ANOVA and MANOVA tests. *Annals of the Institute of Statistical Mathematics*, 17(1):35–53, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868151>.

**Bennett:1965:MSR**

- [363] B. M. Bennett. On multivariate signed rank tests. *Annals of the Institute of Statistical Mathematics*, 17(1):55–61, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868152>.



Srivastava:1965:MEG

- [364] J. N. Srivastava. A multivariate extension of the Gauss–Markov theorem. *Annals of the Institute of Statistical Mathematics*, 17(1):63–66, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868153>.

Hayakawa:1965:THS

- [365] Takesi Hayakawa and D. G. Kabe. On testing the hypothesis that submatrices of the multivariate regression matrices of  $k$  populations are equal. *Annals of the Institute of Statistical Mathematics*, 17(1):67–73, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868154>.

Kabe:1965:NDR

- [366] D. G. Kabe. On the noncentral distribution of Rao’s  $U$  statistic. *Annals of the Institute of Statistical Mathematics*, 17(1):75–80, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868155>.

Swain:1965:LBP

- [367] A. K. P. C. Swain. A lower bound to the probability of variance ratio. *Annals of the Institute of Statistical Mathematics*, 17(1):81–84, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868156>.

Mardia:1965:TFO

- [368] K. V. Mardia. Tippett’s formulas and other results on sample range and extremes. *Annals of the Institute of Statistical Mathematics*, 17(1):85–91, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868157>.

Basu:1965:CED

- [369] A. P. Basu. On characterizing the exponential distribution by order statistics. *Annals of the Institute of Statistical Mathematics*, 17(1):93–96, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868158>.

Bhattacharya:1965:LTD

- [370] S. K. Bhattacharya and M. S. Holla. On a life test distribution with stochastic deviations in the mean. *Annals of the Institute of Statistical Mathematics*, 17(1):97–104, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868159>.

Taga:1965:OSP

- [371] Yasushi Taga. The optimal sampling procedure for estimating the mean of stationary Markov processes. *Annals of the Institute of Statistical Mathematics*, 17(1):105–112, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868160>.



Shimizu:1965:CCI

- [372] Ryoichi Shimizu. Certain class of infinitely divisible characteristic functions. *Annals of the Institute of Statistical Mathematics*, 17(1):115–132, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868161>.

Rao:1965:EDO

- [373] M. M. Rao. Existence and determination of optimal estimators relative to convex loss. *Annals of the Institute of Statistical Mathematics*, 17(1):133–147, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868162>.

Kusumoto:1965:NCE

- [374] Kumaichi Kusumoto. A necessary condition for the existence of regular and symmetrical PBIB designs of  $T_3$  type. *Annals of the Institute of Statistical Mathematics*, 17(1):149–165, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868163>.

Krishnaiah:1965:MGS

- [375] P. R. Krishnaiah. On a multivariate generalization of the simultaneous analysis of variance test. *Annals of the Institute of Statistical Mathematics*, 17(1):167–173, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868164>.

Khatrri:1965:NCB

- [376] C. G. Khatrri. A note on the confidence bounds for the characteristic roots of dispersion matrices of normal variates. *Annals of the Institute of Statistical Mathematics*, 17(1):175–183, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868165>.

Akaike:1965:SEF

- [377] Hirotugu Akaike. On the statistical estimation of the frequency response function of a system having multiple input. *Annals of the Institute of Statistical Mathematics*, 17(1):185–210, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868166>.

Krishnan:1965:TQA

- [378] T. Krishnan. Truncation in quantal assay. *Annals of the Institute of Statistical Mathematics*, 17(1):211–231, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868167>.

Sen:1965:SAP

- [379] P. K. Sen. On some asymptotic properties of a class of non-parametric tests based on the number of rare exceedances. *Annals of the Institute of Statistical Mathematics*, 17(1):233–255, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868168>.



**Takahasi:1965:NMB**

- [380] Koiti Takahasi. Note on the multivariate Burr's distribution. *Annals of the Institute of Statistical Mathematics*, 17(1):257–260, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868169>.

**Sugiura:1965:ETS**

- [381] Nariaki Sugiura. An example of the two-sided Wilcoxon test which is not unbiased. *Annals of the Institute of Statistical Mathematics*, 17(1):261–263, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868170>.

**Gould:1965:IIS**

- [382] H. W. Gould. An identity involving Stirling numbers. *Annals of the Institute of Statistical Mathematics*, 17(1):265–269, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868171>.

**Suzuki:1965:CEM**

- [383] Giitiro Suzuki. A consistent estimator for the mean deviation of the Pearson type distribution. *Annals of the Institute of Statistical Mathematics*, 17(1):271–285, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868172>.

**Kamat:1965:PMD**

- [384] A. R. Kamat. A property of the mean deviation (of some discrete distributions). *Annals of the Institute of Statistical Mathematics*, 17(1):287–293, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868173>.

**Ikeda:1965:BVY**

- [385] Sadao Ikeda. On Bouman–Velden–Yamamoto's asymptotic evaluation formula for the probability of visual response in a certain experimental research in quantum-biophysics of vision. *Annals of the Institute of Statistical Mathematics*, 17(1):295–310, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868174>.

**Hanson:1965:ICM**

- [386] M. A. Hanson. Inequality constrained maximum likelihood estimation. *Annals of the Institute of Statistical Mathematics*, 17(1):311–321, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868175>.

**Puri:1965:STH**

- [387] Madan L. Puri. On some tests of homogeneity of variances. *Annals of the Institute of Statistical Mathematics*, 17(1):323–330, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868176>.



**Asano:1965:RTC**

- [388] Chooichiro Asano. Runs test for a circular distribution and a table of probabilities. *Annals of the Institute of Statistical Mathematics*, 17(1):331–346, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868177>.

**Kshirsagar:1965:GFT**

- [389] A. M. Kshirsagar and R. P. Gupta. The goodness of fit of two (or more) hypothetical principal components. *Annals of the Institute of Statistical Mathematics*, 17(1):347–356, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868178>.

**Hocking:1965:DPL**

- [390] R. R. Hocking. The distribution of a projected least squares estimator. *Annals of the Institute of Statistical Mathematics*, 17(1):357–362, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868179>.

**Samanta:1965:NPO**

- [391] M. Samanta. A note on the problem of optimum truncation of a bivariate population in stratified random sampling. *Annals of the Institute of Statistical Mathematics*, 17(1):363–375, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868180>.

**Holla:1965:DCD**

- [392] M. S. Holla and S. K. Bhattacharya. On a discrete compound distribution. *Annals of the Institute of Statistical Mathematics*, 17(1):377–384, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868181>.

**Ninomija:1965:NMA**

- [393] Satoki Ninomija. Über eine numerische Methode zur Auflösung der komplexen Gleichungen. (German) [On a numerical method for solution of complex equations]. *Annals of the Institute of Statistical Mathematics*, 17(1):385–398, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02868182>.

**Anonymous:1965:HC**

- [394] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 17(1):??, December 1965. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Kusama:1966:CBS**

- [395] Tokitake Kusama. On classes of Bayes solutions. *Annals of the Institute of Statistical Mathematics*, 18(1):1–11, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869512>.

**DeGroot:1966:OAO**

- [396] M. H. DeGroot. Optimal allocation of observations. *Annals of the In-*



*stitute of Statistical Mathematics*, 18 (1):13–28, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869513>.

**Suzuki:1966:GCT**

- [397] Giitiro Suzuki. On the Glivenko–Cantelli theorem. *Annals of the Institute of Statistical Mathematics*, 18 (1):29–37, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869514>. See corrections [429].

**Patil:1966:MVU**

- [398] G. P. Patil and J. K. Wani. Minimum variance unbiased estimation of the distribution function admitting a sufficient statistic. *Annals of the Institute of Statistical Mathematics*, 18 (1):39–47, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869515>.

**Shimizu:1966:RSS**

- [399] Ryoichi Shimizu. Remarks on sufficient statistics. *Annals of the Institute of Statistical Mathematics*, 18 (1):49–55, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869516>.

**Srivastava:1966:SEP**

- [400] J. N. Srivastava and R. C. Bose. Some economic partially balanced  $2^m$  fac-

torial fractions. *Annals of the Institute of Statistical Mathematics*, 18 (1):57–73, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869517>.

**Khatri:1966:NMM**

- [401] C. G. Khatri. A note on a MANOVA model applied to problems in growth curve. *Annals of the Institute of Statistical Mathematics*, 18(1):75–86, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869518>.

**Sen:1966:CSW**

- [402] P. K. Sen and Z. Govindarajulu. On a class of  $c$ -sample weighted rank-sum tests for location and scale. *Annals of the Institute of Statistical Mathematics*, 18(1):87–105, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869519>.

**Shah:1966:EPD**

- [403] S. M. Shah and M. C. Jaiswal. Estimation of parameters of doubly truncated normal distribution from first four sample moments. *Annals of the Institute of Statistical Mathematics*, 18(1):107–111, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869520>.

**Bland:1966:NSN**

- [404] R. P. Bland and D. B. Owen. A note on singular normal distributions.



*Annals of the Institute of Statistical Mathematics*, 18(1):113–116, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869521>.

**Rao:1966:CUR**

- [405] T. J. Rao. On certain unbiased ratio estimators. *Annals of the Institute of Statistical Mathematics*, 18(1):117–121, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869522>.

**Akaike:1966:NHO**

- [406] Hirotugu Akaike. Note on higher order spectra. *Annals of the Institute of Statistical Mathematics*, 18(1):123–126, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869523>.

**Suzuki:1966:DCD**

- [407] Giitiro Suzuki. Discrete compound decision problem. *Annals of the Institute of Statistical Mathematics*, 18(1):127–139, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869524>.

**Kusama:1966:RAD**

- [408] Tokitake Kusama. Remarks on admissibility of decision functions. *Annals of the Institute of Statistical Mathematics*, 18(1):141–148, December 1966. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869525>.

**Weiss:1966:APC**

- [409] Lionel Weiss. On the asymptotic power of Cramér–von Mises tests of fit. *Annals of the Institute of Statistical Mathematics*, 18(1):149–153, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869526>.

**Kaufman:1966:AEM**

- [410] S. Kaufman. Asymptotic efficiency of the maximum likelihood estimator. *Annals of the Institute of Statistical Mathematics*, 18(1):155–178, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869527>.

**Cacoullos:1966:EMD**

- [411] Theophilos Cacoullos. Estimation of a multivariate density. *Annals of the Institute of Statistical Mathematics*, 18(1):179–189, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869528>.

**Hayakawa:1966:DQF**

- [412] Takesi Hayakawa. On the distribution of a quadratic form in a multivariate normal sample. *Annals of the Institute of Statistical Mathematics*, 18(1):191–201, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869529>.



**Ruben:1966:SSV**

- [413] Harold Ruben. On the simultaneous stabilization of variances and covariances. *Annals of the Institute of Statistical Mathematics*, 18(1):203–210, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869530>.

**Bhat:1966:QGM**

- [414] U. N. Bhat. The queue  $gi/m/2$  with service rate depending on the number of busy servers. *Annals of the Institute of Statistical Mathematics*, 18(1):211–221, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869531>.

**Shanbhag:1966:CSN**

- [415] D. N. Shanbhag. On congestion systems with negative exponential desired service time distributions. *Annals of the Institute of Statistical Mathematics*, 18(1):223–228, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869532>.

**Suzuki:1966:SDP**

- [416] Yukio Suzuki. On sequential decision problems with delayed observations. *Annals of the Institute of Statistical Mathematics*, 18(1):229–267, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869533>. See corrections [455].

**Akaike:1966:UNG**

- [417] Hlrotugu Akaike. On the use of non-Gaussian process in the identification of a linear dynamic system. *Annals of the Institute of Statistical Mathematics*, 18(1):269–276, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869534>.

**Kambo:1966:EBB**

- [418] N. Singh Kambo and Samuel Kotz. On exponential bounds for binomial probabilities. *Annals of the Institute of Statistical Mathematics*, 18(1):277–287, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869535>.

**Cobb:1966:ALB**

- [419] E. B. Cobb and Bernard Harris. An asymptotic lower bound for the entropy of discrete populations with application to the estimation of entropy for approximately uniform populations. *Annals of the Institute of Statistical Mathematics*, 18(1):289–297, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869536>.

**Srivastava:1966:MSP**

- [420] M. S. Srivastava. On a multivariate slippage problem. I. *Annals of the Institute of Statistical Mathematics*, 18(1):299–305, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02869537>.

**Alam:1966:SMN**

- [421] Khurshed Alam and M. Haseeb Rizvi. Selection from multivariate normal populations. *Annals of the Institute of Statistical Mathematics*, 18(1):307–318, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869538>.

**Sen:1966:NSC**

- [422] Pranab Kumar Sen. On nonparametric simultaneous confidence regions and tests for the one criterion analysis of variance problem. *Annals of the Institute of Statistical Mathematics*, 18(1):319–336, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869539>.

**Chu:1966:QOE**

- [423] J. T. Chu and K. Ya'Cou. Quadratic order estimates and moments of normal order statistics. *Annals of the Institute of Statistical Mathematics*, 18(1):337–341, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869540>.

**Konijn:1966:NEC**

- [424] H. S. Konijn. Non-existence of consistent estimator sequences and unbiased estimators: a practical example. *Annals of the Institute of Statistical Mathematics*, 18(1):343–350, December 1966. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869541>.

**Blum:1966:SSP**

- [425] J. R. Blum and Judah Rosenblatt. On some statistical problems requiring purely sequential sampling schemes. *Annals of the Institute of Statistical Mathematics*, 18(1):351–355, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869542>.

**Dubey:1966:CPD**

- [426] Satya D. Dubey. Compound Pascal distributions. *Annals of the Institute of Statistical Mathematics*, 18(1):357–365, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869543>.

**Kabe:1966:DTD**

- [427] D. G. Kabe. Dirichlet's transformation and distributions of linear functions of ordered gamma variates. *Annals of the Institute of Statistical Mathematics*, 18(1):367–374, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869544>.

**Khatri:1966:NLS**

- [428] C. G. Khatri. A note on a large sample distribution of a transformed multiple correlation coefficient. *Annals of the Institute of Statistical Mathematics*, 18(1):375–380, December 1966. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02869545>.

**Suzuki:1966:CGC**

- [429] Giitiro Suzuki. Corrections to “On the Glivenko–Cantelli theorem”. *Annals of the Institute of Statistical Mathematics*, 18(1):381, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02869546>. See [397].

**Anonymous:1966:HC**

- [430] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 18(1):??, December 1966. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hayakawa:1967:DML**

- [431] Takesi Hayakawa. On the distribution of the maximum latent root of a positive definite symmetric random matrix. *Annals of the Institute of Statistical Mathematics*, 19(1):1–17, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911665>.

**Naik:1967:BRC**

- [432] Umesh D. Naik. Bayes rules for comparisons of scale parameters of certain distributions. *Annals of the Institute of Statistical Mathematics*, 19(1):19–37, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911666>.

**Kori:1967:RBM**

- [433] Tosiaki Kori. On the resolvent of a Brownian motion with drift. *Annals of the Institute of Statistical Mathematics*, 19(1):39–53, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911667>.

**Rao:1967:QMB**

- [434] S. Subba Rao. Queueing models with balking and reneging. *Annals of the Institute of Statistical Mathematics*, 19(1):55–71, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911668>.

**Kusumoto:1967:ASN**

- [435] Kumaichi Kusumoto. Association schemes of new types and necessary conditions for existence for regular and symmetrical PBIB designs with those association schemes. *Annals of the Institute of Statistical Mathematics*, 19(1):73–100, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911669>.

**Taga:1967:OSO**

- [436] Yasushi Taga. On optimum stratification for the objective variable based on concomitant variables using prior information. *Annals of the Institute of Statistical Mathematics*, 19(1):101–129, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911670>.



1007/BF02911670. See corrections [456].

**Chikkagoudar:1967:TPS**

- [437] M. S. Chikkagoudar. Two-phase sampling for PPS estimation. *Annals of the Institute of Statistical Mathematics*, 19(1):131–142, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911671>.

**Khatri:1967:MTT**

- [438] C. G. Khatri and K. C. S. Pillai. On the moments of traces of two matrices in multivariate analysis. *Annals of the Institute of Statistical Mathematics*, 19(1):143–156, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911672>.

**Gupta:1967:LRV**

- [439] R. P. Gupta. Latent roots and vectors of a Wishart matrix. *Annals of the Institute of Statistical Mathematics*, 19(1):157–165, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911673>.

**Pillai:1967:DSE**

- [440] K. C. Sreedharan Pillai and Arjun K. Gupta. On the distribution of the second elementary symmetric function of the roots of a matrix. *Annals of the Institute of Statistical Mathematics*, 19(1):167–179, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02911674>.

**Matusita:1967:NAS**

- [441] Kameo Matusita. On the notion of affinity of several distributions and some of its applications. *Annals of the Institute of Statistical Mathematics*, 19(1):181–192, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911675>.

**Weiss:1967:MPE**

- [442] L. Weiss and J. Wolfowitz. Maximum probability estimators. *Annals of the Institute of Statistical Mathematics*, 19(1):193–206, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911676>.

**Stigum:1967:DTA**

- [443] Bernt P. Stigum. A decision theoretic approach to time series analysis. *Annals of the Institute of Statistical Mathematics*, 19(1):207–243, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911677>.

**Siotani:1967:SAL**

- [444] Minoru Siotani. Some applications of Loewner's ordering on symmetric matrices. *Annals of the Institute of Statistical Mathematics*, 19(1):245–259, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911678>.



1007/BF02911678. See cancellation [482].

**Alam:1967:TSEa**

- [445] Khursheed Alam. A two-sample estimate of a common mean. *Annals of the Institute of Statistical Mathematics*, 19(1):261–270, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911679>.

**Alam:1967:TSEb**

- [446] Khursheed Alam. A two-sample estimate of the largest mean. *Annals of the Institute of Statistical Mathematics*, 19(1):271–283, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911680>.

**Puri:1967:CIO**

- [447] Madan L. Puri. Combining independent one-sample tests of significance. *Annals of the Institute of Statistical Mathematics*, 19(1):285–300, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911681>.

**Naik:1967:BUS**

- [448] Umesh D. Naik. On bilateral and unilateral statistics for tests concerning means of normal populations. *Annals of the Institute of Statistical Mathematics*, 19(1):301–312, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911682>.

**Ogawa:1967:NDS**

- [449] Junjiro Ogawa, Sadao Ikeda, and Motoyasu Ogasawara. On the null-distribution of the  $F$ -statistics for testing a ‘partial’ null-hypothesis in a randomized partially balanced incomplete block design with  $m$  associate classes under the Neyman model. *Annals of the Institute of Statistical Mathematics*, 19(1):313–330, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911683>.

**Das:1967:GDR**

- [450] M. N. Das and A. Dey. Group-divisible rotatable designs. *Annals of the Institute of Statistical Mathematics*, 19(1):331–347, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911684>. See corrections [497].

**Rao:1967:ETT**

- [451] P. V. Rao. The effect of truncation on the  $F$ -test for a class of PBIB designs. *Annals of the Institute of Statistical Mathematics*, 19(1):349–354, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911685>.

**Press:1967:SCB**

- [452] S. James Press. On the sample covariance from a bivariate normal distribution. *Annals of the Institute of Statistical Mathematics*, 19(1):355–361, December 1967. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911686>.

**Hayashi:1967:NMQ**

- [453] Chikio Hayashi. Note on multidimensional quantification of data obtained by paired comparison. *Annals of the Institute of Statistical Mathematics*, 19(1):363–365, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911687>.

**Dickey:1967:BHD**

- [454] James M. Dickey. A Bayesian hypothesis-decision procedure. *Annals of the Institute of Statistical Mathematics*, 19(1):367–369, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911688>.

**Suzuki:1967:CSD**

- [455] Yukio Suzuki. Corrections to “On sequential decision problems with delayed observations”. *Annals of the Institute of Statistical Mathematics*, 19(1):371, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02911689>. See [416].

**Taga:1967:COS**

- [456] Yasushi Taga. Corrections to “On optimum stratification for the objective variable based on concomitant variables using prior information”. *Annals of the Institute of Statis-*

*tical Mathematics*, 19(1):372, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02911690>. See [436].

**Suzuki:1967:EPS**

- [457] Giitiro Suzuki. On exact probabilities of some generalized Kolmogorov’s  $D$ -statistics. *Annals of the Institute of Statistical Mathematics*, 19(1):373–388, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911691>.

**Weiss:1967:SPC**

- [458] Lionel Weiss. Some properties of a class of tests of fit. *Annals of the Institute of Statistical Mathematics*, 19(1):389–399, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911692>.

**Ali:1967:BLE**

- [459] M. M. Ali and L. K. Chan. Ban linear estimates of the parameters of the normal distribution from censored samples. *Annals of the Institute of Statistical Mathematics*, 19(1):401–411, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911693>.

**Gupta:1967:UE**

- [460] Milan K. Gupta. Unbiased estimate for  $1/p$ . *Annals of the Institute of Statistical Mathematics*, 19(1):413–416, December 1967. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911694>.

**Srivastava:1967:EGM**

- [461] J. N. Srivastava. On the extension of Gauss–Markov theorem to complex multivariate linear models. *Annals of the Institute of Statistical Mathematics*, 19(1):417–437, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911695>.

**Nakajima:1967:MTR**

- [462] Nobuyuki Nakajima and Keiiti Isii. Multidimensional tolerance regions based on a large sample. *Annals of the Institute of Statistical Mathematics*, 19(1):439–449, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911696>.

**Sen:1967:SNG**

- [463] Pranab Kumar Sen. On some nonparametric generalizations of Wilks’ tests for  $H_M$ ,  $H_{VC}$  and  $H_{MVC}$ , I. *Annals of the Institute of Statistical Mathematics*, 19(1):451–471, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911697>.

**Srivastava:1967:CMN**

- [464] M. S. Srivastava. Classification into multivariate normal populations when the population means are linearly restricted. *Annals of the Institute of Statistical Mathematics*, 19(1):

473–478, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911698>.

**Kazi:1967:KES**

- [465] Kimio Kazi. Kolmogorov’s  $\epsilon$ -entropy of some Gaussian processes. *Annals of the Institute of Statistical Mathematics*, 19(1):479–503, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911699>.

**Smith:1967:CTB**

- [466] Armand V. Smith. Comparison of two Bernoulli processes by multiple stage sampling using Bayesian decision theory. *Annals of the Institute of Statistical Mathematics*, 19(1):505–518, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911700>.

**Gibbons:1967:CCB**

- [467] Jean D. Gibbons. Correlation coefficients between nonparametric tests for location and scale. *Annals of the Institute of Statistical Mathematics*, 19(1):519–526, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911701>.

**Neuts:1967:MDW**

- [468] M. F. Neuts and S. Zacks. On mixtures of  $\chi^2$ - and  $F$ -distributions which yield distributions of the same family. *Annals of the Institute of Statis-*



*tical Mathematics*, 19(1):527–536, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911702>.

**Meyer:1967:NSP**

- [469] Paul L. Meyer. A note on the sum of Poisson probabilities and an application. *Annals of the Institute of Statistical Mathematics*, 19(1):537–542, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911703>.

**Anonymous:1967:HC**

- [470] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 19(1):??, December 1967. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Takahasi:1968:UEP**

- [471] Koiti Takahasi and Kazumasa Wakimoto. On unbiased estimates of the population mean based on the sample stratified by means of ordering. *Annals of the Institute of Statistical Mathematics*, 20(1):1–31, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911622>.

**Ishii:1968:MIP**

- [472] Goro Ishii. Minimax invariant prediction regions. *Annals of the Institute of Statistical Mathematics*, 20(1):33–53, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911623>.

**Akaike:1968:UIB**

- [473] Hirotugu Akaike. On the use of an index of bias in the estimation of power spectra. *Annals of the Institute of Statistical Mathematics*, 20(1):55–69, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911624>.

**Suzuki:1968:TCH**

- [474] Yukio Suzuki. On testing certain hypotheses. *Annals of the Institute of Statistical Mathematics*, 20(1):71–78, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911625>.

**Bartlett:1968:SDF**

- [475] Noel S. Bartlett and Zakkula Govindarajulu. Some distribution-free statistics and their application to the selection problem. *Annals of the Institute of Statistical Mathematics*, 20(1):79–97, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911626>.

**Puri:1968:MSS**

- [476] Madan L. Puri. Multi-sample scale problem: Unknown location parameters. *Annals of the Institute of Statistical Mathematics*, 20(1):99–106, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911627>.



**Taguchi:1968:CCM**

- [477] Tokio Taguchi. Concentration-curve methods and structures of skew populations. *Annals of the Institute of Statistical Mathematics*, 20(1):107–141, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911628>.

**Khatri:1968:NEM**

- [478] C. G. Khatri. A note on exact moments of ARC sine correlation coefficient with the help of characteristic function. *Annals of the Institute of Statistical Mathematics*, 20(1):143–149, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911629>.

**Holla:1968:DDP**

- [479] M. S. Holla. Discrete distributions with prior information. *Annals of the Institute of Statistical Mathematics*, 20(1):151–157, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911630>.

**Rao:1968:ASS**

- [480] T. J. Rao. On the allocation of sample size in stratified sampling. *Annals of the Institute of Statistical Mathematics*, 20(1):159–166, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911631>.

**Hayashi:1968:CMQ**

- [481] Chikio Hayashi. Corrections to “Multi-dimensional quantification of the data obtained by the method of paired comparison”. *Annals of the Institute of Statistical Mathematics*, 20(1):167, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02911632>. See [345].

**Siotani:1968:CSS**

- [482] Minoru Siotani. Cancellation of section 5 of “Some applications of Loewner’s ordering on symmetric matrices”. *Annals of the Institute of Statistical Mathematics*, 20(1):168, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02911633>. See [444].

**Hudimoto:1968:EBP**

- [483] Hiroshi Hudimoto. On the empirical Bayes procedure. *Annals of the Institute of Statistical Mathematics*, 20(1):169–185, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911634>. See corrections [536].

**Shimizu:1968:CFS**

- [484] Ryoichi Shimizu. Characteristic functions satisfying a functional equation (I). *Annals of the Institute of Statistical Mathematics*, 20(1):187–209, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02911635>.

**Hayashi:1968:REB**

- [485] Chikio Hayashi. Response errors and biased information. *Annals of the Institute of Statistical Mathematics*, 20(1):211–228, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911636>.

**Govindarajulu:1968:DFC**

- [486] Zakkula Govindarajulu. Distribution-free confidence bounds for  $P(X < Y)$ . *Annals of the Institute of Statistical Mathematics*, 20(1):229–238, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911637>.

**Bhattacharjee:1968:NNH**

- [487] G. P. Bhattacharjee. Non-normality and heterogeneity in two sample  $t$ -test. *Annals of the Institute of Statistical Mathematics*, 20(1):239–254, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911638>.

**Gokhale:1968:ARE**

- [488] D. V. Gokhale. On asymptotic relative efficiencies of a class of rank tests for independence of two variables. *Annals of the Institute of Statistical Mathematics*, 20(1):255–261, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911639>.

**Broemeling:1968:IOC**

- [489] L. D. Broemeling and H. O. Hartley. Investigations of the optimality of a confidence region for the parameters of a non-linear regression model. *Annals of the Institute of Statistical Mathematics*, 20(1):263–269, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911640>.

**Akaike:1968:LFP**

- [490] Hirotugu Akaike. Low pass filter design. *Annals of the Institute of Statistical Mathematics*, 20(1):271–297, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911641>.

**Bhattacharyya:1968:REL**

- [491] G. K. Bhattacharyya. Robust estimates of linear trend in multivariate time series. *Annals of the Institute of Statistical Mathematics*, 20(1):299–310, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911642>.

**Rao:1968:PLL**

- [492] B. L. S. Prakasa Rao and Herman Rubin. A property of the log-likelihood-ratio process for Gaussian processes. *Annals of the Institute of Statistical Mathematics*, 20(1):311–314, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911643>.



**Heyde:1968:GRW**

- [493] C. C. Heyde. On the growth of a random walk. *Annals of the Institute of Statistical Mathematics*, 20(1):315–321, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911644>.

**Griego:1968:NPC**

- [494] R. J. Griego. A note on projections of continuous additive functionals. *Annals of the Institute of Statistical Mathematics*, 20(1):323–326, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911645>.

**Dharmadhikari:1968:URC**

- [495] S. W. Dharmadhikari. A uniqueness result for compound normal and compound exponential distributions. *Annals of the Institute of Statistical Mathematics*, 20(1):327–329, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911646>.

**Holla:1968:CGD**

- [496] M. S. Holla and S. K. Bhattacharya. On a compound Gaussian distribution. *Annals of the Institute of Statistical Mathematics*, 20(1):331–336, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911647>.

**Das:1968:CGD**

- [497] M. N. Das and A. Dey. Corrections to “Group divisible rotatable designs”. *Annals of the Institute of Statistical Mathematics*, 20(1):337, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02911648>. See [450].

**Ikeda:1968:AER**

- [498] Sadao Ikeda. Asymptotic equivalence of real probability distributions. *Annals of the Institute of Statistical Mathematics*, 20(1):339–362, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911649>.

**Godambe:1968:BSS**

- [499] V. P. Godambe. Bayesian sufficiency in survey-sampling. *Annals of the Institute of Statistical Mathematics*, 20(1):363–373, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911650>.

**Bhattacharya:1968:BAC**

- [500] S. K. Bhattacharya. Bayes approach to compound distributions arising from truncated mixing densities. *Annals of the Institute of Statistical Mathematics*, 20(1):375–381, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911651>.



Laha:1968:PWP

- [501] R. G. Laha and E. Lukacs. On a property of the Wiener process. *Annals of the Institute of Statistical Mathematics*, 20(1):383–389, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911652>.

Imai:1968:NLL

- [502] Haruo Imai. Notes on a local limit theorem for discrete time Galton–Watson branching processes. *Annals of the Institute of Statistical Mathematics*, 20(1):391–410, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911653>.

Moore:1968:ETD

- [503] Erin H. Moore and Ronald Pyke. Estimation of the transition distributions of a Markov renewal process. *Annals of the Institute of Statistical Mathematics*, 20(1):411–424, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911654>.

Akaike:1968:ULM

- [504] Hirotugu Akaike. On the use of a linear model for the identification of feedback systems. *Annals of the Institute of Statistical Mathematics*, 20(1):425–439, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911655>.

Talukder:1968:MRE

- [505] Anwar Hossain Talukder. Multivariate regression estimates for finite populations. *Annals of the Institute of Statistical Mathematics*, 20(1):441–455, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911656>.

Roy:1968:EGL

- [506] A. R. Roy and V. K. Srivastava. On the estimation of generalized linear probability model involving discrete random variables. *Annals of the Institute of Statistical Mathematics*, 20(1):457–467, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911657>.

Kshirsagar:1968:ABI

- [507] A. M. Kshirsagar and P. S. Simha. Analysis of a balanced incomplete two-way design. *Annals of the Institute of Statistical Mathematics*, 20(1):469–476, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911658>.

Dey:1968:GDR

- [508] A. Dey and A. K. Nigam. Group divisible rotatable designs—some further considerations. *Annals of the Institute of Statistical Mathematics*, 20(1):477–481, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911659>.



**Rao:1968:NSM**

- [509] P. V. Rao. A note on a  $k$ -sample model of Conover. *Annals of the Institute of Statistical Mathematics*, 20(1):483–487, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911660>.

**Chu:1968:SSM**

- [510] J. T. Chu. Some statistical methods for large scale and preliminary data analyses. *Annals of the Institute of Statistical Mathematics*, 20(1):489–499, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911661>.

**Rohatgi:1968:RCR**

- [511] V. K. Rohatgi. On the rate of convergence of the range of cumulative sums. *Annals of the Institute of Statistical Mathematics*, 20(1):501–503, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911662>.

**Sugiura:1968:NCI**

- [512] Nariaki Sugiura and Masanori Ôtake. Numerical comparison of improved methods of testing in contingency tables with small frequencies. *Annals of the Institute of Statistical Mathematics*, 20(1):505–517, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911663>.

**Thomasson:1968:EPT**

- [513] R. L. Thomasson and C. H. Kapadia. On estimating the parameter of a truncated geometric distribution. *Annals of the Institute of Statistical Mathematics*, 20(1):519–523, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02911664>.

**Anonymous:1968:HC**

- [514] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 20(1):??, December 1968. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hayakawa:1969:DLR**

- [515] Takesi Hayakawa. On the distribution of the latent roots of a positive definite random symmetric matrix. I. *Annals of the Institute of Statistical Mathematics*, 21(1):1–21, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532228>.

**Khatri:1969:NCD**

- [516] C. G. Khatri. Non-central distributions of  $i$ -th largest characteristic roots of three matrices concerning complex multivariate normal populations. *Annals of the Institute of Statistical Mathematics*, 21(1):23–32, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532229>.



**Gleser:1969:TEM**

- [517] Leon Jay Gleser and Ingram Olkin. Testing for equality of means, equality of variances, and equality of covariances under restrictions upon the parameter space. *Annals of the Institute of Statistical Mathematics*, 21(1):33–48, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532230>.

**Pillai:1969:PCT**

- [518] K. C. Sreeharan Pillai and Charles O. Dotson. Power comparisons of tests of two multivariate hypotheses based on individual characteristic roots. *Annals of the Institute of Statistical Mathematics*, 21(1):49–66, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532231>.

**Asoh:1969:NNN**

- [519] Y. H. Asoh and Masashi Okamoto. A note on the non-null distribution of the Wilks statistic in MANOVA. *Annals of the Institute of Statistical Mathematics*, 21(1):67–71, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532232>.

**Roussas:1969:NEM**

- [520] George G. Roussas. Nonparametric estimation in Markov processes. *Annals of the Institute of Statistical Mathematics*, 21(1):73–87, 1969. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532233>.

**Uematu:1969:SMQ**

- [521] Tosio Uematu. On some model of queueing system with state-dependent service time distributions. *Annals of the Institute of Statistical Mathematics*, 21(1):89–106, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532234>.

**Choi:1969:EPF**

- [522] Keewhan Choi. Estimators for the parameters of a finite mixture of distributions. *Annals of the Institute of Statistical Mathematics*, 21(1):107–116, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532235>. See corrections [606].

**Choi:1969:EBP**

- [523] Keewhan Choi. Empirical Bayes procedure for (pattern) classification with stochastic learning. *Annals of the Institute of Statistical Mathematics*, 21(1):117–125, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532236>. See [607].

**Jaiswal:1969:PFL**

- [524] M. C. Jaiswal and C. G. Khatri. Power function of the likelihood ratio test when range depends upon the parameter. *Annals of the Institute of*



*Statistical Mathematics*, 21(1):127–136, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532237>.

**Khatri:1969:TEP**

- [525] C. G. Khatri and M. C. Jaiswal. On testing the equality of parameters in  $k$  triangular populations with unequal observations. *Annals of the Institute of Statistical Mathematics*, 21(1):137–148, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532238>.

**Guttman:1969:PBP**

- [526] Irwin Guttman and Roy C. Milton. Procedures for a best population problem when the criterion of bestness involves a fixed tolerance region. *Annals of the Institute of Statistical Mathematics*, 21(1):149–161, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532239>.

**Puri:1969:ATR**

- [527] Madan Lal Puri and Pranab Kumar Sen. On the asymptotic theory of rank order tests for experiments involving paired comparisons. *Annals of the Institute of Statistical Mathematics*, 21(1):163–173, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532240>.

**Matubara:1969:EPM**

- [528] Nozomu Matubara. On ergodic probability measures. *Annals of the In-*

*stitute of Statistical Mathematics*, 21(1):175–183, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532241>.

**Kubokawa:1969:FII**

- [529] Yoshihiro Kubokawa. Finite and infinite invariant measures for a measurable transformation. *Annals of the Institute of Statistical Mathematics*, 21(1):185–193, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532242>.

**Kubokawa:1969:RFI**

- [530] Yoshihiro Kubokawa. Remarks on finite invariant measures for one-parameter group of measurable transformations. *Annals of the Institute of Statistical Mathematics*, 21(1):195–200, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532243>.

**Kotz:1969:DPQ**

- [531] Samuel Kotz and R. Srinivasan. Distribution of product and quotient of Bessel function variates. *Annals of the Institute of Statistical Mathematics*, 21(1):201–210, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532244>.

**Blum:1969:FPE**

- [532] J. R. Blum and Judah Rosenblatt. Fixed precision estimation in the class



of IFR distribution. *Annals of the Institute of Statistical Mathematics*, 21(1):211–213, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532245>.

**Brillinger:1969:CCC**

- [533] David R. Brillinger. The calculation of cumulants via conditioning. *Annals of the Institute of Statistical Mathematics*, 21(1):215–218, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532246>.

**Krafft:1969:NEB**

- [534] Olaf Krafft. A note on exponential bounds for binomial probabilities. *Annals of the Institute of Statistical Mathematics*, 21(1):219–220, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02532247>.

**Hayakawa:1969:DML**

- [535] Takesi Hayakawa. On the distribution of the maximum latent root of a positive definite symmetric random matrix. *Annals of the Institute of Statistical Mathematics*, 21(1):221, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02532248>.

**Hudimoto:1969:CEB**

- [536] Hiroshi Hudimoto. Corrections to “On the empirical Bayes procedure

(1)”. *Annals of the Institute of Statistical Mathematics*, 21(1):223, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02532249>. See [483].

**Akaike:1969:MSI**

- [537] Hirotugu Akaike. A method of statistical identification of discrete time parameter linear systems. *Annals of the Institute of Statistical Mathematics*, 21(1):225–242, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532250>.

**Akaike:1969:FAM**

- [538] Hirotugu Akaike. Fitting autoregressive models for prediction. *Annals of the Institute of Statistical Mathematics*, 21(1):243–247, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532251>.

**Takahasi:1969:EPM**

- [539] Koiti Takahasi. On the estimation of the population mean based on ordered samples from an equicorrelated multivariate distribution. *Annals of the Institute of Statistical Mathematics*, 21(1):249–255, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532252>.

**Weiss:1969:AJD**

- [540] Lionel Weiss. The asymptotic joint distribution of an increasing number of



sample quantiles. *Annals of the Institute of Statistical Mathematics*, 21 (1):257–263, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532253>.

**Saxena:1969:MRO**

- [541] K. M. Lal Saxena and I. R. Savage. Monotonicity of rank order likelihood ratio. *Annals of the Institute of Statistical Mathematics*, 21(1):265–275, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532254>.

**Mudholkar:1969:GMC**

- [542] Govind S. Mudholkar. A generalized monotone character of d.f.'s and moments of statistics from some well-known populations. *Annals of the Institute of Statistical Mathematics*, 21 (1):277–285, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532255>.

**Walsh:1969:AIB**

- [543] John E. Walsh. Asymptotic independence between largest and smallest of a set of independent observations. *Annals of the Institute of Statistical Mathematics*, 21(1):287–289, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532256>.

**Zidek:1969:RBI**

- [544] James V. Zidek. A representation of Bayes invariant procedures in terms

of Haar measure. *Annals of the Institute of Statistical Mathematics*, 21 (1):291–308, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532257>.

**Pillai:1969:MES**

- [545] K. C. Sreedharan Pillai and Gary M. Jouris. On the moments of elementary symmetric functions of the roots of two matrices. *Annals of the Institute of Statistical Mathematics*, 21(1):309–320, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532258>.

**Pillai:1969:NCD**

- [546] K. C. S. Pillai and T. Sugiyama. Non-central distributions of the largest latent roots of three matrices in multivariate analysis. *Annals of the Institute of Statistical Mathematics*, 21 (1):321–327, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532259>.

**Sen:1969:NMM**

- [547] Pranab Kumar Sen. On nonparametric  $T$ -method of multiple comparisons for randomized blocks. *Annals of the Institute of Statistical Mathematics*, 21 (1):329–333, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532260>.



**Raktoe:1969:SNO**

- [548] B. L. Raktoe and W. T. Federer. Some non-orthogonal unsaturated main effect and resolution  $V$  plans derived from a one-restrictional lattice. *Annals of the Institute of Statistical Mathematics*, 21(1):335–342, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532261>.

**Dey:1969:NWD**

- [549] A. Dey. A note on weighing designs. *Annals of the Institute of Statistical Mathematics*, 21(1):343–346, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532262>.

**Kazi:1969:EDP**

- [550] Kimio Kazi. On the  $\epsilon$ -entropy of diffusion processes. *Annals of the Institute of Statistical Mathematics*, 21(1):347–356, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532263>.

**Makino:1969:IMW**

- [551] Toji Makino. Investigation of the mean waiting time for queueing system with many servers. *Annals of the Institute of Statistical Mathematics*, 21(1):357–366, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532264>.

**Shanbhag:1969:QSS**

- [552] D. N. Shanbhag. A queueing system with several types of customers. *Annals of the Institute of Statistical Mathematics*, 21(1):367–371, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532265>.

**Gun:1969:SLP**

- [553] A. M. Gun. On the significance level of preliminary tests in some “TE” procedures. *Annals of the Institute of Statistical Mathematics*, 21(1):373–376, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532266>.

**Inada:1969:SMG**

- [554] Ken ichi Inada. On the stability of multisectoral growth equilibrium. *Annals of the Institute of Statistical Mathematics*, 21(1):377–390, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532267>.

**Shimizu:1969:CFS**

- [555] Ryoichi Shimizu. Characteristic functions satisfying a functional equation (II). *Annals of the Institute of Statistical Mathematics*, 21(1):391–405, 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532268>. See corrections [588].



**Akaike:1969:PSE**

- [556] Hirotugu Akaike. Power spectrum estimation through autoregressive model fitting. *Annals of the Institute of Statistical Mathematics*, 21(1):407–419, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532269>.

**Barankin:1969:TMG**

- [557] Edward W. Barankin. Toward the mathematics of a general theory of behavior, 1. The lattice <sub>0</sub>[Hebrew letter tsade]. *Annals of the Institute of Statistical Mathematics*, 21(1):421–456, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532270>.

**Alam:1969:LAR**

- [558] Khursheed Alam and James R. Thompson. Locally averaged risk. *Annals of the Institute of Statistical Mathematics*, 21(1):457–469, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532271>.

**Ishii:1969:OUP**

- [559] Goro Ishii. Optimality of unbiased predictors. *Annals of the Institute of Statistical Mathematics*, 21(1):471–488, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532272>.

**Yanagimoto:1969:POP**

- [560] Takemi Yanagimoto and Masashi Okamoto. Partial orderings of permutations and monotonicity of a rank correlation statistic. *Annals of the Institute of Statistical Mathematics*, 21(1):489–506, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532273>.

**Srivastava:1969:COH**

- [561] J. N. Srivastava and L. L. McDonald. On the costwise optimality of hierarchical multiresponse randomized block designs under the trace criterion. *Annals of the Institute of Statistical Mathematics*, 21(1):507–514, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532274>.

**Singh:1969:OS**

- [562] Ravindra Singh and B. V. Sukhatme. Optimum stratification. *Annals of the Institute of Statistical Mathematics*, 21(1):515–528, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532275>.

**Pakshirajan:1969:CNL**

- [563] R. P. Pakshirajan and N. R. Mohan. A characterization of the normal law. *Annals of the Institute of Statistical Mathematics*, 21(1):529–532, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532276>.



Ikeda:1969:RIT

- [564] Sadao Ikeda. A remark on the incomparability of two criteria for a uniform convergence of probability measures. *Annals of the Institute of Statistical Mathematics*, 21(1):533–536, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532277>.

Kubokawa:1969:BMT

- [565] Yoshihiro Kubokawa. Boundedness of a measurable transformation and a weakly wandering set. *Annals of the Institute of Statistical Mathematics*, 21(1):537–540, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532278>.

Skibinsky:1969:SKR

- [566] Morris Skibinsky. Some known results concerning zero-one sets. *Annals of the Institute of Statistical Mathematics*, 21(1):541–545, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532279>.

Lientz:1969:NLD

- [567] B. P. Lientz. A note on limiting distributions of some Rényi-type statistics. *Annals of the Institute of Statistical Mathematics*, 21(1):547–550, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532280>.

Kabe:1969:SDP

- [568] D. G. Kabe. Some distribution problems of order statistics from discrete populations. *Annals of the Institute of Statistical Mathematics*, 21(1):551–556, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532281>.

Anonymous:1969:HC

- [569] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 21(1):??, ??? 1969. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

Matusita:1970:ZS

- [570] Kameo Matusita. Zyoiti Suetuna, 1898–1970. *Annals of the Institute of Statistical Mathematics*, 22(1):v–vi, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02506317>.

Inagaki:1970:LDS

- [571] Nobuo Inagaki. On the limiting distribution of a sequence of estimators with uniformity property. *Annals of the Institute of Statistical Mathematics*, 22(1):1–13, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506318>.

Wakimoto:1970:UEPa

- [572] Kazumasa Wakimoto. On unbiased estimation of the population variance based on the stratified random sample. *Annals of the Institute of Sta-*



*tistical Mathematics*, 22(1):15–26, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506319>. See correction [609].

**Zacks:1970:BEE**

- [573] S. Zacks. Bayes equivariant estimators of variance components. *Annals of the Institute of Statistical Mathematics*, 22(1):27–40, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506320>.

**Moore:1970:ANE**

- [574] D. S. Moore. Asymptotically nearly efficient procedures for bivariate location parameters. *Annals of the Institute of Statistical Mathematics*, 22(1):41–49, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506321>.

**Ghosh:1970:ERS**

- [575] J. K. Ghosh and Rajinder Singh. Estimation of the reciprocal of scale parameter of a gamma density. *Annals of the Institute of Statistical Mathematics*, 22(1):51–55, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506322>.

**Yanagimoto:1970:MAR**

- [576] Takemi Yanagimoto. On measures of association and a related problem. *Annals of the Institute of Statistical Mathematics*, 22(1):57–63, 1970.

1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506323>.

**Hoel:1970:SMA**

- [577] David G. Hoel. Some modifications and applications of Wald's OC formula. *Annals of the Institute of Statistical Mathematics*, 22(1):65–75, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506324>.

**Davis:1970:FAD**

- [578] A. W. Davis. Further applications of a differential equation for Hotelling's generalized  $T_0^2$ . *Annals of the Institute of Statistical Mathematics*, 22(1):77–87, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506325>.

**Mathai:1970:EDV**

- [579] A. M. Mathai and P. N. Rathie. The exact distribution of Votaw's criteria. *Annals of the Institute of Statistical Mathematics*, 22(1):89–116, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506326>.

**Han:1970:DDF**

- [580] Chien-Pai Han. Distribution of discriminant function in circular models. *Annals of the Institute of Statistical Mathematics*, 22(1):117–125, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02506327>.

**Alam:1970:TSP**

- [581] Khursheed Alam. A two-sample procedure for selecting the population with the largest mean from  $k$  normal populations. *Annals of the Institute of Statistical Mathematics*, 22(1):127–136, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506328>.

**Smith:1970:CMT**

- [582] Armand V. Smith, Jr. Comparison of the means of two normal processes by multiple stage sampling using Bayesian decision theory. *Annals of the Institute of Statistical Mathematics*, 22(1):137–143, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506329>.

**Kulkarni:1970:LAM**

- [583] S. R. Kulkarni. Locally asymptotically most powerful tests about the effects of  $K$  treatments. *Annals of the Institute of Statistical Mathematics*, 22(1):145–158, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506330>. See comment [608].

**Saha:1970:NOM**

- [584] G. M. Saha and S. Mohanty. On non-orthogonal main effect plans for asymmetrical factorials. *Annals of the Institute of Statistical Mathematics*, 22(1):159–169, ??? 1970. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506331>.

**Sclove:1970:AML**

- [585] Stanley L. Sclove. Admissibility of the maximum likelihood estimator in the regression of two predictands on one predictor. *Annals of the Institute of Statistical Mathematics*, 22(1):171–174, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506332>.

**Asoo:1970:NES**

- [586] Yasuhiro Asoo. Note on the estimation of the standardized covariance matrix. *Annals of the Institute of Statistical Mathematics*, 22(1):175–179, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506333>.

**Shantaram:1970:LTC**

- [587] R. Shantaram and William L. Harkness. A limit theorem for a certain transform of sums of independent random variables. *Annals of the Institute of Statistical Mathematics*, 22(1):181–184, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506334>.

**Shimizu:1970:CCF**

- [588] Ryoichi Shimizu. Corrections to “Characteristic functions satisfying a functional equation (II)”. *Annals of the Institute of Statistical Mathematics*, 22



(1):185–186, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02506335>. See [555].

**Barankin:1970:TMG**

- [589] Edward W. Barankin. Toward the mathematics of a general theory of behavior, II. *Annals of the Institute of Statistical Mathematics*, 22(1):187–202, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506336>.

**Akaike:1970:SPI**

- [590] Hirotugu Akaike. Statistical predictor identification. *Annals of the Institute of Statistical Mathematics*, 22(1):203–217, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506337>.

**Akaike:1970:FRB**

- [591] Hirotugu Akaike. A fundamental relation between predictor identification and power spectrum estimation. *Annals of the Institute of Statistical Mathematics*, 22(1):219–223, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506338>.

**Weiss:1970:MPE**

- [592] L. Weiss and J. Wolfowitz. Maximum probability estimators and asymptotic sufficiency. *Annals of the Institute of Statistical Mathematics*, 22(1):225–244, 1970. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506339>.

**Shimizu:1970:DPA**

- [593] Ryoichi Shimizu. On the domain of partial attraction of semi-stable distributions. *Annals of the Institute of Statistical Mathematics*, 22(1):245–255, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506340>.

**Csorgo:1970:DRP**

- [594] Miklós Csörgő and Mayer Alvo. Distribution results and power functions for Kac statistics. *Annals of the Institute of Statistical Mathematics*, 22(1):257–260, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506341>.

**Blumenthal:1970:TFB**

- [595] Saul Blumenthal. Tests of fit based on partial sums of the ordered spacings. *Annals of the Institute of Statistical Mathematics*, 22(1):261–276, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506342>.

**Sen:1970:REC**

- [596] Pranab Kumar Sen. On the robust efficiency of the combination of independent nonparametric tests. *Annals of the Institute of Statistical Mathematics*, 22(1):277–280, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506343>.



//link.springer.com/article/10.1007/BF02506343.

**Sen:1970:NIR**

- [597] Pranab Kumar Sen. Nonparametric inference in  $n$  replicated  $2^m$  factorial experiments. *Annals of the Institute of Statistical Mathematics*, 22(1):281–294, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506344>.

**Kshirsagar:1970:GFA**

- [598] A. M. Kshirsagar. Goodness of fit of an assigned set of scores for the analysis of association in a contingency table. *Annals of the Institute of Statistical Mathematics*, 22(1):295–306, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506345>.

**Pillai:1970:MPF**

- [599] K. C. S. Pillai and Hung C. Li. Monotonicity of the power functions of some tests of hypotheses concerning multivariate complex normal distributions. *Annals of the Institute of Statistical Mathematics*, 22(1):307–318, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506346>.

**Sclove:1970:SRN**

- [600] Stanley L. Sclove. Some remarks on normal multivariate regression. *Annals of the Institute of Statistical Mathematics*, 22(1):319–326, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506347>.

//link.springer.com/article/10.1007/BF02506347.

**Serfling:1970:VFE**

- [601] R. J. Serfling. The variance function of the Erlang process. *Annals of the Institute of Statistical Mathematics*, 22(1):327–337, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506348>.

**Takacs:1970:FIT**

- [602] Lajos Takács. A fundamental identity in the theory of queues. *Annals of the Institute of Statistical Mathematics*, 22(1):339–348, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506349>.

**Takamatsu:1970:QPA**

- [603] Shunro Takamatsu. Queueing processes with accumulated service. *Annals of the Institute of Statistical Mathematics*, 22(1):349–379, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506350>.

**Dey:1970:MEP**

- [604] A. Dey and G. M. Saha. Main effect plans for  $k^n$  factorials with blocks. *Annals of the Institute of Statistical Mathematics*, 22(1):381–388, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506351>.



**Dey:1970:CBA**

- [605] A. Dey. On construction of balanced  $n$ -ary block designs. *Annals of the Institute of Statistical Mathematics*, 22(1):389–393, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506352>.

**Choi:1970:CEP**

- [606] Keewhan Choi. Corrections for “Estimators for the parameters of a finite mixture of distributions”. *Annals of the Institute of Statistical Mathematics*, 22(1):395–396, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02506353>. See [522].

**Choi:1970:CEB**

- [607] Keewhan Choi. Corrections for “Empirical Bayes procedure for (pattern) classification with stochastic learning”. *Annals of the Institute of Statistical Mathematics*, 22(1):397–398, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02506354>. See [523].

**Kulkarni:1970:CPL**

- [608] S. R. Kulkarni. A comment on the paper “Locally asymptotically most powerful tests about the effects of  $K$  treatments”. *Annals of the Institute of Statistical Mathematics*, 22(1):399, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02506355>. See [583].

**Wakimoto:1970:CUE**

- [609] Kazumasa Wakimoto. Correction to “On unbiased estimation of the population variance based on the stratified random sample”. *Annals of the Institute of Statistical Mathematics*, 22(1):400, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02506356>. See [572].

**Talukder:1970:COA**

- [610] M. A. H. Talukder. Corrections to “On the order of approximation of the variance of multivariate regression estimates (MRE) for finite populations”. *Annals of the Institute of Statistical Mathematics*, 22(1):401, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02506357>.

**Takahasi:1970:ESC**

- [611] Koiti Takahasi. Estimation of several characteristics of distributions of order statistics. *Annals of the Institute of Statistical Mathematics*, 22(1):403–412, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506358>.

**Takahasi:1970:SNC**

- [612] Koiti Takahasi. Some nonparametric consistent estimates from censored



samples. *Annals of the Institute of Statistical Mathematics*, 22(1):413–419, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506359>.

**Takahasi:1970:PNE**

- [613] Koiti Takahasi. Practical note on estimation of population means based on samples stratified by means of ordering. *Annals of the Institute of Statistical Mathematics*, 22(1):421–428, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506360>.

**Wakimoto:1970:UEPb**

- [614] Kazumasa Wakimoto. On unbiased estimation of the population variance based on the stratified random sample (II). *Annals of the Institute of Statistical Mathematics*, 22(1):429–433, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506361>.

**Ikeda:1970:AIO**

- [615] Sadao Ikeda and Tadashi Matsunawa. On asymptotic independence of order statistics. *Annals of the Institute of Statistical Mathematics*, 22(1):435–449, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506362>.

**Khatrri:1970:FCS**

- [616] C. G. Khatrri. Further contributions to some inequalities for normal distributions and their applications

to simultaneous confidence bounds. *Annals of the Institute of Statistical Mathematics*, 22(1):451–458, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506363>.

**Raghavachari:1970:MST**

- [617] M. Raghavachari. Multi-sample tests for scale. *Annals of the Institute of Statistical Mathematics*, 22(1):459–464, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506364>.

**Milch:1970:JPS**

- [618] Paul R. Milch. The Jacobi polynomial and some hypergeometric type distributions. *Annals of the Institute of Statistical Mathematics*, 22(1):465–474, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506365>.

**Kabe:1970:SDO**

- [619] D. G. Kabe. Some distributions of ordered random intervals with applications. *Annals of the Institute of Statistical Mathematics*, 22(1):475–481, 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506366>.

**Srivastava:1970:EES**

- [620] V. K. Srivastava. The efficiency of estimating seemingly unrelated regression equations. *Annals of the Institute of Statistical Mathematics*, 22(1):483–493, 1970. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506367>.

**Sharma:1970:ECL**

- [621] S. S. Sharma. On an estimator in  $T_3$ -class of linear estimators in sampling with varying probabilities from a finite population. *Annals of the Institute of Statistical Mathematics*, 22(1):495–500, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506368>.

**Raghavarao:1970:SRT**

- [622] Damaraju Raghavarao. Some results on tactical configurations and non-existence of difference set solutions for certain symmetrical PBIB designs. *Annals of the Institute of Statistical Mathematics*, 22(1):501–506, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506369>.

**Srivastava:1970:HTR**

- [623] J. N. Srivastava and L. L. McDonald. On the hierarchical two-response (cyclic PBIB) designs, cost-wise optimal under the trace criterion. *Annals of the Institute of Statistical Mathematics*, 22(1):507–518, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506370>.

**Raktoe:1970:LBN**

- [624] B. L. Raktoe and W. T. Federer. A lower bound for the number of singular saturated main effect plans of an

$S^m$  factorial. *Annals of the Institute of Statistical Mathematics*, 22(1):519–525, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506371>.

**Huzii:1970:VSE**

- [625] Mituaki Huzii. On the variance of a simplified estimate of correlogram. *Annals of the Institute of Statistical Mathematics*, 22(1):527–534, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506372>.

**Patel:1970:COS**

- [626] H. I. Patel. The choice of optimum scores in a Markov chain of order one. *Annals of the Institute of Statistical Mathematics*, 22(1):535–538, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506373>.

**Rohatgi:1970:SL**

- [627] V. K. Rohatgi. On the strong law. *Annals of the Institute of Statistical Mathematics*, 22(1):539–541, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506374>.

**Sibuya:1970:SGI**

- [628] Masaaki Sibuya. Subclasses of generalized inverses of matrices. *Annals of the Institute of Statistical Mathematics*, 22(1):543–556, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506375>.



//link.springer.com/article/10.1007/BF02506375.

**Anonymous:1970:HC**

- [629] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 22(1):??, ??? 1970. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Noda:1971:MEM**

- [630] Kazuo Noda and Yasushi Taga. Minimax estimation method for the optimum decomposition of a sample space based on prior information. *Annals of the Institute of Statistical Mathematics*, 23(1):1–29, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479208>.

**Hayashi:1971:RRA**

- [631] Chikio Hayashi. Response reliability and attitude change-supplement to response errors and biased information. *Annals of the Institute of Statistical Mathematics*, 23(1):31–34, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479209>.

**Barankin:1971:TMG**

- [632] Edward W. Barankin. Toward the mathematics of a general theory of behavior, III the flanking heredity theorem. *Annals of the Institute of Statistical Mathematics*, 23(1):35–65, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479210>.

**Guttman:1971:BAP**

- [633] Irwin Guttman. A Bayesian analogue of Paulson's lemma and its use in tolerance region construction when sampling from the multi-variate normal. *Annals of the Institute of Statistical Mathematics*, 23(1):67–76, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479211>.

**Gupta:1971:DWL**

- [634] A. K. Gupta. Distribution of Wilks' likelihood-ratio criterion in the complex case. *Annals of the Institute of Statistical Mathematics*, 23(1):77–87, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479212>.

**Pillai:1971:ADL**

- [635] K. C. S. Pillai and D. L. Young. An approximation to the distribution of the largest root of a complex Wishart matrix. *Annals of the Institute of Statistical Mathematics*, 23(1):89–96, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479213>.

**Gupta:1971:DCF**

- [636] R. P. Gupta and D. G. Kabe. Distribution of certain factors useful in discriminant analysis. *Annals of the Institute of Statistical Mathematics*, 23(1):97–103, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479214>.



**Church:1971:NEM**

- [637] J. D. Church and E. Benton Cobb. Nonparametric estimation of the mean using quantal response data. *Annals of the Institute of Statistical Mathematics*, 23(1):105–117, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479215>.

**Dixon:1971:BSP**

- [638] D. O. Dixon and R. P. Bland. A Bayes solution for the problem of ranking Poisson parameters. *Annals of the Institute of Statistical Mathematics*, 23(1):119–124, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479216>.

**Harris:1971:LDS**

- [639] B. Harris and C. J. Park. The limiting distribution of the sample occupancy numbers from the multinomial distribution with equal cell probabilities. *Annals of the Institute of Statistical Mathematics*, 23(1):125–133, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479217>.

**Patel:1971:ACO**

- [640] H. I. Patel. Acknowledgement to “The choice of optimum scores in a Markov chain of order one”. *Annals of the Institute of Statistical Mathematics*, 23(1):135, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479218>.

[//link.springer.com/accesspage/article/10.1007/BF02479218](http://link.springer.com/accesspage/article/10.1007/BF02479218).

**Matusita:1971:SPA**

- [641] Kameo Matusita. Some properties of affinity and applications. *Annals of the Institute of Statistical Mathematics*, 23(1):137–155, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479219>.

**Kirmani:1971:SLP**

- [642] S. N. U. A. Kirmani. Some limiting properties of Matusita’s measure of distance. *Annals of the Institute of Statistical Mathematics*, 23(1):157–162, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479220>.

**Akaike:1971:AMF**

- [643] Hirotugu Akaike. Autoregressive model fitting for control. *Annals of the Institute of Statistical Mathematics*, 23(1):163–180, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479221>. See correction [674].

**Mathai:1971:DLR**

- [644] A. M. Mathai. On the distribution of the likelihood ratio criterion for testing linear hypotheses on regression coefficients. *Annals of the Institute of Statistical Mathematics*, 23(1):181–197, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479222>.



Jaiswal:1971:CTM

- [645] M. C. Jaiswal and C. G. Khatri. On certain tests and monotonicity of their power for the parameters involved in the non-regular density functions. *Annals of the Institute of Statistical Mathematics*, 23(1):199–210, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479223>.

Mehta:1971:PDE

- [646] J. S. Mehta and R. Srinivasan. On pooling data i: Estimation of the mean. *Annals of the Institute of Statistical Mathematics*, 23(1):211–224, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479224>.

Chan:1971:SAP

- [647] Lai K. Chan. Some asymptotic properties of the linearized maximum likelihood estimate and best linear unbiased estimate. *Annals of the Institute of Statistical Mathematics*, 23(1):225–232, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479225>.

Wakimoto:1971:SRSa

- [648] Kazumasa Wakimoto. Stratified random sampling (1) estimation of the population variance. *Annals of the Institute of Statistical Mathematics*, 23(1):233–252, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479226>.

Alam:1971:SPB

- [649] Khursheed Alam and James R. Thompson. A selection procedure based on ranks. *Annals of the Institute of Statistical Mathematics*, 23(1):253–262, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479227>.

Kshirsager:1971:RIR

- [650] A. M. Kshirsager. Recovery of inter-row and inter-column information in two-way designs. *Annals of the Institute of Statistical Mathematics*, 23(1):263–278, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479228>.

Gulati:1971:MS

- [651] Bodh Raj Gulati. On maximal  $(k, t)$ -sets. *Annals of the Institute of Statistical Mathematics*, 23(1):279–292, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479229>. See correction [673].

Krishnaiah:1971:EDS

- [652] P. R. Krishnaiah and T. C. Chang. On the exact distribution of the smallest root of the Wishart matrix using zonal polynomials. *Annals of the Institute of Statistical Mathematics*, 23(1):293–295, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479230>.



**Abe:1971:SAR**

- [653] Shun ichi Abe. Statistical analysis of reliability data in renewal processes. *Annals of the Institute of Statistical Mathematics*, 23(1):297–320, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479231>.

**Holgate:1971:CPE**

- [654] P. Holgate. On a class of psychological experiments. *Annals of the Institute of Statistical Mathematics*, 23(1):321–325, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479232>.

**Wakimoto:1971:SRSb**

- [655] Kazumasa Wakimoto. Stratified random sampling (II) estimation of the population covariance. *Annals of the Institute of Statistical Mathematics*, 23(1):327–337, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479233>.

**Wakimoto:1971:SRS c**

- [656] Kazumasa Wakimoto. Stratified random sampling (III) estimation of the correlation coefficient. *Annals of the Institute of Statistical Mathematics*, 23(1):339–353, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479234>.

**Taga:1971:COS**

- [657] Yasushi Taga. On the convergence of optimum stratifications for empiric distribution function in univariate case. *Annals of the Institute of Statistical Mathematics*, 23(1):355–363, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479235>.

**Alam:1971:SSR**

- [658] Khursheed Alam, Kenzo Seo, and James R. Thompson. A sequential sampling rule for selecting the most probable multinomial event. *Annals of the Institute of Statistical Mathematics*, 23(1):365–374, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479236>.

**Bhapkar:1971:SSP**

- [659] V. P. Bhapkar and A. P. Gore. Some selection procedures based on  $U$ -statistics for the location and scale problems. *Annals of the Institute of Statistical Mathematics*, 23(1):375–386, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479237>.

**Jones:1971:SEM**

- [660] Richard H. Jones. Spectrum estimation with missing observations. *Annals of the Institute of Statistical Mathematics*, 23(1):387–398, ??? 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479238>.



**Huzii:1971:NEC**

- [661] Mituaki Huzii. Note on the estimation of correlogram by using transformed variables. *Annals of the Institute of Statistical Mathematics*, 23(1):399–410, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479239>.

**Alam:1971:SPP**

- [662] Khursheed Alam. Selection from Poisson processes. *Annals of the Institute of Statistical Mathematics*, 23(1):411–418, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479240>.

**Sedransk:1971:EPM**

- [663] N. Sedransk and Masashi Okamoto. Estimation of the probabilities of misclassification for a linear discriminant function in the univariate normal case. *Annals of the Institute of Statistical Mathematics*, 23(1):419–435, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479241>.

**Srivastava:1971:DVE**

- [664] V. K. Srivastava. Disturbance variance estimation in simultaneous equations by  $k$ -class method. *Annals of the Institute of Statistical Mathematics*, 23(1):437–449, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479242>.

**Krishnaiah:1971:STE**

- [665] P. R. Krishnaiah and V. B. Waikar. Simultaneous tests for equality of latent roots against certain alternatives-i. *Annals of the Institute of Statistical Mathematics*, 23(1):451–468, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479243>.

**Sugiura:1971:AED**

- [666] Nariaki Sugiura and Hisao Nagao. Asymptotic expansion of the distribution of the generalized variance for non-central Wishart matrix, when  $\Omega = O(n)$ . *Annals of the Institute of Statistical Mathematics*, 23(1):469–475, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479244>.

**Fujikoshi:1971:AEN**

- [667] Yasunori Fujikoshi. Asymptotic expansions of the non-null distributions of two criteria for the linear hypothesis concerning complex multivariate normal populations. *Annals of the Institute of Statistical Mathematics*, 23(1):477–490, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479245>.

**Kulshreshtha:1971:CD**

- [668] A. C. Kulshreshtha, G. M. Saha, and A. Dey. On circular designs. *Annals of the Institute of Statistical Mathematics*, 23(1):491–497, 1971. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479246>.

**Saha:1971:CTR**

- [669] G. M. Saha and A. K. Mishra. A class of three-replicate three-associate p.b.i.b. designs. *Annals of the Institute of Statistical Mathematics*, 23(1):499–505, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479247>.

**Harris:1971:NAN**

- [670] B. Harris and C. J. Park. A note on the asymptotic normality of the distribution of the number of empty cells in occupancy problems. *Annals of the Institute of Statistical Mathematics*, 23(1):507–513, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479248>.

**Nagasaka:1971:HDN**

- [671] Kenji Nagasaka. On Hausdorff dimension of non-normal sets. *Annals of the Institute of Statistical Mathematics*, 23(1):515–521, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479249>.

**Alam:1971:CN**

- [672] Khursheed Alam. A characterization of normality. *Annals of the Institute of Statistical Mathematics*, 23(1):523–525, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02479250>.

**Gulati:1971:CNM**

- [673] Bodh Raj Gulati. Correction note to “On maximal  $(k, t)$ -sets”. *Annals of the Institute of Statistical Mathematics*, 23(1):527–529, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479251>. See [651].

**Akaike:1971:CAM**

- [674] H. Akaike. Correction to “Autoregressive model fitting for control”. *Annals of the Institute of Statistical Mathematics*, 23(1):531, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02479252>. See [643].

**Anonymous:1971:HC**

- [675] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 23(1):??, 1971. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hayakawa:1972:DLR**

- [676] Takesi Hayakawa. On the distribution of the latent roots of a complex Wishart matrix (non-central case). *Annals of the Institute of Statistical Mathematics*, 24(1):1–17, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479734>.



**Hayakawa:1972:DAD**

- [677] Takesi Hayakawa. On the derivation of the asymptotic distribution of the generalized Hotelling's  $T_0^2$ . *Annals of the Institute of Statistical Mathematics*, 24(1):19–32, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479735>.

**Ikeda:1972:UAJ**

- [678] Sadao Ikeda and Tadashi Matsunawa. On the uniform asymptotic joint normality of sample quantiles. *Annals of the Institute of Statistical Mathematics*, 24(1):33–52, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479736>.

**Mathai:1972:ENC**

- [679] A. M. Mathai. The exact non-central distribution of the generalized variance. *Annals of the Institute of Statistical Mathematics*, 24(1):53–65, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479737>.

**Nagao:1972:NND**

- [680] Hisao Nagao. Non-null distributions of the likelihood ratio criteria for independence and equality of mean vectors and covariance matrices. *Annals of the Institute of Statistical Mathematics*, 24(1):67–79, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479738>.

1007/BF02479738. See corrections [842].

**Krishnaiah:1972:STE**

- [681] P. R. Krishnaiah and V. B. Waikar. Simultaneous tests for equality of latent roots against certain alternatives-II. *Annals of the Institute of Statistical Mathematics*, 24(1):81–85, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479739>.

**Sugiyama:1972:DLL**

- [682] T. Sugiyama. Distributions of the largest latent root of the multivariate complex Gaussian distribution. *Annals of the Institute of Statistical Mathematics*, 24(1):87–94, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479740>.

**Kabe:1972:GRS**

- [683] D. G. Kabe. On a generalization of Rao's  $u$  statistic. *Annals of the Institute of Statistical Mathematics*, 24(1):95–100, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479741>.

**Csorgo:1972:DRD**

- [684] Miklós Csörgő. Distribution results for distance functions based on the modified empirical distribution function of M. Kac. *Annals of the Institute of Statistical Mathematics*, 24(1):101–110, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02479742>.

**Davies:1972:EMG**

- [685] M. G. Davies. The expectation of Mahalanobis' generalized distance. *Annals of the Institute of Statistical Mathematics*, 24(1):111–125, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479743>.

**Mudholkar:1972:GPC**

- [686] Govind S. Mudholkar. G-peakedness comparisons for random vectors. *Annals of the Institute of Statistical Mathematics*, 24(1):127–135, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479744>.

**Yanagawa:1972:ESF**

- [687] Takashi Yanagawa and Kazumasa Wakimoto. Estimation of some functional of the population distribution based on a stratified random sample. *Annals of the Institute of Statistical Mathematics*, 24(1):137–151, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479745>.

**Avadhani:1972:CMS**

- [688] M. S. Avadhani and A. K. Srivastava. A comparison of Midzuno–Sen scheme with P.P.S. sampling without replacement and its application to successive sampling. *Annals of the Institute of Statistical Mathematics*, 24(1):153–164, ??? 1972. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479746>.

**Govindarajulu:1972:REM**

- [689] Z. Govindarajulu and Jayant V. Deshpandé. Random effects model: Non-parametric case. *Annals of the Institute of Statistical Mathematics*, 24(1):165–170, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479747>.

**Kumar:1972:TGT**

- [690] S. Kumar. Trinomial group-testing with an unknown proportion of units in the three categories. *Annals of the Institute of Statistical Mathematics*, 24(1):171–181, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479748>.

**Coberly:1972:NOS**

- [691] W. A. Coberly and T. O. Lewis. A note on a one-sided Kolmogorov–Smirnov test of fit for discrete distribution functions. *Annals of the Institute of Statistical Mathematics*, 24(1):183–187, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479749>.

**Davenport:1972:NAI**

- [692] James M. Davenport. A note on an application of the identity given by Govindarajulu and Suzuki. *Annals of the Institute of Statistical Mathematics*, 24(1):189–192, ??? 1972. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479750>.

**Shinozaki:1972:NAMa**

- [693] Nobuo Shinozaki, Masaaki Sibuya, and Kunio Tanabe. Numerical algorithms for the Moore–Penrose inverse of a matrix: Direct methods. *Annals of the Institute of Statistical Mathematics*, 24(1):193–203, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479751>.

**Hayakawa:1972:DMQ**

- [694] Takesi Hayakawa. On the distribution of the multivariate quadratic form in multivariate normal samples. *Annals of the Institute of Statistical Mathematics*, 24(1):205–230, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479752>.

**Hayakawa:1972:ADS**

- [695] Takesi Hayakawa. The asymptotic distributions of the statistics based on the complex Gaussian distribution. *Annals of the Institute of Statistical Mathematics*, 24(1):231–244, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479753>.

**Giri:1972:TPC**

- [696] N. Giri. On testing problems concerning mean of multivariate complex Gaussian distribution. *Annals of the*

*Institute of Statistical Mathematics*, 24(1):245–250, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479754>.

**Hayashi:1972:TDQ**

- [697] Chikio Hayashi. Two dimensional quantification based on the measure of dissimilarity among three elements. *Annals of the Institute of Statistical Mathematics*, 24(1):251–257, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479755>.

**Yanagimoto:1972:SLC**

- [698] Takemi Yanagimoto and Masaaki Sibuya. Stochastically larger component of a random vector. *Annals of the Institute of Statistical Mathematics*, 24(1):259–269, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479756>.

**Tong:1972:CSS**

- [699] Yung Liang Tong. On the consistency of single-stage ranking procedures. *Annals of the Institute of Statistical Mathematics*, 24(1):271–284, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479757>.

**Srivastava:1972:AMP**

- [700] M. S. Srivastava. Asymptotically most powerful rank tests for regression parameters in MANOVA. *Annals of the*



*Institute of Statistical Mathematics*, 24(1):285–297, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479758>. See corrections [1058].

**Moore:1972:AEE**

- [701] D. S. Moore. Asymptotically efficient estimation by local location-parameter approximations. *Annals of the Institute of Statistical Mathematics*, 24(1):299–308, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479759>.

**Yamazoe:1972:ROP**

- [702] Siro Yamazoe. A random observation process for stochastic approximation. *Annals of the Institute of Statistical Mathematics*, 24(1):309–317, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479760>.

**Lin:1972:RCE**

- [703] Pi-Erh Lin. Rates of convergence in empirical Bayes estimation problems: Discrete case. *Annals of the Institute of Statistical Mathematics*, 24(1):319–325, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479761>.

**Muddapur:1972:BEP**

- [704] M. V. Muddapur. Bayesian estimates of parameters in some queueing models. *Annals of the Institute of*

*Statistical Mathematics*, 24(1):327–331, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479762>.

**Rao:1972:MLE**

- [705] B. L. S. Prakasa Rao. Maximum likelihood estimation for Markov processes. *Annals of the Institute of Statistical Mathematics*, 24(1):333–345, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479763>.

**Shimizu:1972:DSC**

- [706] Ryoichi Shimizu. On the decomposition of stable characteristic functions. *Annals of the Institute of Statistical Mathematics*, 24(1):347–353, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479764>.

**Taguchi:1972:TDCa**

- [707] Tokio Taguchi. On the two-dimensional concentration surface and extensions of concentration coefficient and Pareto distribution to the two dimensional case — I. *Annals of the Institute of Statistical Mathematics*, 24(1):355–381, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479765>.

**Kounias:1972:TLS**

- [708] E. G. Kounias and Bodh Raj Gulati. On two level symmetrical factorial designs. *Annals of the Institute of Statistical Mathematics*, 24(1):383–403,



???? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479766>.

**Alam:1972:NMP**

- [709] Khursheed Alam. A note on a monotonicity property of a rank order probability ratio. *Annals of the Institute of Statistical Mathematics*, 24(1):405–408, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479767>.

**Wani:1972:NML**

- [710] J. K. Wani and D. G. Kabe. Note on a multidimensional linear discriminant function. *Annals of the Institute of Statistical Mathematics*, 24(1):409–412, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479768>.

**Raktoe:1972:ALB**

- [711] B. L. Raktoe and W. T. Federer. Addendum to “A lower bound for the number of singular saturated main effect plans of an  $S^M$  factorial”. *Annals of the Institute of Statistical Mathematics*, 24(1):413, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02479769>.

**Suzuki:1972:DKS**

- [712] Giitiro Suzuki. Distributions of Kac-statistics. *Annals of the Institute of Statistical Mathematics*, 24(1):415–421, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02479770>.

**Yanagimoto:1972:TSO**

- [713] Takemi Yanagimoto and Masaaki Sibuya. Test of symmetry of a one-dimensional distribution against positive biasedness. *Annals of the Institute of Statistical Mathematics*, 24(1):423–434, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479771>.

**Bell:1972:CTC**

- [714] C. B. Bell and Paul J. Smith. Completeness theorems for characterizing distribution-free statistics. *Annals of the Institute of Statistical Mathematics*, 24(1):435–453, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479772>.

**Srivastava:1972:SSP**

- [715] M. S. Srivastava and V. S. Taneja. Some sequential procedures for ranking multivariate normal populations. *Annals of the Institute of Statistical Mathematics*, 24(1):455–464, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479773>.

**Sobel:1972:ACS**

- [716] Milton Sobel and S. P. Yen. An asymptotic comparison of subset selection procedures. *Annals of the Institute of Statistical Mathematics*, 24(1):465–468, 1972. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479774>.

**Bennett:1972:NRS**

- [717] B. M. Bennett. Note on the rank sum test of Wilcoxon under trend alternatives. *Annals of the Institute of Statistical Mathematics*, 24(1):469–472, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479775>.

**Mathai:1972:CMM**

- [718] A. M. Mathai and P. N. Rathie. Characterization of Matusita's measure of affinity. *Annals of the Institute of Statistical Mathematics*, 24(1):473–483, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479776>.

**Singh:1972:OSS**

- [719] Ravindra Singh and B. V. Sukhatme. Optimum stratification in sampling with varying probabilities. *Annals of the Institute of Statistical Mathematics*, 24(1):485–494, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479777>.

**Roy:1972:BGD**

- [720] A. R. Roy and V. K. Srivastava. The bias of generalized double  $k$ -class estimators. *Annals of the Institute of Statistical Mathematics*, 24(1):495–508, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479778>.

**Hayakawa:1972:NAD**

- [721] Takesi Hayakawa. Note on the asymptotic distributions of the functions of a multivariate quadratic form in normal sample. *Annals of the Institute of Statistical Mathematics*, 24(1):509–515, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479779>.

**Sugiura:1972:ASH**

- [722] Nariaki Sugiura. Asymptotic solutions of the hypergeometric function  ${}_1F_1$  of matrix argument, useful in multivariate analysis. *Annals of the Institute of Statistical Mathematics*, 24(1):517–524, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479780>.

**Dey:1972:TSP**

- [723] A. Dey, A. C. Kulshreshtha, and G. M. Saha. Three symbol partially balanced arrays. *Annals of the Institute of Statistical Mathematics*, 24(1):525–528, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479781>.

**Barankin:1972:PFB**

- [724] Edward W. Barankin and Joaquin Curiel. Properties of flanking, beflanking and enflanking. *Annals of the Institute of Statistical Mathematics*, 24(1):529–558, 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479782>.



**Yanagimoto:1972:FPD**

- [725] Takemi Yanagimoto. Families of positively dependent random variables. *Annals of the Institute of Statistical Mathematics*, 24(1):559–573, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479783>.

**Imai:1972:CFI**

- [726] Haruo Imai. Convergence of functional iterates for branching processes. *Annals of the Institute of Statistical Mathematics*, 24(1):575–587, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479784>.

**Pakes:1972:GMQ**

- [727] A. G. Pakes. A GI/ M/ 1 queue with a modified service mechanism. *Annals of the Institute of Statistical Mathematics*, 24(1):589–597, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479785>.

**Taguchi:1972:TDCb**

- [728] Tokio Taguchi. On the two-dimensional concentration surface and extensions of concentration coefficient and Pareto distribution to the two dimensional case — II. *Annals of the Institute of Statistical Mathematics*, 24(1):599–619, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479786>.

**Shinozaki:1972:NAMb**

- [729] Nobuo Shinozaki, Masaaki Sibuya, and Kunio Tanabe. Numerical algorithms for the Moore–Penrose inverse of a matrix: Iterative methods. *Annals of the Institute of Statistical Mathematics*, 24(1):621–629, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479787>.

**Anonymous:1972:HC**

- [730] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 24(1):??, ??? 1972. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Inagaki:1973:ARB**

- [731] Nobuo Inagaki. Asymptotic relations between the likelihood estimating function and the maximum likelihood estimator. *Annals of the Institute of Statistical Mathematics*, 25(1):1–26, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479355>.

**Roussas:1973:EAF**

- [732] G. G. Roussas and A. Soms. On the exponential approximation of a family of probability measures and a representation theorem of Hájek–Inagaki. *Annals of the Institute of Statistical Mathematics*, 25(1):27–39, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479356>.



**Khan:1973:NCA**

- [733] A. H. Khan and S. M. Ali. A new coefficient of association. *Annals of the Institute of Statistical Mathematics*, 25(1):41–50, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479357>.

**Singh:1973:UKC**

- [734] J. Singh, B. N. Pandey, and K. Hirano. On the utilization of a known coefficient of kurtosis in the estimation procedure of variance. *Annals of the Institute of Statistical Mathematics*, 25(1):51–55, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479358>.

**Alam:1973:SBE**

- [735] Khursheed Alam and James R. Thompson. Some biased estimates of the mean of the normal distribution. *Annals of the Institute of Statistical Mathematics*, 25(1):57–64, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479359>.

**Mike:1973:RPT**

- [736] Valerie Miké. Robust Pitman-type estimators of location. *Annals of the Institute of Statistical Mathematics*, 25(1):65–86, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479360>.

**Walsh:1973:NEM**

- [737] John E. Walsh and Grace J. Keller. Nonparametric estimation of mean and variance when a few “sample” values possibly outliers. *Annals of the Institute of Statistical Mathematics*, 25(1):87–90, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479361>.

**Ghosh:1973:CAOa**

- [738] Malay Ghosh. On a class of asymptotically optimal nonparametric tests for grouped data. I. *Annals of the Institute of Statistical Mathematics*, 25(1):91–108, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479362>.

**Ghosh:1973:CAOb**

- [739] Malay Ghosh. On a class of asymptotically optimal nonparametric tests for grouped data II. *Annals of the Institute of Statistical Mathematics*, 25(1):109–122, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479363>.

**Ghosh:1973:SSS**

- [740] Malay Ghosh and Pranab Kumar Sen. On some sequential simultaneous confidence intervals procedures. *Annals of the Institute of Statistical Mathematics*, 25(1):123–133, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02479364>.

**Tan:1973:CAB**

- [741] W. Y. Tan. On the complex analogue of Bayesian estimation of a multivariate regression model. *Annals of the Institute of Statistical Mathematics*, 25(1):135–152, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479365>.

**Sugiura:1973:FAF**

- [742] Nariaki Sugiura. Further asymptotic formulas for the non-null distributions of three statistics for multivariate linear hypothesis. *Annals of the Institute of Statistical Mathematics*, 25(1):153–163, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479366>.

**Hirakawa:1973:NDM**

- [743] Fumiko Hirakawa. Note on the distribution of the minimum latent root. *Annals of the Institute of Statistical Mathematics*, 25(1):165–172, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479367>.

**Naik:1973:SPD**

- [744] Umesh D. Naik. Some posterior distributions concerning normal samples with applications to analysis of variance model I problems. *Annals of the Institute of Statistical Mathematics*, 25(1):173–186, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479368>. See corrections [843].

**Kulkarni:1973:THA**

- [745] S. R. Kulkarni. On tests of hypotheses about treatment effects and treatment  $X$  places interactions, in two heteroscedastic experiments. *Annals of the Institute of Statistical Mathematics*, 25(1):187–203, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479369>.

**Rathie:1973:IFT**

- [746] P. N. Rathie and Pl. Kannappan. An inaccuracy function of type  $\beta$ . *Annals of the Institute of Statistical Mathematics*, 25(1):205–214, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479370>.

**Taguchi:1973:TDC**

- [747] Tokio Taguchi. On the two-dimensional concentration surface and extensions of concentration coefficient and Pareto distribution to the two dimensional case-III. *Annals of the Institute of Statistical Mathematics*, 25(1):215–237, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479371>.

**Ogawa:1973:ANN**

- [748] Junjiro Ogawa and Sadao Ikeda. The asymptotic non-null distribution of the  $F$ -static for testing a partial null-



hypothesis in a randomized PBIB design with  $m$  associate classes under the Neyman model. *Annals of the Institute of Statistical Mathematics*, 25(1):239–259, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479372>.

**Matsunawa:1973:UAJ**

- [749] Tadashi Matsunawa. Uniform asymptotic joint normality of sample quantities in censored cases. *Annals of the Institute of Statistical Mathematics*, 25(1):261–278, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479373>.

**Hettmansperger:1973:JLA**

- [750] Thomas P. Hettmansperger. On the Hodges–Lehmann approximate efficiency. *Annals of the Institute of Statistical Mathematics*, 25(1):279–286, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479374>.

**Chatterjee:1973:KST**

- [751] Shoutir Kishore Chatterjee and Pranab Kumar Sen. On Kolmogorov–Smirnov-type tests for symmetry. *Annals of the Institute of Statistical Mathematics*, 25(1):287–299, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479375>.

**Samanta:1973:EEL**

- [752] M. Samanta. Efficient estimation of the location parameters in the bivariate two sample problem. *Annals of the Institute of Statistical Mathematics*, 25(1):301–319, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479376>.

**Rohatgi:1973:SEM**

- [753] V. K. Rohatgi and R. T. O'Neill. On sequential estimation of the mean vector of a multinormal population. *Annals of the Institute of Statistical Mathematics*, 25(1):321–325, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479377>.

**Yamazoe:1973:ROP**

- [754] Siro Yamazoe. On random observation processes for stochastic approximation. *Annals of the Institute of Statistical Mathematics*, 25(1):327–334, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479378>.

**Han:1973:REB**

- [755] Chien-Pai Han. Regression estimation for bivariate normal distributions. *Annals of the Institute of Statistical Mathematics*, 25(1):335–344, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479379>.



**Khatri:1973:ENN**

- [756] C. G. Khatri and M. S. Srivastava. On the exact non-null distribution of likelihood ratio criteria for covariance matrices. *Annals of the Institute of Statistical Mathematics*, 25(1):345–354, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479380>.

**Patel:1973:TIM**

- [757] H. I. Patel and Rashid Ahmad. On tests of independence for  $r \times c$  Markovian contingency tables. *Annals of the Institute of Statistical Mathematics*, 25(1):355–361, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479381>.

**John:1973:IPM**

- [758] S. John. On inferring the probability of misclassification by the linear discriminant function. *Annals of the Institute of Statistical Mathematics*, 25(1):363–372, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479382>.

**Glick:1973:SPC**

- [759] Ned Glick. Separation and probability of correct classification among two or more distributions. *Annals of the Institute of Statistical Mathematics*, 25(1):373–382, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479383>.

**Srivastava:1973:EGM**

- [760] J. N. Srivastava and Lyman L. McDonald. On the extensions of Gauss–Markov theorem to subsets of the parameter space under complex multivariate linear models. *Annals of the Institute of Statistical Mathematics*, 25(1):383–393, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479384>.

**Hayakawa:1973:AED**

- [761] Takesi Hayakawa. An asymptotic expansion for the distribution of the determinant of a multivariate quadratic form in a normal sample. *Annals of the Institute of Statistical Mathematics*, 25(1):395–406, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479385>.

**Nagao:1973:AED**

- [762] Hisao Nagao. Asymptotic expansions of the distributions of Bartlett’s test and sphericity test under the local alternatives. *Annals of the Institute of Statistical Mathematics*, 25(1):407–422, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479386>.

**Fujikoshi:1973:AFD**

- [763] Yasunori Fujikoshi. Asymptotic formulas for the distributions of three statistics for multivariate linear hypothesis. *Annals of the Institute of Statistical Mathematics*, 25(1):423–437, ??? 1973. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479387>.

**Saha:1973:CUB**

- [764] G. M. Saha and A. Dey. On construction and uses of balanced  $n$ -ary designs. *Annals of the Institute of Statistical Mathematics*, 25(1):439–445, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479388>.

**Chang:1973:ADC**

- [765] Tseng C. Chang. On an asymptotic distribution of the characteristic roots of  $S_1 S_2^{-1}$  when roots are not all distinct. *Annals of the Institute of Statistical Mathematics*, 25(1):447–451, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479389>.

**Imai:1973:RLL**

- [766] Haruo Imai. Remarks to a local limit theorem for Galton–Watson processes. *Annals of the Institute of Statistical Mathematics*, 25(1):453–455, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479390>.

**Inagaki:1973:ARH**

- [767] Nobuo Inagaki. The asymptotic representation of the Hodges–Lehmann estimator based on Wilcoxon two-sample statistic. *Annals of the Institute of Statistical Mathematics*, 25(1):457–466, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02479391>.

**Dudewicz:1973:MPE**

- [768] Edward J. Dudewicz. Maximum probability estimators for ranked means. *Annals of the Institute of Statistical Mathematics*, 25(1):467–477, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479392>.

**Hirano:1973:SPE**

- [769] Katuomi Hirano. Some properties of an estimator for the variance of a normal distribution. *Annals of the Institute of Statistical Mathematics*, 25(1):479–492, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479393>.

**Kirmani:1973:GFT**

- [770] S. N. U. A. Kirmani. On a goodness of fit test based on Matusita’s measure of distance. *Annals of the Institute of Statistical Mathematics*, 25(1):493–500, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479394>.

**Sinha:1973:CSE**

- [771] Bikas Kumar Sinha. Comparison of some experiments from sufficiency consideration. *Annals of the Institute of Statistical Mathematics*, 25(1):501–520, 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479395>.



**Choi:1973:CEP**

- [772] Keewhan Choi. A consistent estimator of the parameters of continuous compound distribution functions. *Annals of the Institute of Statistical Mathematics*, 25(1):521–532, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479396>.

**Harville:1973:DTL**

- [773] David A. Harville. The distribution of a truncated linear difference between independent chi-square variates. *Annals of the Institute of Statistical Mathematics*, 25(1):533–548, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479397>.

**Guttman:1973:UDW**

- [774] Irwin Guttman and W. Y. Tan. The use of the disguised Wishart distribution in a Bayesian approach to tolerance region construction. *Annals of the Institute of Statistical Mathematics*, 25(1):549–556, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479398>.

**Mathai:1973:FRA**

- [775] A. M. Mathai. A few remarks about some recent articles on the exact distributions of multivariate test criteria: I. *Annals of the Institute of Statistical Mathematics*, 25(1):557–566, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02479399>.

**Paik:1973:CFR**

- [776] U. B. Paik and W. T. Federer. On construction of fractional replicates and on aliasing schemes. *Annals of the Institute of Statistical Mathematics*, 25(1):567–585, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479400>.

**Chopra:1973:OBF**

- [777] D. V. Chopra and J. N. Srivastava. Optimal balanced  $2^7$  fractional factorial designs of resolution V, with  $N \leq 42$ . *Annals of the Institute of Statistical Mathematics*, 25(1):587–604, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479401>.

**Saha:1973:CTP**

- [778] G. M. Saha. On construction of  $T_m$ -type PBIB designs. *Annals of the Institute of Statistical Mathematics*, 25(1):605–616, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479402>.

**Gupta:1973:SPG**

- [779] B. C. Gupta and D. S. Tracy. Some properties and generating function of ordered partitions. *Annals of the Institute of Statistical Mathematics*, 25(1):617–626, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479403>.



[//link.springer.com/article/10.1007/BF02479403](http://link.springer.com/article/10.1007/BF02479403).

**Suzuki:1974:RBC**

**Singh:1973:OSR**

- [780] Ravindra Singh and B. V. Sukhatme. Optimum stratification with ratio and regression methods of estimation. *Annals of the Institute of Statistical Mathematics*, 25(1):627–633, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479404>.

**Itoh:1973:RPI**

- [781] Yoshiaki Itoh. On a ruin problem with interaction. *Annals of the Institute of Statistical Mathematics*, 25(1):635–641, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479405>.

**Brock:1973:GFT**

- [782] Dwight B. Brock and A. M. Kshirsagar. A  $\chi^2$  goodness-of-fit test for Markov renewal processes goodness-of-fit test for Markov renewal processes. *Annals of the Institute of Statistical Mathematics*, 25(1):643–654, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479406>.

**Anonymous:1973:HC**

- [783] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 25(1):??, ??? 1973. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

- [784] Giitiro Suzuki. Robustness of Bayes classification region. *Annals of the Institute of Statistical Mathematics*, 26(1):1–13, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479800>.

**Britney:1974:BPE**

- [785] Robert R. Britney and Robert L. Winkler. Bayesian point estimation and prediction. *Annals of the Institute of Statistical Mathematics*, 26(1):15–34, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479801>.

**Govindarajulu:1974:BPR**

- [786] Z. Govindarajulu and Charles Harvey. Bayesian procedures for ranking and selection problems. *Annals of the Institute of Statistical Mathematics*, 26(1):35–53, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479802>.

**Sen:1974:CS**

- [787] Pranab Kumar Sen. On  $L^p$ -convergence of  $U$ -statistics. *Annals of the Institute of Statistical Mathematics*, 26(1):55–60, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479803>.



**Venkataraman:1974:CTL**

- [788] K. N. Venkataraman. Convergence theorems on the least square estimators of the structural parameters of a linear explosive model. *Annals of the Institute of Statistical Mathematics*, 26(1):61–85, 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479804>.

**Susarla:1974:RCS**

- [789] V. Susarla. Rates of convergence in the sequence-compound squared-distance loss estimation and linear-loss two-action problems for a family of scale parameter exponential distributions. *Annals of the Institute of Statistical Mathematics*, 26(1):87–102, 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479805>.

**McCabe:1974:SER**

- [790] George P. McCabe, Jr. Sequential estimation of a restricted mean parameter of an exponential family. *Annals of the Institute of Statistical Mathematics*, 26(1):103–115, 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479806>.

**Sugiura:1974:AFH**

- [791] Nariaki Sugiura. Asymptotic formulas for the hypergeometric function  ${}_2F_1$  of matrix argument, useful in multivariate analysis. *Annals of the Institute of Statistical Mathematics*, 26(1):117–125, 1974. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479807>.

**Han:1974:ADD**

- [792] Chien-Pai Han. Asymptotic distribution of discriminant function when covariance matrices are proportional and unknown. *Annals of the Institute of Statistical Mathematics*, 26(1):127–133, 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479808>.

**Sen:1974:CSR**

- [793] P. K. Sen and P. R. Krishnaiah. On a class of simultaneous rank order tests in MANCOVA. *Annals of the Institute of Statistical Mathematics*, 26(1):135–145, 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479809>.

**Walsh:1974:EIA**

- [794] John E. Walsh. Exact investigation of all effects for extensions of one-way ANOVA model with random effects. *Annals of the Institute of Statistical Mathematics*, 26(1):147–152, 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479810>.

**Raghavarao:1974:SNS**

- [795] D. Raghavarao and K. R. Aggarwal. Some new series of PBIB designs and their applications. *Annals of the Institute of Statistical Mathematics*, 26(1):153–161, 1974. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479811>.

**Kageyama:1974:NRA**

- [796] Sanpei Kageyama. Note on the reduction of associate classes for PBIB designs. *Annals of the Institute of Statistical Mathematics*, 26(1):163–170, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479812>.

**Dey:1974:ITC**

- [797] A. Dey and G. M. Saha. An inequality for tactical configurations. *Annals of the Institute of Statistical Mathematics*, 26(1):171–173, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479813>.

**Taguchi:1974:FTS**

- [798] Tokio Taguchi. On Fechner's thesis and statistics with norm  $p$ . *Annals of the Institute of Statistical Mathematics*, 26(1):175–193, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479814>.

**Shimizu:1974:RTC**

- [799] Ryoichi Shimizu. On the remained term for the central limit theorem. *Annals of the Institute of Statistical Mathematics*, 26(1):195–201, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479815>.

**Anderson:1974:TCD**

- [800] Donald A. Anderson, Lyman L. McDonald, and Kim D. Weaver. Tests on categorical data from the union-intersection principle. *Annals of the Institute of Statistical Mathematics*, 26(1):203–213, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479816>.

**Khan:1974:SDE**

- [801] Rasul A. Khan. On sequential distinguishability for the exponential family. *Annals of the Institute of Statistical Mathematics*, 26(1):215–221, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479817>.

**Adichie:1974:SRP**

- [802] J. N. Adichie. On some robust properties of estimates of regression based on rank tests. *Annals of the Institute of Statistical Mathematics*, 26(1):223–231, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479818>.

**Ahmad:1974:SSS**

- [803] Rashid Ahmad. On the structure of symmetric sample testing: A distribution-free approach. *Annals of the Institute of Statistical Mathematics*, 26(1):233–245, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479819>.



**Waller:1974:BRS**

- [804] Ray A. Waller and David B. Duncan. A Bayes rule for the symmetric multiple comparisons problem II. *Annals of the Institute of Statistical Mathematics*, 26(1):247–264, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479820>.

**Ahuja:1974:CIL**

- [805] J. C. Ahuja and E. A. Enneking. Convolution of independent left-truncated negative binomial variables and limiting distributions. *Annals of the Institute of Statistical Mathematics*, 26(1):265–270, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479821>.

**Janardan:1974:MMP**

- [806] K. G. Janardan and G. P. Patil. On multivariate modified Polya and inverse Polya distributions and their properties. *Annals of the Institute of Statistical Mathematics*, 26(1):271–276, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479822>.

**Chou:1974:AEN**

- [807] Charissa Chou and Minoru Siotani. Asymptotic expansion of the non-null distribution of the ratio of two conditionally independent Hotelling's  $T_0^2$ -statistics. *Annals of the Institute of Statistical Mathematics*, 26(1):277–288, ??? 1974. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479823>.

**Fujikoshi:1974:AEN**

- [808] Yasunori Fujikoshi. Asymptotic expansions of the non-null distributions of three statistics in GMANOVA. *Annals of the Institute of Statistical Mathematics*, 26(1):289–297, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479824>.

**Srivastava:1974:IMD**

- [809] J. N. Srivastava and M. K. Zaatar. Incomplete multivariate designs, optimal with respect to Fisher's information matrix. *Annals of the Institute of Statistical Mathematics*, 26(1):299–313, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479825>.

**Aggarwal:1974:SHC**

- [810] K. R. Aggarwal. Some higher class PBIB designs and their application as confounded factorial experiments. *Annals of the Institute of Statistical Mathematics*, 26(1):315–323, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479826>.

**Nigam:1974:VFC**

- [811] A. K. Nigam. Variance functions for comparing mixture designs. *Annals of the Institute of Statistical Mathematics*, 26(1):325–329, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479827>.

**Hedayat:1974:PVB**

- [812] A. Hedayat and W. T. Federer. Pairwise and variance balanced incomplete block designs. *Annals of the Institute of Statistical Mathematics*, 26(1):331–338, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479828>.

**DeGraft-Johnson:1974:CRE**

- [813] K. T. DeGraft-Johnson and J. Sedransk. Comparison of ratio estimators in two-phase sampling. *Annals of the Institute of Statistical Mathematics*, 26(1):339–350, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479829>.

**Flaspohler:1974:QSD**

- [814] David C. Flaspohler. Quasi-stationary distributions for absorbing continuous-time denumerable Markov chains. *Annals of the Institute of Statistical Mathematics*, 26(1):351–356, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479830>.

**Wang:1974:NHP**

- [815] Y. H. Wang. A note on homogeneous processes with independent increments. *Annals of the Institute of Statistical Mathematics*, 26(1):357–360, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02479831>.

**Kakwani:1974:NEZ**

- [816] N. C. Kakwani. A note on the efficiency of the Zelliner's seemingly unrelated regressions estimator. *Annals of the Institute of Statistical Mathematics*, 26(1):361–362, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02479832>.

**Akaike:1974:MRS**

- [817] Hirotugu Akaike. Markovian representation of stochastic processes and its application to the analysis of autoregressive moving average processes. *Annals of the Institute of Statistical Mathematics*, 26(1):363–387, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479833>.

**Toussaint:1974:SPM**

- [818] Godfried T. Toussaint. Some properties of Matusita's measure of affinity of several distributions. *Annals of the Institute of Statistical Mathematics*, 26(1):389–394, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479834>.

**Nagao:1974:ANN**

- [819] Hisao Nagao. Asymptotic non-null distributions of two test criteria for equality of covariance matrices under local alternatives. *Annals of the Institute of Statistical Mathematics*, 26(1):395–402,



???? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479835>.

**Patil:1974:DMU**

- [820] S. A. Patil, J. L. Kovner, and D. C. Patel. The distribution of the MLE of the uniform correlation coefficient in the multivariate normal population. *Annals of the Institute of Statistical Mathematics*, 26(1):403–411, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479836>.

**Haq:1974:MMI**

- [821] M. Safiul Haq. A multivariate model with intra-class covariance structure. *Annals of the Institute of Statistical Mathematics*, 26(1):413–420, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479837>.

**Puri:1974:ADR**

- [822] Madan L. Puri and Norman L. Wykoff. Asymptotic distribution of rank statistics for experiments involving incomplete block designs. *Annals of the Institute of Statistical Mathematics*, 26(1):421–446, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479838>.

**Banerjee:1974:SOR**

- [823] K. S. Banerjee. Some observations on repeated spring balance weighing designs. *Annals of the Institute of*

*Statistical Mathematics*, 26(1):447–454, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479839>.

**Hayashi:1974:QAC**

- [824] Chikio Hayashi and Tatsuzo Suzuki. Quantitative approach to a cross-societal research; a comparative study of Japanese character. *Annals of the Institute of Statistical Mathematics*, 26(1):455–516, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02479840>.

**Anonymous:1974:HC**

- [825] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 26(1):??, ??? 1974. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hayashi:1975:QAC**

- [826] Chikio Hayashi and Tatsuzo Suzuki. Quantitative approach to a cross-societal research; a comparative study of Japanese character. Part II. *Annals of the Institute of Statistical Mathematics*, 27(1):1–32, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504621>.

**Yanagawa:1975:SRS**

- [827] Takashi Yanagawa. Stratified random sampling; gain in precision due to stratification in the case of proportional allocation. *Annals of the Institute of Statistical Mathematics*, 27(1):33–44,



???? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504622>.

**Philippou:1975:ANM**

- [828] A. N. Philippou and G. G. Rousas. Asymptotic normality of the maximum likelihood estimate in the independent not identically distributed case. *Annals of the Institute of Statistical Mathematics*, 27(1):45–55, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504623>.

**Ghosh:1975:SPC**

- [829] Malay Ghosh. On some properties of a class of Spearman rank statistics with applications. *Annals of the Institute of Statistical Mathematics*, 27(1):57–68, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504624>.

**Srivastava:1975:CRS**

- [830] M. S. Srivastava. On a class of rank scores tests for censored data. *Annals of the Institute of Statistical Mathematics*, 27(1):69–78, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504625>.

**Lwin:1975:MD**

- [831] Thaung Lwin. On von Mises directions. *Annals of the Institute of Statistical Mathematics*, 27(1):79–86, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02504626>.

**Huang:1975:CDE**

- [832] J. S. Huang. Characterization of distributions by the expected values of the order statistics. *Annals of the Institute of Statistical Mathematics*, 27(1):87–93, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504627>.

**Joshi:1975:IET**

- [833] S. W. Joshi. Integral expressions for tail probabilities of the negative multinomial distribution. *Annals of the Institute of Statistical Mathematics*, 27(1):95–97, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504628>.

**Fujikoshi:1975:AFN**

- [834] Yasunori Fujikoshi. Asymptotic formulas for the non-null distributions of three statistics for multivariate linear hypothesis. *Annals of the Institute of Statistical Mathematics*, 27(1):99–108, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504629>.

**Bhargava:1975:SRB**

- [835] R. P. Bhargava. Some results on beta distributions with application to multivariate problems. *Annals of the Institute of Statistical Mathematics*, 27(1):109–116, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504630>.

**Pesotan:1975:CAG**

- [836] H. Pesotan, B. L. Raktoe, and W. T. Federer. On complexes of abelian groups with applications to fractional factorial designs. *Annals of the Institute of Statistical Mathematics*, 27(1):117–142, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504631>.

**Yamamoto:1975:BAS**

- [837] Sumiyasu Yamamoto, Teruhiro Shirakura, and Masahide Kuwada. Balanced arrays of strength  $2^l$  and balanced fractional  $2^m$  factorial designs. *Annals of the Institute of Statistical Mathematics*, 27(1):143–157, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504632>.

**Banerjee:1975:SME**

- [838] A. K. Banerjee, A. Dey, and G. M. Saha. Some main effect plans for  $3^n$  factorials. *Annals of the Institute of Statistical Mathematics*, 27(1):159–165, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504633>.

**Gupta:1975:SNS**

- [839] T. K. Gupta and A. Dey. On some new second order rotatable designs. *Annals of the Institute of Statistical Mathematics*, 27(1):167–175, 1975.

1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504634>.

**Kageyama:1975:NCP**

- [840] Sanpei Kageyama. Note on the construction of partially balanced arrays. *Annals of the Institute of Statistical Mathematics*, 27(1):177–180, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504635>.

**Sidak:1975:NCG**

- [841] Zbynek Sidák. A note on C. G. Khatri's and A. Scott's papers on multivariate normal distributions. *Annals of the Institute of Statistical Mathematics*, 27(1):181–184, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504636>.

**Nagao:1975:CNN**

- [842] Hisao Nagao. Corrections to “Non-null distributions of the likelihood ratio criteria for independence and equality of mean vectors and covariance matrices”. *Annals of the Institute of Statistical Mathematics*, 27(1):185, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02504637>. See [680].

**Naik:1975:CSP**

- [843] Umesh D. Naik. Corrections to “Some posterior distributions concerning normal samples with applications to anal-



ysis of variance model I problems". *Annals of the Institute of Statistical Mathematics*, 27(1):187, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02504638>. See [744].

**Matsunawa:1975:EEJ**

- [844] T. Matsunawa. On the error evaluation of the joint normal approximation for sample quantiles. *Annals of the Institute of Statistical Mathematics*, 27(1):189–199, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504639>.

**Yamazaki:1975:PDT**

- [845] Genji Yamazaki and Hirotaka Sakasegawa. Properties of duality in tandem queueing systems. *Annals of the Institute of Statistical Mathematics*, 27(1):201–212, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504640>. See correction [962].

**Fu:1975:CAP**

- [846] James C. Fu and Leon Jay Gleser. Classical asymptotic properties of a certain estimator related to the maximum likelihood estimator. *Annals of the Institute of Statistical Mathematics*, 27(1):213–233, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504641>.

**Cacoullos:1975:MVU**

- [847] T. Cacoullos and Ch. Charalambides. On minimum variance unbiased estimation for truncated binomial and negative binomial distributions. *Annals of the Institute of Statistical Mathematics*, 27(1):235–244, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504642>.

**Sinha:1975:SPU**

- [848] Bikas Kumar Sinha and Bimal Kumar Sinha. Some problems of unbiased sequential binomial estimation. *Annals of the Institute of Statistical Mathematics*, 27(1):245–258, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504643>.

**Sharma:1975:BAI**

- [849] Ran S. Sharma. Bayes approach to interval estimation of a binomial parameter. *Annals of the Institute of Statistical Mathematics*, 27(1):259–267, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504644>.

**Kapadia:1975:EPT**

- [850] C. H. Kapadia and R. L. Thomasson. On estimating the parameter of a truncated geometric distribution by the method of moments. *Annals of the Institute of Statistical Mathematics*, 27(1):269–272, 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02504645>.

**Singh:1975:OSE**

- [851] Ravindra Singh and Dev Parkash. Optimum stratification for equal allocation. *Annals of the Institute of Statistical Mathematics*, 27(1):273–280, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504646>.

**Ali:1975:CCC**

- [852] Mir M. Ali and Winston A. Richards. On a conjecture concerning the common content of an  $N$ -cube and a diagonal cylinder. *Annals of the Institute of Statistical Mathematics*, 27(1):281–287, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504647>.

**Mase:1975:DID**

- [853] Shigeru Mase. Decomposition of infinitely divisible characteristic functions with absolutely continuous Poisson spectral measure. *Annals of the Institute of Statistical Mathematics*, 27(1):289–298, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504648>.

**Adichie:1975:NPS**

- [854] J. N. Adichie. Non-parametric  $c$ -sample tests with regression. *Annals of the Institute of Statistical Mathematics*, 27(1):299–307, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504649>.

<http://link.springer.com/article/10.1007/BF02504649>.

**Joshi:1975:SDT**

- [855] Prakash C. Joshi. Some distribution theory results for a regression model. *Annals of the Institute of Statistical Mathematics*, 27(1):309–317, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504650>.

**Gleser:1975:NBG**

- [856] Leon Jay Gleser and Ingram Olkin. A note on Box's general method of approximation for the null distributions of likelihood criteria. *Annals of the Institute of Statistical Mathematics*, 27(1):319–326, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504651>.

**Bhargava:1975:SOS**

- [857] R. P. Bhargava. Some one-sample hypothesis testing problems when there is a monotone sample from a multivariate normal population. *Annals of the Institute of Statistical Mathematics*, 27(1):327–339, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504652>.

**Gupta:1975:SIW**

- [858] A. K. Gupta. On a stochastic inequality for the Wilks statistic. *Annals of the Institute of Statistical Mathematics*, 27(1):341–348, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504653>. See correction [888].

**Han:1975:TEC**

- [859] Chien-Pai Han. Testing the equality of covariance matrices under intraclass correlation models. *Annals of the Institute of Statistical Mathematics*, 27(1):349–356, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504654>.

**Hirakawa:1975:SDL**

- [860] Fumiko Hirakawa. Some distributions of the latent roots of a complex Wishart matrix variate. *Annals of the Institute of Statistical Mathematics*, 27(1):357–363, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504655>.

**Bhargava:1975:ASM**

- [861] R. P. Bhargava and K. R. Shah. Analysis of some mixed-models for block and split-plot designs. *Annals of the Institute of Statistical Mathematics*, 27(1):365–375, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504656>.

**Shirakura:1975:NBF**

- [862] Teruhiro Shirakura and Masahide Kuwada. Note on balanced fractional  $2^m$  factorial designs of resolution  $2l + 1$ . *Annals of the Institute of*

*Statistical Mathematics*, 27(1):377–386, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504657>.

**Saha:1975:NRB**

- [863] G. M. Saha. A note on relations between incomplete block and weighing designs. *Annals of the Institute of Statistical Mathematics*, 27(1):387–390, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504658>.

**Inagaki:1975:WCL**

- [864] Nobuo Inagaki and Yoshihiko Ogata. The weak convergence of likelihood ratio random fields and its applications. *Annals of the Institute of Statistical Mathematics*, 27(1):391–419, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504659>.

**Ikeda:1975:SCU**

- [865] Sadao Ikeda. Some criteria for uniform asymptotic equivalence of real probability distributions. *Annals of the Institute of Statistical Mathematics*, 27(1):421–428, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504660>.

**Koul:1975:ANE**

- [866] Hira Lal Koul. Asymptotic normality of  $H-L$  estimators based on dependent data. *Annals of the Institute of Statistical Mathematics*, 27(1):429–441,



???? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504661>.

**Guttman:1975:EAC**

- [867] Irwin Guttman and Charles D. Palit. Effect of auto-correlations on the optimum allocations in two phase stratified sampling — a Bayesian approach. *Annals of the Institute of Statistical Mathematics*, 27(1):443–462, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504662>.

**Brown:1975:SDA**

- [868] George F. Brown, Jr. The small-disturbance asymptotic moment matrix of  $k$ -class estimates of parameters of different equations in a complete system of simultaneous linear equations. *Annals of the Institute of Statistical Mathematics*, 27(1):463–472, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504663>.

**Muirhead:1975:ADE**

- [869] Robb J. Muirhead and Yasuko Chikuse. Approximations for the distributions of the extreme latent roots of three matrices. *Annals of the Institute of Statistical Mathematics*, 27(1):473–478, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504664>.

**Sen:1975:TDC**

- [870] Ashish Sen and S. Srivastava. On tests for detecting change in mean when vari-

ance is unknown. *Annals of the Institute of Statistical Mathematics*, 27(1):479–486, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504665>.

**Gore:1975:SNT**

- [871] A. P. Gore. Some nonparametric tests and selection procedures for main effects in two-way layouts. *Annals of the Institute of Statistical Mathematics*, 27(1):487–500, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504666>.

**Sahai:1975:BEE**

- [872] Hardeo Sahai. Bayes equivariant estimators in a crossed classification random effects model. *Annals of the Institute of Statistical Mathematics*, 27(1):501–505, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504667>.

**Maejima:1975:LLT**

- [873] Makoto Maejima. On local limit theorems and Blackwell's renewal theorem for independent random variables. *Annals of the Institute of Statistical Mathematics*, 27(1):507–520, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504668>.

**Pirie:1975:NTT**

- [874] Walter R. Pirie and Myles Hollander. Note on a Tukey test for ordered al-



ternatives. *Annals of the Institute of Statistical Mathematics*, 27(1):521–523, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504669>.

**Kelleher:1975:ITW**

- [875] Grace J. Kelleher and John E. Walsh. Intervals and tests for weighted sum of percentiles  $\theta(p)$  and  $\theta(1-p)$  for symmetrical populations. *Annals of the Institute of Statistical Mathematics*, 27(1):525–527, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504670>.

**Kageyama:1975:NIT**

- [876] Sanpei Kageyama. Note on an inequality for tactical configurations. *Annals of the Institute of Statistical Mathematics*, 27(1):529–530, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02504671>.

**Anonymous:1975:HC**

- [877] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 27(1):??, ??? 1975. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Sakasegawa:1976:OMS**

- [878] Hirotaka Sakasegawa. Orthogonal mesh sampling method. *Annals of the Institute of Statistical Mathematics*, 28(1):1–7, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504725>.

[//link.springer.com/article/10.1007/BF02504725](http://link.springer.com/article/10.1007/BF02504725).

**Dharmadhikari:1976:CUD**

- [879] S. W. Dharmadhikari and Kumar Jogdeo. On characterizations of unimodality of discrete distributions. *Annals of the Institute of Statistical Mathematics*, 28(1):9–18, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504726>.

**deOliveira:1976:ABM**

- [880] J. Tiago de Oliveira. Asymptotic behaviour of maxima with periodic disturbances. *Annals of the Institute of Statistical Mathematics*, 28(1):19–23, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504727>.

**Srinivasan:1976:FRS**

- [881] R. Srinivasan and R. M. Wharton. Further results on simultaneous confidence intervals for the normal distribution. *Annals of the Institute of Statistical Mathematics*, 28(1):25–33, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504728>.

**Akahira:1976:AEE**

- [882] Masafumi Akahira. On the asymptotic efficiency of estimators in an autoregressive process. *Annals of the Institute of Statistical Mathematics*, 28(1):35–48, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504729>.



[//link.springer.com/article/10.1007/BF02504729](http://link.springer.com/article/10.1007/BF02504729).

**Stigum:1976:APD**

- [883] Bernt P. Stigum. Asymptotic properties of dynamic stochastic parameter estimates. *Annals of the Institute of Statistical Mathematics*, 28(1):49–75, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504730>.

**Beran:1976:AEA**

- [884] Rudolf Beran. Adaptive estimates for autoregressive processes. *Annals of the Institute of Statistical Mathematics*, 28(1):77–89, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504731>.

**Roy:1976:SAR**

- [885] Roch Roy. Spectral analysis for a random process on the sphere. *Annals of the Institute of Statistical Mathematics*, 28(1):91–97, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504732>.

**Rao:1976:ERS**

- [886] A. N. V. Rao and Chris P. Tsokos. On the existence of a random solution to a nonlinear perturbed stochastic integral equation. *Annals of the Institute of Statistical Mathematics*, 28(1):99–109, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504733>.

**Arvesen:1976:NTH**

- [887] James N. Arvesen. A note on the Tukey–Hooke variance component results. *Annals of the Institute of Statistical Mathematics*, 28(1):111–121, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504734>.

**Gupta:1976:CSI**

- [888] A. K. Gupta. Correction to “On a stochastic inequality for the Wilks statistic”. *Annals of the Institute of Statistical Mathematics*, 28(1):123, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02504735>. See [858].

**Matsubara:1976:BTI**

- [889] Nozomu Matsubara. Bayes theorem, information number and behavior of posterior distributions. *Annals of the Institute of Statistical Mathematics*, 28(1):125–144, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504736>. See corrections [919].

**Murakami:1976:RCC**

- [890] Masakatsu Murakami. On the reduction to a complete class in multiple decision problems. *Annals of the Institute of Statistical Mathematics*, 28(1):145–165, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504737>.



1007/BF02504737. See correction [920].

**Tiao:1976:SBC**

- [891] G. C. Tiao and B. Afonja. Some Bayesian considerations of the choice of design for ranking, selection and estimation. *Annals of the Institute of Statistical Mathematics*, 28(1):167–185, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504738>.

**Chikuse:1976:PDE**

- [892] Yasuko Chikuse. Partial differential equations for hypergeometric functions of complex argument matrices and their applications. *Annals of the Institute of Statistical Mathematics*, 28(1):187–199, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504739>.

**Gordon:1976:CWD**

- [893] F. S. Gordon and S. P. Gordon. Characterizations of the Wishart distribution using regression properties. *Annals of the Institute of Statistical Mathematics*, 28(1):201–220, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504740>.

**Noda:1976:ERF**

- [894] Kazuo Noda. Estimation of a regression function by the Parzen kernel-type density estimators. *Annals of the Institute of Statistical Mathematics*, 28(1):221–234, ??? 1976. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504741>.

**Saleh:1976:HLE**

- [895] A. K. Md. Ehsanes Saleh. Hodges–Lehmann estimate of the location parameter in censored samples. *Annals of the Institute of Statistical Mathematics*, 28(1):235–247, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504742>.

**Sinha:1976:AMT**

- [896] Bimal Kumar Sinha. Approximately minimax tests for testing hypotheses about a random parameter with unknown distribution. *Annals of the Institute of Statistical Mathematics*, 28(1):249–258, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504743>.

**Ahmad:1976:MSP**

- [897] R. Ahmad. On the multivariate  $k$ -sample problem and the generalization of the Kolmogorov–Smirnov-test. *Annals of the Institute of Statistical Mathematics*, 28(1):259–265, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504744>.

**Kim:1976:SD**

- [898] P. J. Kim. The Smirnov distribution. *Annals of the Institute of Statistical Mathematics*, 28(1):267–275, ???



1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504745>.

**Subrahmanya:1976:EQL**

- [899] M. T. Subrahmanya. Equitable quality level and error-areas under the operating characteristic curves of normal single sampling inspection plans (with  $\sigma$  known). *Annals of the Institute of Statistical Mathematics*, 28(1):277–290, 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504746>.

**Matsunawa:1976:SIB**

- [900] T. Matsunawa. Some inequalities based on inverse factorial series. *Annals of the Institute of Statistical Mathematics*, 28(1):291–305, 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504747>.

**Govindarajulu:1976:NDF**

- [901] Z. Govindarajulu. A note on distribution-free confidence bounds for  $P(X < Y)$  when  $X$  and  $Y$  are dependent. *Annals of the Institute of Statistical Mathematics*, 28(1):307–308, 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02504748>.

**Hayakawa:1976:NTC**

- [902] Takesi Hayakawa. The new test criterion for the homogeneity of parameters of several populations. *Annals of*

*the Institute of Statistical Mathematics*, 28(1):309–328, 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504749>.

**Yanagimoto:1976:ITS**

- [903] Takemi Yanagimoto and Masaaki Sibuya. Isotonic tests for spread and tail. *Annals of the Institute of Statistical Mathematics*, 28(1):329–342, 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504750>.

**Wegner:1976:EMP**

- [904] Horst Wegner. On the existence of maximum probability estimators. *Annals of the Institute of Statistical Mathematics*, 28(1):343–347, 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504751>.

**Chakravorti:1976:APM**

- [905] S. R. Chakravorti. On asymptotic properties of the maximum likelihood estimates of the general growth curve model. *Annals of the Institute of Statistical Mathematics*, 28(1):349–357, 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504752>.

**Wolfowitz:1976:AAE**

- [906] J. Wolfowitz. Asymptotically efficient estimators when the densities of the observations have discontinuities. *Annals of the Institute of Statistical Mathematics*, 28(1):359–370, 1976.



1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504753>.

**Trenkler:1976:NMT**

- [907] G. Trenkler. On a new method of testing statistical hypotheses. *Annals of the Institute of Statistical Mathematics*, 28(1):371–384, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504754>.

**Kirmani:1976:LBB**

- [908] S. N. U. A. Kirmani. A lower bound on Bayes risk in classification problems. *Annals of the Institute of Statistical Mathematics*, 28(1):385–387, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504755>.

**OBryan:1976:REB**

- [909] Thomas E. O'Bryan and V. Susarla. Rates in the empirical Bayes estimation problem with non-identical components. *Annals of the Institute of Statistical Mathematics*, 28(1):389–397, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504756>.

**Greenwood:1976:MTG**

- [910] J. Arthur Greenwood. Moments of the time to generate random variables by rejection. *Annals of the Institute of Statistical Mathematics*, 28(1):399–401, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02504757>.

**Nagao:1976:PST**

- [911] Hisao Nagao. Properties of some test criteria for covariance matrix. *Annals of the Institute of Statistical Mathematics*, 28(1):403–409, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504758>.

**Srivastava:1976:TST**

- [912] V. K. Srivastava and Ramji Tiwari. Two-stage and three-stage least squares estimation of dispersion matrix of disturbances in simultaneous equations. *Annals of the Institute of Statistical Mathematics*, 28(1):411–428, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504759>.

**Janardan:1976:CEP**

- [913] K. G. Janardan. Certain estimation problems for multivariate hypergeometric models. *Annals of the Institute of Statistical Mathematics*, 28(1):429–444, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504760>.

**Reddy:1976:SSR**

- [914] V. Nagi Reddy. Stratified simple random sampling and prior distributions. *Annals of the Institute of Statistical Mathematics*, 28(1):445–459, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02504761>.

**Koop:1976:BRE**

- [915] J. C. Koop. Bias reduction and efficiency of reconstructed ratio estimators for a finite universe. *Annals of the Institute of Statistical Mathematics*, 28(1):461–467, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504762>.

**Davies:1976:IDL**

- [916] Laurie Davies and Ryoichi Shimizu. On identically distributed linear statistics. *Annals of the Institute of Statistical Mathematics*, 28(1):469–489, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504763>.

**Dallas:1976:CPP**

- [917] A. C. Dallas. Characterizing the Pareto and power distributions. *Annals of the Institute of Statistical Mathematics*, 28(1):491–497, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504764>.

**Charalambides:1976:ANC**

- [918] Ch. A. Charalambides. The asymptotic normality of certain combinatorial distributions. *Annals of the Institute of Statistical Mathematics*, 28(1):499–506, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504765>.

**Matsubara:1976:CBT**

- [919] Nozomu Matsubara. Corrections to “Bayes theorem, information number and behavior of posterior distributions”. *Annals of the Institute of Statistical Mathematics*, 28(1):507, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02504766>. See [889].

**Murakami:1976:CRC**

- [920] Masakatsu Murakami. Correction to “On the reduction to a complete class in multiple decision problems”. *Annals of the Institute of Statistical Mathematics*, 28(1):508, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02504767>. See [890].

**Hasegawa:1976:PSD**

- [921] Masami Hasegawa and Masaharu Tanemura. On the pattern of space division by territories. *Annals of the Institute of Statistical Mathematics*, 28(1):509–519, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02504768>.

**Anonymous:1976:HC**

- [922] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 28(1):??, ??? 1976. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).



Takahasi:1977:RRT

- [923] Koiti Takahasi and Hirotaka Sakasegawa. A randomized response technique without making use of any randomizing device. *Annals of the Institute of Statistical Mathematics*, 29(1):1–8, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532769>.

Akaike:1977:OUB

- [924] Hirotugu Akaike. An objective use of Bayesian models. *Annals of the Institute of Statistical Mathematics*, 29(1):9–20, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532770>.

Hirano:1977:EPB

- [925] Katuomi Hirano. Estimation procedures based on preliminary test, shrinkage technique and information criterion. *Annals of the Institute of Statistical Mathematics*, 29(1):21–34, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532771>. See corrections [948].

Gupta:1977:TPM

- [926] Somesh Das Gupta. Two problems in multivariate analysis: BLUS residuals and testability of linear hypothesis. *Annals of the Institute of Statistical Mathematics*, 29(1):35–41, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532772>.

Stone:1977:UAC

- [927] M. Stone. A unified approach to coordinate-free multivariate analysis. *Annals of the Institute of Statistical Mathematics*, 29(1):43–57, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532773>.

Chiu:1977:CSR

- [928] W. K. Chiu. On correct selection for a ranking problem. *Annals of the Institute of Statistical Mathematics*, 29(1):59–66, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532774>.

Sakasegawa:1977:AF

- [929] Hirotaka Sakasegawa. An approximation formula  $L_q \simeq \alpha \cdot \rho^\beta / (1 - \rho)$ . *Annals of the Institute of Statistical Mathematics*, 29(1):67–75, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532775>.

Puri:1977:ADM

- [930] Prem S. Puri. On the asymptotic distribution of the maximum of sums of a random number of I.I.D. random variables. *Annals of the Institute of Statistical Mathematics*, 29(1):77–87, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532776>.



**Mudholkar:1977:SBD**

- [931] Govind S. Mudholkar and Sridhartha R. Dalal. Some bounds on the distribution functions of linear combinations and applications. *Annals of the Institute of Statistical Mathematics*, 29(1):89–100, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532777>.

**Venkataraman:1977:SLT**

- [932] K. N. Venkataraman. A spectral limit theorem on a non-linear stochastic process with non-additive, independent, linear components. *Annals of the Institute of Statistical Mathematics*, 29(1):101–118, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532778>.

**Patel:1977:HMM**

- [933] Y. C. Patel. Higher moments of moment estimators and even point estimators for the parameters of the Hermite distribution. *Annals of the Institute of Statistical Mathematics*, 29(1):119–130, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532779>.

**Inagaki:1977:TES**

- [934] Nobuo Inagaki. Two errors in statistical model fitting. *Annals of the Institute of Statistical Mathematics*, 29(1):131–152, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532780>.

[//link.springer.com/article/10.1007/BF02532780](http://link.springer.com/article/10.1007/BF02532780).

**Akaike:1977:EMM**

- [935] Hirotugu Akaike. An extension of the method of maximum likelihood and the Stein's problem. *Annals of the Institute of Statistical Mathematics*, 29(1):153–164, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532781>.

**Ogata:1977:WCL**

- [936] Yoshihiko Ogata and Nobuo Inagaki. The weak convergence of the likelihood ratio random fields for Markov observations. *Annals of the Institute of Statistical Mathematics*, 29(1):165–187, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532782>.

**Lind:1977:CTC**

- [937] Bruce Lind and George Roussas. Cramér-type conditions and quadratic mean differentiability. *Annals of the Institute of Statistical Mathematics*, 29(1):189–201, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532783>.

**Roussas:1977:APM**

- [938] George G. Roussas. Asymptotic properties of the maximum probability estimates in Markov processes. *Annals of the Institute of Statistical Mathematics*, 29(1):203–219, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532784>.



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532784>.

**Chikuse:1977:AEJ**

- [939] Yasuko Chikuse. Asymptotic expansions for the joint and marginal distributions of the latent roots of  $S_1 S_2^{-1}$ . *Annals of the Institute of Statistical Mathematics*, 29(1):221–233, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532785>.

**Isogai:1977:AED**

- [940] Takafumi Isogai. Asymptotic expansions for the distributions of latent roots of  $S_h S_e^{-1}$  and of certain test statistics in MANOVA. *Annals of the Institute of Statistical Mathematics*, 29(1):235–246, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532786>.

**Lachenbruch:1977:CAD**

- [941] Peter A. Lachenbruch. Covariance adjusted discriminant functions. *Annals of the Institute of Statistical Mathematics*, 29(1):247–257, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532787>.

**Nath:1977:ICP**

- [942] G. Baikunth Nath. Inference concerning the population correlation coefficient from bivariate normal samples based on minimal observations. *Annals of the Institute of Statistical Mathematics*, 29(1):259–273, 1977.

1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532788>.

**Mase:1977:DID**

- [943] Shigeru Mase. Decomposition of infinitely divisible characteristic functions without Gaussian component. *Annals of the Institute of Statistical Mathematics*, 29(1):275–286, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532789>.

**Stephens:1977:WRC**

- [944] M. A. Stephens. Whitworth runs on a circle. *Annals of the Institute of Statistical Mathematics*, 29(1):287–293, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532790>.

**Tashiro:1977:MGU**

- [945] Yoshihiro Tashiro. On methods for generating uniform random points on the surface of a sphere. *Annals of the Institute of Statistical Mathematics*, 29(1):295–300, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532791>.

**Srivastava:1977:ESD**

- [946] J. N. Srivastava and S. Ghosh. On the existence of search designs with continuous factors. *Annals of the Institute of Statistical Mathematics*, 29(1):301–306, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02532792>.

**Makino:1977:III**

- [947] Toji Makino. On the independence of interdeparture intervals from single server queueing systems. *Annals of the Institute of Statistical Mathematics*, 29(1):307–315, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532793>. See corrections [1328].

**Hirano:1977:CEP**

- [948] Katuomi Hirano. Corrections to “Estimation procedures based on preliminary test, shrinkage technique and information criterion”. *Annals of the Institute of Statistical Mathematics*, 29(1):317, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02532794>. See [925].

**Kitagawa:1977:SPO**

- [949] Genshiro Kitagawa. On a search procedure for the optimal AR-MA order. *Annals of the Institute of Statistical Mathematics*, 29(1):319–332, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532795>.

**Matsunawa:1977:APB**

- [950] T. Matsunawa. Approximations to the probabilities of binomial and multinomial random variables and chi-square type statistics. *Annals of the Institute of Statistical Mathematics*, 29

(1):333–358, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532796>.

**Hayakawa:1977:LRC**

- [951] Takesi Hayakawa. The likelihood ratio criterion and the asymptotic expansion of its distribution. *Annals of the Institute of Statistical Mathematics*, 29(1):359–378, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532797>. See corrections [1456].

**Fujikoshi:1977:AED**

- [952] Y. Fujikoshi. An asymptotic expansion for the distributions of the latent roots of the Wishart matrix with multiple population roots. *Annals of the Institute of Statistical Mathematics*, 29(1):379–387, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532798>.

**Konishi:1977:AED**

- [953] Sadanori Konishi. Asymptotic expansion for the distribution of a function of latent roots of the covariance matrix. *Annals of the Institute of Statistical Mathematics*, 29(1):389–396, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532799>.

**Takeuchi:1977:EET**

- [954] Kei Takeuchi and Masafumi Akahira. Extension of Edgeworth type expan-



sion of the distribution of the sums of I.I.D. random variables in non-regular cases. *Annals of the Institute of Statistical Mathematics*, 29(1):397–406, ??? 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532800>.

**Nakatsuka:1977:RAC**

- [955] Toshinao Nakatsuka. Regions of autocorrelation coefficients and of their estimators in a stationary time series. *Annals of the Institute of Statistical Mathematics*, 29(1):407–414, ??? 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532801>.

**Huzii:1977:SEO**

- [956] Mituaki Huzii. On a spectral estimate obtained by an autoregressive model fitting. *Annals of the Institute of Statistical Mathematics*, 29(1):415–431, ??? 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532802>. See corrections [957, 996].

**Huzii:1977:CSE**

- [957] Mituaki Huzii. Corrections to “On a spectral estimate obtained by an autoregressive model fitting”. *Annals of the Institute of Statistical Mathematics*, 29(1):432, ??? 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02532803>. See [956].

**Nishi:1977:LCP**

- [958] Akihiro Nishi. On linear classification procedures between two categories with known mean vectors and covariance matrices. *Annals of the Institute of Statistical Mathematics*, 29(1):433–444, ??? 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532804>.

**Sakasegawa:1977:IAF**

- [959] Hirotaka Sakasegawa and Genji Yamazaki. Inequalities and an approximation formula for the mean delay time in tandem queueing systems. *Annals of the Institute of Statistical Mathematics*, 29(1):445–466, ??? 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532805>.

**Finney:1977:ERC**

- [960] D. J. Finney. Estimation of the response curve in radioligand assays. *Annals of the Institute of Statistical Mathematics*, 29(1):467–477, ??? 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532806>.

**Barankin:1977:BNF**

- [961] Edward W. Barankin. Build-up of the notion of flanking. *Annals of the Institute of Statistical Mathematics*, 29(1):479–507, ??? 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532807>.



**Yamazaki:1977:CPD**

- [962] Genji Yamazaki and Hirotaka Sakasegawa. Correction to “Properties of duality in tandem queueing systems”. *Annals of the Institute of Statistical Mathematics*, 29(1):509, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02532808>. See [845].

**Suzuki:1977:MPI**

- [963] Tatsuzo Suzuki and Ted T. Jitodai. Migration and prefectural identification in four Japanese prefectures. *Annals of the Institute of Statistical Mathematics*, 29(1):511–525, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02532809>.

**Anonymous:1977:HC**

- [964] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 29(1):??, 1977. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hirano:1978:LSP**

- [965] Katuomi Hirano. On level of significance of the preliminary test in pooling means. *Annals of the Institute of Statistical Mathematics*, 30(1):1–8, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480193>.

**Akaike:1978:BAM**

- [966] Hirotugu Akaike. A Bayesian analysis of the minimum AIC procedure.

*Annals of the Institute of Statistical Mathematics*, 30(1):9–14, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480194>.

**Suzuki:1978:DOT**

- [967] Giitiro Suzuki. Detecting optimum time of control action for a manufacturing system. *Annals of the Institute of Statistical Mathematics*, 30(1):15–26, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480195>.

**Murakami:1978:RCC**

- [968] Masakatsu Murakami. On the reduction to a complete class in multiple decision problems (2). *Annals of the Institute of Statistical Mathematics*, 30(1):27–34, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480196>.

**Nogami:1978:SCO**

- [969] Yoshiko Nogami. The set-compound one-stage estimation in the nonregular family of distributions over the interval  $(0, \theta)$ . *Annals of the Institute of Statistical Mathematics*, 30(1):35–43, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480197>.

**Choi:1978:APL**

- [970] Keewhan Choi. Asymptotic properties of least squares estimators for discrete compound distributions. *Annals*



of the *Institute of Statistical Mathematics*, 30(1):45–50, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480198>.

**Hayakawa:1978:AED**

- [971] Takesi Hayakawa. The asymptotic expansion of the distribution of Anderson's statistic for testing a latent vector of a covariance matrix. *Annals of the Institute of Statistical Mathematics*, 30(1):51–55, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480199>.

**Chikuse:1978:ADL**

- [972] Yasuko Chikuse. Asymptotic distributions of the latent roots with multiple population roots in multiple discriminant analysis. *Annals of the Institute of Statistical Mathematics*, 30(1):57–62, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480200>.

**Anderson:1978:UFP**

- [973] T. W. Anderson and S. G. Ghurye. Unique factorization of products of bivariate normal cumulative distribution functions. *Annals of the Institute of Statistical Mathematics*, 30(1):63–69, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480201>.

**Davis:1978:ADG**

- [974] A. W. Davis. On the asymptotic distribution of Gower's  $m^2$  goodness-

of-fit criterion in a particular case. *Annals of the Institute of Statistical Mathematics*, 30(1):71–79, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480202>.

**Szatrowski:1978:ESO**

- [975] Ted H. Szatrowski. Explicit solutions, one iteration convergence and averaging in the multivariate normal estimation problem for patterned means and covariances. *Annals of the Institute of Statistical Mathematics*, 30(1):81–88, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480203>.

**Srivastava:1978:LSA**

- [976] V. K. Srivastava and Sushama Upadhyaya. Large-sample approximations in seemingly unrelated regression equations. *Annals of the Institute of Statistical Mathematics*, 30(1):89–96, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480204>.

**Wakimoto:1978:CGM**

- [977] Kazumasa Wakimoto and Masaaki Taguri. Constellation graphical method for representing multi-dimensional data. *Annals of the Institute of Statistical Mathematics*, 30(1):97–104, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480205>.



Györfi:1978:DGA

- [978] L. Györfi and T. Nemetz.  $f$ -Dissimilarity: A generalization of the affinity of several distributions. *Annals of the Institute of Statistical Mathematics*, 30(1):105–113, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480206>.

Kageyama:1978:RNA

- [979] S. Kageyama, G. M. Saha, and A. D. Das. Reduction of the number of associate classes of hypercubic association schemes. *Annals of the Institute of Statistical Mathematics*, 30(1):115–123, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480207>.

Barankin:1978:BRVa

- [980] Edward W. Barankin and Koiti Takashasi. Betweenness for real vectors and lines, I. Basic generalities. *Annals of the Institute of Statistical Mathematics*, 30(1):125–162, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480208>.

Ahsanullah:1978:CED

- [981] M. Ahsanullah. On a characterization of the exponential distribution by spacings. *Annals of the Institute of Statistical Mathematics*, 30(1):163–166, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480209>.

Hwang:1978:NBM

- [982] J. S. Hwang. A note on Bernstein and Müntz–Szász theorems with applications to the order statistics. *Annals of the Institute of Statistical Mathematics*, 30(1):167–176, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480210>.

Takahashi:1978:NPS

- [983] Rinya Takahashi. Note on  $k$ -point separation measurement. *Annals of the Institute of Statistical Mathematics*, 30(1):177–179, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480211>.

Eaton:1978:NGM

- [984] Morris L. Eaton. A note on the Gauss–Markov theorem. *Annals of the Institute of Statistical Mathematics*, 30(1):181–184, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480212>.

Sakamoto:1978:ACC

- [985] Yosiyuki Sakamoto and Hirotugu Akaike. Analysis of cross classified data by AIC. *Annals of the Institute of Statistical Mathematics*, 30(1):185–197, 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480213>.



**Hayashi:1978:CTT**

- [986] Chikio Hayashi and Fumi Hayashi. Comparison of two types of multidimensional scaling methods. *Annals of the Institute of Statistical Mathematics*, 30(1):199–209, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480214>.

**Taguchi:1978:GGD**

- [987] Tokio Taguchi. On a generalization of Gaussian distribution. *Annals of the Institute of Statistical Mathematics*, 30(1):211–242, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480215>. See corrections [1009].

**Ogata:1978:ABM**

- [988] Yoshiko Ogata. The asymptotic behaviour of maximum likelihood estimators for stationary point processes. *Annals of the Institute of Statistical Mathematics*, 30(1):243–261, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480216>.

**Shimizu:1978:EMP**

- [989] Ryoichi Shimizu. Entropy maximization principle and selection of the order of an autoregressive Gaussian process. *Annals of the Institute of Statistical Mathematics*, 30(1):263–270, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480217>.

**Sakasegawa:1978:GNP**

- [990] Hirotaka Sakasegawa. On a generation of normal pseudo-random numbers. *Annals of the Institute of Statistical Mathematics*, 30(1):271–279, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480218>.

**Tolley:1978:NPT**

- [991] H. Dennis Tolley. A non-parametric test for composite hypotheses in survival analysis. *Annals of the Institute of Statistical Mathematics*, 30(1):281–295, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480219>.

**Davies:1978:LSE**

- [992] Laurie Davies and Ludwig Baringhaus. Linear statistics and exponential families. *Annals of the Institute of Statistical Mathematics*, 30(1):297–314, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480220>.

**Nakatsuka:1978:RAC**

- [993] Toshinao Nakatsuka. Regions of autocorrelation coefficients in  $AR(p)$  and  $EX(p)$  processes. *Annals of the Institute of Statistical Mathematics*, 30(1):315–319, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480221>.



**Rao:1978:DEM**

- [994] B. L. S. Prakasa Rao. Density estimation for Markov processes using delta-sequences. *Annals of the Institute of Statistical Mathematics*, 30(1):321–328, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480222>.

**Tanaka:1978:SGM**

- [995] Yutaka Tanaka. Some generalized methods of optimal scaling and their asymptotic theories: The case of multiple responses-multiple factors. *Annals of the Institute of Statistical Mathematics*, 30(1):329–348, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480223>.

**Anonymous:1978:CSE**

- [996] Anonymous. Corrections to “On a spectral estimate obtained by an autoregressive model fitting”. *Annals of the Institute of Statistical Mathematics*, 30(1):349, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02480224>. See [956].

**Kitagawa:1978:PMN**

- [997] Genshiro Kitagawa and Hirotugu Akaike. A procedure for the modeling of non-stationary time series. *Annals of the Institute of Statistical Mathematics*, 30(1):351–363, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480225>.

[//link.springer.com/article/10.1007/BF02480225](http://link.springer.com/article/10.1007/BF02480225).

**Siotani:1978:STP**

- [998] Minoru Siotani, Dhanwant S. Gill, and Christian Löschcke. Stepwise test procedures and approximate chi-square analysis. *Annals of the Institute of Statistical Mathematics*, 30(1):365–375, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480226>.

**Nagao:1978:AED**

- [999] Hisao Nagao. An asymptotic expansion for the distribution of a function of latent roots of the noncentral Wishart matrix, when  $\omega = O(n)$ . *Annals of the Institute of Statistical Mathematics*, 30(1):377–383, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480227>.

**vanderMerwe:1978:AES**

- [1000] A. J. van der Merwe and D. J. de Waal. The asymptotic expansion of the Stein estimators for the vector case. *Annals of the Institute of Statistical Mathematics*, 30(1):385–395, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480228>.

**Taylor:1978:UCC**

- [1001] R. L. Taylor and K. F. Cheng. On the uniform complete convergence of density function estimates. *Annals of the Institute of Statistical Mathematics*, 30(1):397–406, ???



1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480229>.

**Bhattacharya:1978:YTE**

- [1002] C. G. Bhattacharya. Yates type estimators of a common mean. *Annals of the Institute of Statistical Mathematics*, 30(1):407–414, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480230>.

**Campos:1978:ECR**

- [1003] Antonio Dorival Campos. An extension of the Cramér-Rao inequality for a sequential procedure without assuming regularity conditions. *Annals of the Institute of Statistical Mathematics*, 30(1):415–419, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480231>.

**Cressie:1978:TET**

- [1004] Noel Cressie. Testing for the equality of two binomial proportions. *Annals of the Institute of Statistical Mathematics*, 30(1):421–427, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480232>.

**Ahsanullah:1978:RVE**

- [1005] M. Ahsanullah. Record values and the exponential distribution. *Annals of the Institute of Statistical Mathematics*, 30(1):429–433, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480233>.

**Cressie:1978:FTC**

- [1006] Noel Cressie. A finely tuned continuity correction. *Annals of the Institute of Statistical Mathematics*, 30(1):435–442, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480234>.

**Barankin:1978:BRVb**

- [1007] Edward W. Barankin and Koiti Takahasi. Betweenness for real vectors and lines, II. Relatedness of betweennesses. *Annals of the Institute of Statistical Mathematics*, 30(1):443–464, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480235>.

**Morettin:1978:HSP**

- [1008] P. A. Morettin. On homogeneous stochastic processes on compact Abelian groups. *Annals of the Institute of Statistical Mathematics*, 30(1):465–472, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480236>.

**Taguchi:1978:SCS**

- [1009] Tokio Taguchi. Some corrections and supplements “On a generalization of Gaussian distribution”. *Annals of the Institute of Statistical Mathematics*, 30(1):473–475, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480237>.



[//link.springer.com/article/10.1007/BF02480237](http://link.springer.com/article/10.1007/BF02480237). See [987].

**Chiu:1978:AP**

- [1010] W. K. Chiu. Acknowledgement of priority. *Annals of the Institute of Statistical Mathematics*, 30(1):477, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02480238>.

**Ishiguro:1978:SAC**

- [1011] Makio Ishiguro. A scheme of adaptive control. *Annals of the Institute of Statistical Mathematics*, 30(1):479–498, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480239>.

**Akaike:1978:CMC**

- [1012] Hirotugu Akaike. Covariance matrix computation of the state variable of a stationary Gaussian process. *Annals of the Institute of Statistical Mathematics*, 30(1):499–504, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480240>.

**Anonymous:1978:HC**

- [1013] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 30(1):??, ??? 1978. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hudimoto:1979:EBA**

- [1014] Hiroshi Hudimoto. On the empirical Bayes approach to classification

in the case of discrete multivariate distribution having only finite mass points. *Annals of the Institute of Statistical Mathematics*, 31(1):1–7, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480261>.

**Bhaskar:1979:NTS**

- [1015] V. P. Bhaskar. Nonparametric tests for scalar profile analysis of several multivariate samples. *Annals of the Institute of Statistical Mathematics*, 31(1):9–20, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480262>.

**Akritis:1979:AEL**

- [1016] M. G. Akritis and G. G. Roussas. Asymptotic expansion of the log-likelihood function based on stopping times defined on a Markov process. *Annals of the Institute of Statistical Mathematics*, 31(1):21–38, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480263>.

**Akahira:1979:DLM**

- [1017] Masafumi Akahira and Kei Takeuchi. Discretized likelihood methods — asymptotic properties of discretized likelihood estimators (DLE's). *Annals of the Institute of Statistical Mathematics*, 31(1):39–56, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480264>.



**Shirakura:1979:ABA**

- [1018] Teruhiro Shirakura. Alias balanced and alias partially balanced fractional  $2^m$  factorial designs of resolution  $2l + 1$ . *Annals of the Institute of Statistical Mathematics*, 31(1):57–65, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480265>.

**Shaked:1979:SCP**

- [1019] Moshe Shaked. Some concepts of positive dependence for bivariate interchangeable distributions. *Annals of the Institute of Statistical Mathematics*, 31(1):67–84, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480266>.

**Pillai:1979:ERS**

- [1020] K. C. S. Pillai and Yu-Sheng Hsu. Exact robustness studies of the test of independence based on four multivariate criteria and their distribution problems under violations. *Annals of the Institute of Statistical Mathematics*, 31(1):85–101, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480267>.

**Aickin:1979:EMD**

- [1021] M. Aickin. Existence of MLEs for discrete linear exponential models. *Annals of the Institute of Statistical Mathematics*, 31(1):103–113, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02480268>.

**Tanaka:1979:OSA**

- [1022] Yutaka Tanaka. Optimal scaling for arbitrarily ordered categories. *Annals of the Institute of Statistical Mathematics*, 31(1):115–124, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480269>.

**Niki:1979:MFN**

- [1023] Naoto Niki. Multi-folding the normal distribution and mutual transformation between uniform and normal random variables. *Annals of the Institute of Statistical Mathematics*, 31(1):125–140, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480270>. See corrections [1045].

**Ray:1979:NRP**

- [1024] S. K. Ray, Ashok Sahai, and Ajit Sahai. A note on ratio and product type estimators. *Annals of the Institute of Statistical Mathematics*, 31(1):141–144, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480271>.

**Ozaki:1979:MLE**

- [1025] T. Ozaki. Maximum likelihood estimation of Hawkes' self-exciting point processes. *Annals of the Institute of Statistical Mathematics*, 31(1):145–155, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02480272>.

**Itoh:1979:RPM**

- [1026] Yoshiaki Itoh and Sumie Ueda. A random packing model for elections. *Annals of the Institute of Statistical Mathematics*, 31(1):157–167, 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480273>.

**Nogami:1979:ESC**

- [1027] Yoshiko Nogami. The  $k$ -extended set-compound estimation problem in a nonregular family of distributions over  $[\theta, \theta + 1)$ . *Annals of the Institute of Statistical Mathematics*, 31(1):169–176, 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480274>.

**Takada:1979:SPP**

- [1028] Yoshikazu Takada. Stein's positive part estimator and Bayes estimator. *Annals of the Institute of Statistical Mathematics*, 31(1):177–183, 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480275>.

**Chu:1979:PCT**

- [1029] S. Sylvia Chu and K. C. S. Pillai. Power comparisons of two-sided tests of equality of two covariance matrices based on six criteria. *Annals of the Institute of Statistical Mathematics*, 31(1):185–205, 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480276>.

**Gupta:1979:CZP**

- [1030] Rameshwar D. Gupta and Donald Richards. Calculation of zonal polynomials of  $3 \times 3$  positive definite symmetric matrices. *Annals of the Institute of Statistical Mathematics*, 31(1):207–213, 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480277>.

**Mathai:1979:DEP**

- [1031] A. M. Mathai and R. S. Katiyar. The distribution and the exact percentage points for Wilks'  $L_{mvc}$  criterion. *Annals of the Institute of Statistical Mathematics*, 31(1):215–224, 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480278>.

**Pandey:1979:DSE**

- [1032] B. N. Pandey. Double stage estimation of population variance. *Annals of the Institute of Statistical Mathematics*, 31(1):225–233, 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480279>.

**Gupta:1979:SSP**

- [1033] Shanti S. Gupta and Ming-Wei Lu. Subset selection procedures for restricted families of probability distributions. *Annals of the Institute of Statistical Mathematics*, 31(1):235–252, 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480280>.



**Koop:1979:SIS**

- [1034] J. C. Koop. On statistical inference in sample surveys and the underlying role of randomization. *Annals of the Institute of Statistical Mathematics*, 31(1):253–269, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480281>.

**Brillinger:1979:CFP**

- [1035] David R. Brillinger. A continuous form of post-stratification. *Annals of the Institute of Statistical Mathematics*, 31(1):271–277, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480282>.

**Ahmad:1979:SCD**

- [1036] Ibrahim A. Ahmad. Strong consistency of density estimation by orthogonal series methods for dependent variables with applications. *Annals of the Institute of Statistical Mathematics*, 31(1):279–288, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480283>.

**Kirmani:1979:RBM**

- [1037] S. N. U. A. Kirmani. On the relation between Matusita's and Kolmogorov's measures of distance. *Annals of the Institute of Statistical Mathematics*, 31(1):289–291, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480284>.

**Kageyama:1979:MEI**

- [1038] Sanpei Kageyama. Mathematical expression of an inequality for a block design. *Annals of the Institute of Statistical Mathematics*, 31(1):293–298, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480285>.

**deHaan:1979:BRS**

- [1039] Laurens de Haan and Elselien Taconis-Haantjes. On Bahadur's representation of sample quantiles. *Annals of the Institute of Statistical Mathematics*, 31(1):299–308, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480286>.

**Shimizu:1979:LMP**

- [1040] R. Shimizu. On a lack of memory property of the exponential distribution. *Annals of the Institute of Statistical Mathematics*, 31(1):309–313, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480287>.

**Killeen:1979:LDD**

- [1041] Timothy J. Killeen. On large deviations and density functions. *Annals of the Institute of Statistical Mathematics*, 31(1):315–317, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480288>.



**Nakatsuka:1979:NEW**

- [1042] Toshinao Nakatsuka. Nonexistence of estimates which minimize  $x'V^{-1}x$  in an exponential type of stationary time series. *Annals of the Institute of Statistical Mathematics*, 31(1):319–320, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02480289>.

**Joshi:1979:NMO**

- [1043] P. C. Joshi. A note on the moments of order statistics from doubly truncated exponential distribution. *Annals of the Institute of Statistical Mathematics*, 31(1):321–324, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480290>.

**Hayashi:1979:NSM**

- [1044] Chikio Hayashi, Tsutomu Komazawa, and Fumi Hayashi. A new statistical method to estimate the size of animal population. *Annals of the Institute of Statistical Mathematics*, 31(1):325–348, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480291>.

**Niki:1979:CMF**

- [1045] Naoto Niki. Corrections to “Multifolding the normal distribution and mutual transformation between uniform and normal random variables”. *Annals of the Institute of Statistical Mathematics*, 31(1):349, ??? 1979. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02480292>. See [1023].

**Tanemura:1979:RCP**

- [1046] Masaharu Tanemura. On random complete packing by discs. *Annals of the Institute of Statistical Mathematics*, 31(1):351–365, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480293>.

**Shimizu:1979:CED**

- [1047] R. Shimizu. A characterization of the exponential distribution. *Annals of the Institute of Statistical Mathematics*, 31(1):367–372, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480294>.

**Sibuya:1979:GHD**

- [1048] Masaaki Sibuya. Generalized hypergeometric, digamma and trigamma distributions. *Annals of the Institute of Statistical Mathematics*, 31(1):373–390, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480295>.

**Lingappaiah:1979:BAP**

- [1049] G. S. Lingappaiah. Bayesian approach to prediction and the spacings in the exponential distribution. *Annals of the Institute of Statistical Mathematics*, 31(1):391–401, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02480296>.

**Takeuchi:1979:AOG**

- [1050] Kei Takeuchi and Masafumi Akahira. Asymptotic optimality of the generalized Bayes estimator in multiparameter cases. *Annals of the Institute of Statistical Mathematics*, 31(1):403–415, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480297>.

**Campos:1979:EIV**

- [1051] Antonio Dorival Campos. Extension of the inequality for the variance of an estimator by Bayesian process. *Annals of the Institute of Statistical Mathematics*, 31(1):417–421, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480298>.

**Tong:1979:SNP**

- [1052] Y. L. Tong. Some new properties of the Bechhofer–Kiefer–Sobel stopping rule. *Annals of the Institute of Statistical Mathematics*, 31(1):423–433, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480299>.

**McDunnough:1979:EIP**

- [1053] Philip McDunnough. Estimating an interaction parameter of an infinite particle system. *Annals of the Institute of Statistical Mathematics*, 31(1):435–443, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480300>.

**Pillai:1979:DCR**

- [1054] K. C. S. Pillai and Yu-Sheng Hsu. The distribution of the characteristic roots of  $S_1 S_2^{-1}$  under violations in the complex case and power comparisons of four tests. *Annals of the Institute of Statistical Mathematics*, 31(1):445–463, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480301>.

**Davis:1979:IPT**

- [1055] A. W. Davis. Invariant polynomials with two matrix arguments extending the zonal polynomials: Applications to multivariate distribution theory. *Annals of the Institute of Statistical Mathematics*, 31(1):465–485, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480302>.

**McDunnough:1979:SSS**

- [1056] Philip McDunnough and David B. Wolfson. On some sampling schemes for estimating the parameters of a continuous time series. *Annals of the Institute of Statistical Mathematics*, 31(1):487–497, ??? 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480303>.

**Rao:1979:EBM**

- [1057] B. L. S. Prakasa Rao. The equivalence between (modified) Bayes estimator and maximum likelihood estimator for Markov processes. *Annals of the Institute of Statistical Mathematics*, 31(1):499–513, ??? 1979. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480304>.

**Srivastava:1979:CAM**

- [1058] M. S. Srivastava. Correction to “Asymptotically most powerful rank tests for regression parameters in MANOVA”. *Annals of the Institute of Statistical Mathematics*, 31(1):515–516, 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02480305>. See [700].

**Anonymous:1979:HC**

- [1059] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 31(1):??, 1979. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Shimizu:1980:FEE**

- [1060] Ryoichi Shimizu. Functional equation with an error term and the stability of some characterizations of the exponential distribution. *Annals of the Institute of Statistical Mathematics*, 32(1):1–16, 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480306>.

**Brandhofe:1980:FET**

- [1061] Thomas Brandhofe and Laurie Davies. On a functional equation in the theory of linear statistics. *Annals of the Institute of Statistical Mathematics*, 32(1):17–23, 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480307>.

[//link.springer.com/article/10.1007/BF02480307](http://link.springer.com/article/10.1007/BF02480307).

**Sibuya:1980:MDD**

- [1062] Masaaki Sibuya. Multivariate digamma distribution. *Annals of the Institute of Statistical Mathematics*, 32(1):25–36, 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480308>.

**Jensen:1980:BJD**

- [1063] D. R. Jensen. Bounds on the joint distribution of  $T_0^2$  statistics. *Annals of the Institute of Statistical Mathematics*, 32(1):37–42, 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480309>.

**Mudholkar:1980:TSM**

- [1064] Govind S. Mudholkar and Perla Subbaiah. Testing significance of a mean vector — a possible alternative to Hotelling’s  $T^2$ . *Annals of the Institute of Statistical Mathematics*, 32(1):43–52, 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480310>.

**Suzuki:1980:SGO**

- [1065] Giitiro Suzuki. On a stochastic game with one-chance recovery. *Annals of the Institute of Statistical Mathematics*, 32(1):53–64, 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480311>.



Walter:1980:CSD

- [1066] Gilbert G. Walter. A class of spectral density estimators. *Annals of the Institute of Statistical Mathematics*, 32(1):65–80, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480312>.

Yajima:1980:PIM

- [1067] Yoshihiro Yajima. On prediction of integrated moving average processes. *Annals of the Institute of Statistical Mathematics*, 32(1):81–94, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480313>.

Wright:1980:NCS

- [1068] A. L. Wright. Nonexistence of complete sufficient statistics for stationary  $k$ -state Markov chains,  $k \geq 3$ . *Annals of the Institute of Statistical Mathematics*, 32(1):95–97, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480314>.

Duthie:1980:SHA

- [1069] Audrey I. Duthie. The split hypercubic association scheme. *Annals of the Institute of Statistical Mathematics*, 32(1):99–106, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480315>.

Kageyama:1980:CCB

- [1070] Sanpei Kageyama. Characterization of certain balanced  $n$ -ary block designs. *Annals of the Institute of Statistical Mathematics*, 32(1):107–110, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480316>.

Srivenkataramana:1980:ARM

- [1071] T. Srivenkataramana and D. S. Tracy. An alternative to ratio method in sample surveys. *Annals of the Institute of Statistical Mathematics*, 32(1):111–120, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480317>.

Drossos:1980:NMD

- [1072] Constantine A. Drossos and Andreas N. Philippou. A note on minimum distance estimates. *Annals of the Institute of Statistical Mathematics*, 32(1):121–123, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480318>.

Otake:1980:CTR

- [1073] Masanori Otake. Comparison of time risks based on a multinomial logistic response model in longitudinal studies. *Annals of the Institute of Statistical Mathematics*, 32(1):125–142, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480319>.



**Suzuki:1980:FMF**

- [1074] Giitiro Suzuki. Further modified forms of binomial and Poisson distributions. *Annals of the Institute of Statistical Mathematics*, 32(1):143–159, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480320>.

**George:1980:GLD**

- [1075] E. Olusegun George and M. O. Ojo. On a generalization of the logistic distribution. *Annals of the Institute of Statistical Mathematics*, 32(1):161–169, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480321>.

**Akaike:1980:IPD**

- [1076] Hirotugu Akaike. Ignorance prior distribution of a hyperparameter and Stein's estimator. *Annals of the Institute of Statistical Mathematics*, 32(1):171–178, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480322>.

**Rehder:1980:WPB**

- [1077] Wulf Rehder. When is the pseudo-best estimator blue? *Annals of the Institute of Statistical Mathematics*, 32(1):179–185, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480323>.

**Cheng:1980:UCC**

- [1078] K. F. Cheng and R. L. Taylor. On the uniform complete convergence of estimates for multivariate density functions and regression curves. *Annals of the Institute of Statistical Mathematics*, 32(1):187–199, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480324>.

**Nagao:1980:SPE**

- [1079] Hisao Nagao and Michio Takada. On sequential point estimation of the mean of a normal distribution. *Annals of the Institute of Statistical Mathematics*, 32(1):201–210, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480325>.

**Ahmad:1980:CST**

- [1080] Ibrahim A. Ahmad and Pi-Erh Lin. On the Chernoff–Savage theorem for dependent sequences. *Annals of the Institute of Statistical Mathematics*, 32(1):211–222, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480326>.

**Ahmad:1980:NEA**

- [1081] Ibrahim A. Ahmad. Nonparametric estimation of an affinity measure between two absolutely continuous distributions with hypotheses testing applications. *Annals of the Institute of Statistical Mathematics*, 32(1):223–240, ??? 1980. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480327>.

**Ahmad:1980:NEM**

- [1082] Ibrahim A. Ahmad. Nonparametric estimation of Matusita's measure of affinity between absolutely continuous distributions. *Annals of the Institute of Statistical Mathematics*, 32(1):241–245, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480328>.

**Khan:1980:DDF**

- [1083] A. H. Khan and Mohd Yaqub. Distribution of a distance function. *Annals of the Institute of Statistical Mathematics*, 32(1):247–253, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480329>.

**Kageyama:1980:RCB**

- [1084] Sanpei Kageyama. Robustness of connected balanced block designs. *Annals of the Institute of Statistical Mathematics*, 32(1):255–261, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480330>.

**Kageyama:1980:CEV**

- [1085] Sanpei Kageyama and Takumi Tsuji. Characterization of equireplicated variance-balanced block designs. *Annals of the Institute of Statistical Mathematics*, 32(1):263–273, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02480331>.

**Chang:1980:DOC**

- [1086] Der-Shin Chang and Yuang-Chin Chiang. Designs of  $\varphi$ -optimal control for second-order processes. *Annals of the Institute of Statistical Mathematics*, 32(1):275–281, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480332>.

**Tweedie:1980:PCM**

- [1087] R. L. Tweedie. Perturbations of countable Markov chains and processes. *Annals of the Institute of Statistical Mathematics*, 32(1):283–290, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480333>.

**Yamazoe:1980:DRP**

- [1088] Shiro Yamazoe, Kazuo Fukutomi, and Takemi Yanagimoto. Dose-response problems in drug-induced diseases after consecutive intake of long duration. *Annals of the Institute of Statistical Mathematics*, 32(1):291–301, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480334>.

**Wakimoto:1980:SCM**

- [1089] Kazumasa Wakimoto. Sun chart method for looking multivariate data. *Annals of the Institute of Statistical Mathematics*, 32(1):303–310, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02480335>.

**Akaike:1980:UPL**

- [1090] Hirotugu Akaike. On the use of the predictive likelihood of a Gaussian model. *Annals of the Institute of Statistical Mathematics*, 32(1):311–324, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480336>.

**Yanagimoto:1980:CTD**

- [1091] Takemi Yanagimoto and Masaaki Sibuya. Comparison of tails of distributions in models for estimating safe doses. *Annals of the Institute of Statistical Mathematics*, 32(1):325–340, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480337>.

**Ghorai:1980:ANQ**

- [1092] Jugal Ghorai. Asymptotic normality of a quadratic measure of orthogonal series type density estimate. *Annals of the Institute of Statistical Mathematics*, 32(1):341–350, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480338>.

**Hall:1980:EDP**

- [1093] Peter Hall. Estimating a density on the positive half line by the method of orthogonal series. *Annals of the Institute of Statistical Mathematics*, 32(1):351–362, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480339>.

<http://link.springer.com/article/10.1007/BF02480339>.

**Ahsanullah:1980:LPR**

- [1094] M. Ahsanullah. Linear prediction of record values for the two parameter exponential distribution. *Annals of the Institute of Statistical Mathematics*, 32(1):363–368, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480340>.

**Nagao:1980:STS**

- [1095] Hisao Nagao. On stopping times of sequential estimations of the mean of a log-normal distribution. *Annals of the Institute of Statistical Mathematics*, 32(1):369–375, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480341>.

**Skibinsky:1980:MPI**

- [1096] Morris Skibinsky. The minimum probability on an interval when the mean and variance are known. *Annals of the Institute of Statistical Mathematics*, 32(1):377–385, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480342>.

**Srivastava:1980:DDC**

- [1097] V. K. Srivastava, B. S. Agnihotri, and T. D. Dwivedi. Dominance of double  $k$ -class estimators in simultaneous equations. *Annals of the Institute of Statistical Mathematics*, 32(1):387–392, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480343>.



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480343>.

**Sakai:1980:FAR**

- [1098] Hideaki Sakai. Fitting autoregression with regularly missed observations. *Annals of the Institute of Statistical Mathematics*, 32(1):393–400, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480344>.

**Taniguchi:1980:SOS**

- [1099] Masanobu Taniguchi. On selection of the order of the spectral density model for a stationary process. *Annals of the Institute of Statistical Mathematics*, 32(1):401–419, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480345>.

**Gulati:1980:SCD**

- [1100] Chandra M. Gulati. Selection of certain dichotomous experiments. *Annals of the Institute of Statistical Mathematics*, 32(1):421–431, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480346>.

**Dayal:1980:ASU**

- [1101] Shambhu Dayal. On allocation of sample using estimates of both proportions of stratum sizes and standard deviations. *Annals of the Institute of Statistical Mathematics*, 32(1):433–444, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02480347>.

**Pandian:1980:CPB**

- [1102] V. S. Soundara Pandian. Construction of partially balanced  $n$ -ary designs using difference sets. *Annals of the Institute of Statistical Mathematics*, 32(1):445–464, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480348>.

**Yanagimoto:1980:CME**

- [1103] Takemi Yanagimoto and David G. Hoel. Comparisons of models for estimation of safe doses using measures of the heaviness of tail of a distribution. *Annals of the Institute of Statistical Mathematics*, 32(1):465–480, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480349>.

**Akaike:1980:TEM**

- [1104] Hirotugu Akaike and Makio Ishiguro. Trend estimation with missing observations. *Annals of the Institute of Statistical Mathematics*, 32(1):481–488, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480350>.

**Anonymous:1980:HC**

- [1105] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 32(1):??, ??? 1980. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).



Aki:1981:ADC

- [1106] Sigeo Aki. Asymptotic distribution of a Cramér–von Mises type statistic for testing symmetry when the center is estimated. *Annals of the Institute of Statistical Mathematics*, 33(1):1–14, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480914>.

Hayakawa:1981:ADG

- [1107] Takesi Hayakawa. Asymptotic distribution of a generalized Hotelling's  $T_0^2$  in the doubly noncentral case. *Annals of the Institute of Statistical Mathematics*, 33(1):15–25, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480915>.

Konishi:1981:IAD

- [1108] Sadanori Konishi and Takakazu Sugiyama. Improved approximations to distributions of the largest and the smallest latent roots of a Wishart matrix. *Annals of the Institute of Statistical Mathematics*, 33(1):27–33, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480916>.

Mathai:1981:DCC

- [1109] A. M. Mathai. Distribution of the canonical correlation matrix. *Annals of the Institute of Statistical Mathematics*, 33(1):35–43, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480917>.

Pillai:1981:ENN

- [1110] K. C. S. Pillai and Antia Singh. On the exact non-null distribution of Wilks'  $L_{VC}$  criterion and power studies. *Annals of the Institute of Statistical Mathematics*, 33(1):45–55, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480918>.

Al-Hussaini:1981:BIG

- [1111] Essam K. Al-Hussaini and Nagi S. Abd-El-Hakim. Bivariate inverse Gaussian distribution. *Annals of the Institute of Statistical Mathematics*, 33(1):57–66, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480919>.

Nogami:1981:SCO

- [1112] Yoshiko Nogami. The set-compound one-stage estimation in the nonregular family of distributions over the interval  $[\theta, \theta + 1)$ . *Annals of the Institute of Statistical Mathematics*, 33(1):67–80, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480920>.

Umbach:1981:BES

- [1113] Dale Umbach. Bayes estimation with spherically symmetric, convex loss. *Annals of the Institute of Statistical Mathematics*, 33(1):81–90, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480921>.



**Takada:1981:IPR**

- [1114] Yoshikazu Takada. Invariant prediction rules and an adequate statistic. *Annals of the Institute of Statistical Mathematics*, 33(1):91–100, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480922>.

**Arimoto:1981:ABD**

- [1115] Akio Arimoto. Asymptotic behavior of difference between a finite predictor and an infinite predictor for a weakly stationary stochastic process. *Annals of the Institute of Statistical Mathematics*, 33(1):101–113, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480923>.

**Yamazaki:1981:ORB**

- [1116] Genji Yamazaki. An ordering relation of the blocking two-stage tandem queueing system to the reduced single server queueing system. *Annals of the Institute of Statistical Mathematics*, 33(1):115–123, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480924>.

**George:1981:CLD**

- [1117] E. Olusegun George and Govind S. Mudholkar. A characterization of the logistic distribution by a sample median. *Annals of the Institute of Statistical Mathematics*, 33(1):125–129, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02480925>.

**Huang:1981:LMP**

- [1118] J. S. Huang. On a “lack of memory” property. *Annals of the Institute of Statistical Mathematics*, 33(1):131–134, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480926>.

**Umbach:1981:NMD**

- [1119] Dale Umbach. A note on the median of a distribution. *Annals of the Institute of Statistical Mathematics*, 33(1):135–140, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480927>.

**Kageyama:1981:SBP**

- [1120] Sanpei Kageyama. Some bounds for partially balanced block designs. *Annals of the Institute of Statistical Mathematics*, 33(1):141–153, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480928>.

**Cheng:1981:CPD**

- [1121] Ching-Shui Cheng. On the comparison of PBIB designs with two associate classes. *Annals of the Institute of Statistical Mathematics*, 33(1):155–164, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480929>.



Dayal:1981:SEW

- [1122] Shambhu Dayal. Sampling for estimating weighted totals and averages. *Annals of the Institute of Statistical Mathematics*, 33(1):165–176, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480930>.

Sibuya:1981:GHF

- [1123] Masaaki Sibuya and Ryoichi Shimizu. The generalized hypergeometric family of distributions. *Annals of the Institute of Statistical Mathematics*, 33(1):177–190, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480931>.

Panaretos:1981:JDT

- [1124] John Panaretos. On the joint distribution of two discrete random variables. *Annals of the Institute of Statistical Mathematics*, 33(1):191–198, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480932>.

Richards:1981:STS

- [1125] Donald St. P. Richards. Stability theorems for some characterizations of the exponential distribution. *Annals of the Institute of Statistical Mathematics*, 33(1):199–204, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480933>.

Grosswald:1981:ILM

- [1126] E. Grosswald and Samuel Kotz. An integrated lack of memory characterization of the exponential distribution. *Annals of the Institute of Statistical Mathematics*, 33(1):205–214, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480934>.

Tsui:1981:SES

- [1127] Kam-Wah Tsui. Simultaneous estimation of several Poisson parameters under squared error loss. *Annals of the Institute of Statistical Mathematics*, 33(1):215–223, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480935>.

Rao:1981:CAU

- [1128] T. J. Rao. On a class of almost unbiased ratio estimators. *Annals of the Institute of Statistical Mathematics*, 33(1):225–231, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480936>.

Rust:1981:CKE

- [1129] Albert E. Rust and Chris P. Tsokos. On the convergence of kernel estimators of probability density functions. *Annals of the Institute of Statistical Mathematics*, 33(1):233–246, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480937>.



Ahmad:1981:NND

- [1130] Ibrahim A. Ahmad. A note on non-parametric density estimation for dependent variables using a delta sequence. *Annals of the Institute of Statistical Mathematics*, 33(1):247–254, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480938>.

Aiyar:1981:AER

- [1131] R. J. Aiyar. Asymptotic efficiency of rank tests of randomness against autocorrelation. *Annals of the Institute of Statistical Mathematics*, 33(1):255–262, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480939>.

Venkataraman:1981:SLT

- [1132] K. N. Venkataraman. Some limit theorems on an explosive model for time series, and their statistical applications. *Annals of the Institute of Statistical Mathematics*, 33(1):263–278, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480940>.

Fujikoshi:1981:PLR

- [1133] Yasunori Fujikoshi. The power of the likelihood ratio test for additional information in a multivariate linear model. *Annals of the Institute of Statistical Mathematics*, 33(1):279–285, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480941>.

Bhargava:1981:DPI

- [1134] R. P. Bhargava and C. G. Khatri. The distribution of product of independent beta random variables with application to multivariate analysis. *Annals of the Institute of Statistical Mathematics*, 33(1):287–296, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480942>.

Davis:1981:CCI

- [1135] A. W. Davis. On the construction of a class of invariant polynomials in several matrices, extending the zonal polynomials. *Annals of the Institute of Statistical Mathematics*, 33(1):297–313, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480943>.

Ogata:1981:EIP

- [1136] Yoshihiko Ogata and Masaharu Tanemura. Estimation of interaction potentials of spatial point patterns through the maximum likelihood procedure. *Annals of the Institute of Statistical Mathematics*, 33(1):315–338, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480944>.

Shimizu:1981:SCE

- [1137] Ryoichi Shimizu. On the stability of characterizations of the exponential distribution. *Annals of the Institute of Statistical Mathematics*, 33(1):339–346, ??? 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02480945>.

**Ruschendorf:1981:CDC**

- [1138] Ludger Rüschendorf. Characterization of dependence concepts in normal distributions. *Annals of the Institute of Statistical Mathematics*, 33(1):347–359, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480946>.

**Lwin:1981:MPS**

- [1139] T. Lwin. A modified power series distribution. *Annals of the Institute of Statistical Mathematics*, 33(1):361–374, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480947>.

**Ahmad:1981:MNA**

- [1140] Ibrahim A. Ahmad. Mixing normal approximations of vectors of sums and maximum sums. *Annals of the Institute of Statistical Mathematics*, 33(1):375–383, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480948>.

**Menzefricke:1981:PDQ**

- [1141] Ulrich Menzefricke. On positive definite quadratic forms in correlated  $t$  variables. *Annals of the Institute of Statistical Mathematics*, 33(1):385–390, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480949>.

**Aki:1981:ABF**

- [1142] Sigeo Aki. Asymptotic behavior of functionals of empirical distribution functions for the two-sample problem. *Annals of the Institute of Statistical Mathematics*, 33(1):391–403, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480950>.

**Chen:1981:SLL**

- [1143] Wen Chen Chen. Some local limit theorems in the symmetric Dirichlet–multinomial urn models. *Annals of the Institute of Statistical Mathematics*, 33(1):405–415, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480951>.

**Csorgo:1981:SAE**

- [1144] Sándor Csörgő. Strong approximation of empirical Kac processes. *Annals of the Institute of Statistical Mathematics*, 33(1):417–423, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480952>.

**Blum:1981:MDT**

- [1145] J. Blum and V. Susarla. Maximal deviation theory of some estimators of prior distribution functions. *Annals of the Institute of Statistical Mathematics*, 33(1):425–436, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480953>.



Nagaraja:1981:SFS

- [1146] H. N. Nagaraja. Some finite sample results for the selection differential. *Annals of the Institute of Statistical Mathematics*, 33(1):437–448, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480954>.

Hall:1981:LSP

- [1147] Peter Hall. Large sample properties of Jaeckel's adaptive trimmed mean. *Annals of the Institute of Statistical Mathematics*, 33(1):449–462, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480955>.

Yang:1981:LCC

- [1148] Shie-Shien Yang. Linear combination of concomitants of order statistics with application to testing and estimation. *Annals of the Institute of Statistical Mathematics*, 33(1):463–470, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480956>.

Feigin:1981:IZA

- [1149] Paul D. Feigin and Ishay Weissman. On the indifference zone approach to selection — a consistency result. *Annals of the Institute of Statistical Mathematics*, 33(1):471–474, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480957>.

Otake:1981:CRR

- [1150] Masanori Otake. Comparison of relative risk, attributable risk and logistic response procedures for  $2 \times 2 \times 2$  and  $c \times 2 \times 2$  contingency tables. *Annals of the Institute of Statistical Mathematics*, 33(1):475–486, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480958>.

Anonymous:1981:HC

- [1151] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 33(1):??, 1981. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

Matsunawa:1982:UEP

- [1152] T. Matsunawa. Uniform  $\theta$ -equivalence of probability distributions based on information and related measures of discrepancy. *Annals of the Institute of Statistical Mathematics*, 34(1):1–17, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481004>.

Kuboki:1982:UESa

- [1153] Hisataka Kuboki. Unbiased estimators in the sense of Lehmann and their discrimination rates. *Annals of the Institute of Statistical Mathematics*, 34(1):19–37, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481005>.



**Ahmad:1982:NEL**

- [1154] Ibrahim A. Ahmad. Nonparametric estimation of the location and scale parameters based on density estimation. *Annals of the Institute of Statistical Mathematics*, 34(1):39–53, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481006>.

**Withers:1982:DQF**

- [1155] C. S. Withers. The distribution and quantiles of a function of parameter estimates. *Annals of the Institute of Statistical Mathematics*, 34(1):55–68, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481007>.

**Akahira:1982:AOE**

- [1156] Masafumi Akahira. Asymptotic optimality of estimators in non-regular cases. *Annals of the Institute of Statistical Mathematics*, 34(1):69–82, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481008>.

**Nakano:1982:PEA**

- [1157] Junji Nakano. Parameter estimation of an autoregressive moving average model. *Annals of the Institute of Statistical Mathematics*, 34(1):83–90, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481009>.

**Jain:1982:ESR**

- [1158] Aridaman K. Jain. Estimation in stratified random sampling: Adjustment for changes in strata composition. *Annals of the Institute of Statistical Mathematics*, 34(1):91–103, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481010>.

**Hudlet:1982:ESO**

- [1159] Raul Hudlet and Richard A. Johnson. An extension of some optimal properties of principal components. *Annals of the Institute of Statistical Mathematics*, 34(1):105–110, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481011>.

**Richards:1982:DOAa**

- [1160] Donald St. P. Richards. Differential operators associated with zonal polynomials. I. *Annals of the Institute of Statistical Mathematics*, 34(1):111–117, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481012>.

**Richards:1982:DOAb**

- [1161] Donald St. P. Richards. Differential operators associated with zonal polynomials. II. *Annals of the Institute of Statistical Mathematics*, 34(1):119–121, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481013>.



**Stone:1982:LAA**

- [1162] Charles J. Stone. Local asymptotic admissibility of a generalization of Akaike's model selection rule. *Annals of the Institute of Statistical Mathematics*, 34(1):123–133, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481014>.

**Cooke:1982:SPC**

- [1163] P. J. Cooke and M. K. Vagholkar. Sequential procedures for a class of distributions related to the uniform. *Annals of the Institute of Statistical Mathematics*, 34(1):135–142, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481015>.

**Bansal:1982:SBD**

- [1164] Ashok K. Bansal. Sensitivity of Bayes decisions for the success probability for samples from a nonbinomial population. *Annals of the Institute of Statistical Mathematics*, 34(1):143–149, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481016>.

**Trenkler:1982:PSU**

- [1165] G. Trenkler. Partitions, sufficiency and undominated families of probability measures. *Annals of the Institute of Statistical Mathematics*, 34(1):151–160, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481017>.

**Bhattacharya:1982:UBP**

- [1166] Binay K. Bhattacharya and Godfried T. Toussaint. An upper bound on the probability of misclassification in terms of Matusita's measure of affinity. *Annals of the Institute of Statistical Mathematics*, 34(1):161–165, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481018>.

**Ruben:1982:EDK**

- [1167] Harold Ruben and Jack Gambino. The exact distribution of Kolmogorov's statistic  $D_n$  for  $n \leq 10$ . *Annals of the Institute of Statistical Mathematics*, 34(1):167–173, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481019>.

**Stepniak:1982:OAO**

- [1168] C. Stepniak. Optimal allocation of observations in one-way random normal model. *Annals of the Institute of Statistical Mathematics*, 34(1):175–179, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481020>.

**Roy:1982:AFB**

- [1169] F. Roy and Gurajada S. Murty. Application of FPE based AR model for signal detection and digital data compression. *Annals of the Institute of Statistical Mathematics*, 34(1):181–188, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481021>.



**Vere-Jones:1982:SES**

- [1170] D. Vere-Jones and T. Ozaki. Some examples of statistical estimation applied to earthquake data. *Annals of the Institute of Statistical Mathematics*, 34(1):189–207, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481022>. See corrections [1419].

**Matsunawa:1982:SSE**

- [1171] T. Matsunawa. Some strong  $\epsilon$ -equivalence of random variables. *Annals of the Institute of Statistical Mathematics*, 34(1):209–224, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481023>.

**Rivest:1982:SAD**

- [1172] Louis-Paul Rivest. Some asymptotic distributions in the location-scale model. *Annals of the Institute of Statistical Mathematics*, 34(1):225–239, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481024>.

**Nogami:1982:RCS**

- [1173] Yoshiko Nogami. A rate of convergence for the set compound estimation in a family of certain retracted distributions. *Annals of the Institute of Statistical Mathematics*, 34(1):241–257, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481025>.

**Akritas:1982:ATE**

- [1174] Michael G. Akritas. Asymptotic theory for estimating the parameters of a Lévy process. *Annals of the Institute of Statistical Mathematics*, 34(1):259–280, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481026>.

**Kariya:1982:MAP**

- [1175] Takeaki Kariya and Koichi Maekawa. A method for approximations to the pdf's and cdf's of GLSE's and its application to the seemingly unrelated regression model. *Annals of the Institute of Statistical Mathematics*, 34(1):281–297, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481027>.

**Szatrowski:1982:REE**

- [1176] Ted H. Szatrowski. Relative efficiencies of estimates using patterned covariances or correlations in the multivariate normal estimation problem. *Annals of the Institute of Statistical Mathematics*, 34(1):299–307, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481028>.

**Esimal:1982:MAR**

- [1177] Grace Esimal and Chien-Pai Han. Multi-auxiliary regression estimation based on conditional specification. *Annals of the Institute of Statistical Mathematics*, 34(1):309–317, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02481029>.

**Guttman:1982:ULF**

- [1178] Irwin Guttman and Ulrich Menzefricke. On the use of loss functions in the changepoint problem. *Annals of the Institute of Statistical Mathematics*, 34(1):319–326, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481030>.

**Rao:1982:NTH**

- [1179] K. S. Madhava Rao. Nonparametric tests for homogeneity of scale against ordered alternatives. *Annals of the Institute of Statistical Mathematics*, 34(1):327–334, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481031>.

**Preda:1982:SDP**

- [1180] Vasile C. Preda. The Student distribution and the principle of maximum entropy. *Annals of the Institute of Statistical Mathematics*, 34(1):335–338, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481032>.

**Ahmad:1982:IMS**

- [1181] Ibrahim A. Ahmad. Integrated mean square properties of density estimation by orthogonal series methods for dependent variables. *Annals of the Institute of Statistical Mathematics*, 34(1):339–350, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481033>.

**Ahmad:1982:DBD**

- [1182] Ibrahim A. Ahmad. On the deviation between the distributions of sums and maximum sums of IID random vectors. *Annals of the Institute of Statistical Mathematics*, 34(1):351–358, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481034>.

**Lai:1982:CGM**

- [1183] C. D. Lai. A characterization of gamma, Meixner hypergeometric and negative binomial distributions based on canonical measures. *Annals of the Institute of Statistical Mathematics*, 34(1):359–363, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481035>.

**Huda:1982:STO**

- [1184] S. Huda. Some third-order rotatable designs in three dimensions. *Annals of the Institute of Statistical Mathematics*, 34(1):365–371, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481036>.

**Ogata:1982:ALI**

- [1185] Y. Ogata, H. Akaike, and K. Katsura. The application of linear intensity models to the investigation of causal relations between a point process and another stochastic process.



*Annals of the Institute of Statistical Mathematics*, 34(1):373–387, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481037>.

**Kitagawa:1982:QBA**

- [1186] Genshiro Kitagawa and Hirotugu Akaike. A quasi Bayesian approach to outlier detection. *Annals of the Institute of Statistical Mathematics*, 34(1):389–398, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481038>.

**Kuboki:1982:UESb**

- [1187] Hisataka Kuboki. Unbiased estimators in the sense of Lehmann and their discrimination rates (II): Multi-parameter cases. *Annals of the Institute of Statistical Mathematics*, 34(1):399–409, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481039>.

**deOliveira:1982:DEE**

- [1188] J. Tiago de Oliveira. A definition of estimator efficiency in  $k$ -parameter case. *Annals of the Institute of Statistical Mathematics*, 34(1):411–421, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481040>.

**Ferreira:1982:MEE**

- [1189] Pedro E. Ferreira. Multiparametric estimating equations. *Annals of the Institute of Statistical Mathematics*, 34

(1):423–431, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481041>.

**Hwang:1982:EEP**

- [1190] Jiunn Tzon Hwang. Examples of estimation problems. *Annals of the Institute of Statistical Mathematics*, 34(1):433–439, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481042>.

**Lin:1982:PBM**

- [1191] Pi-Erh Lin and Amany Mousa. Proper Bayes minimax estimators for a multivariate normal mean with unknown common variance under a convex loss function. *Annals of the Institute of Statistical Mathematics*, 34(1):441–456, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481043>.

**Ahmad:1982:CMD**

- [1192] Ibrahim A. Ahmad.  $L_p$ -consistency of multivariate density estimates. *Annals of the Institute of Statistical Mathematics*, 34(1):457–466, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481044>.

**Ghorai:1982:NQM**

- [1193] J. K. Ghorai. A note on a quadratic measure of deviation of density estimates. *Annals of the Institute of Statistical Mathematics*, 34(1):467–477,



???? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481045>.

**Cheng:1982:EDD**

- [1194] K. F. Cheng. On estimation of a density and its derivatives. *Annals of the Institute of Statistical Mathematics*, 34(1):479–489, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481046>.

**Takada:1982:AAS**

- [1195] Yoshikazu Takada. Application of an adequate statistic to the invariant prediction region. *Annals of the Institute of Statistical Mathematics*, 34(1):491–503, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481047>.

**Konishi:1982:APE**

- [1196] Sadanori Konishi. Asymptotic properties of estimators of interclass correlation from familial data. *Annals of the Institute of Statistical Mathematics*, 34(1):505–515, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481048>.

**Davis:1982:RRG**

- [1197] A. W. Davis. On a result of Roy and Gnanadesikan concerning multivariate variance components. *Annals of the Institute of Statistical Mathematics*, 34(1):517–521, ??? 1982. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481049>.

**Fujikoshi:1982:TAI**

- [1198] Yasunori Fujikoshi. A test for additional information in canonical correlation analysis. *Annals of the Institute of Statistical Mathematics*, 34(1):523–530, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481050>.

**Isogai:1982:MMS**

- [1199] Takafumi Isogai. On a measure of multivariate skewness and a test for multivariate normality. *Annals of the Institute of Statistical Mathematics*, 34(1):531–541, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481051>.

**Ahmad:1982:RNI**

- [1200] Khalaf E. Ahmad and Essam K. Al-Hussaini. Remarks on the non-identifiability of mixtures of distributions. *Annals of the Institute of Statistical Mathematics*, 34(1):543–544, ??? 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02481052>.

**Obremski:1982:LMF**

- [1201] Thomas E. Obremski. Locating the minimum of a function when the errors of observation have unknown density. *Annals of the Institute of Statistical Mathematics*, 34(1):545–558, ???



1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481053>.

**Klein:1982:HTC**

- [1202] Steven W. Klein. Hypothesis testing for the common mean of two normal distributions in the presence of an indifference zone. *Annals of the Institute of Statistical Mathematics*, 34(1):559–577, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481054>.

**Akritas:1982:ETE**

- [1203] Michael G. Akritas and Richard A. Johnson. Efficiencies of tests and estimators for  $p$ -order autoregressive processes when the error distribution is nonnormal. *Annals of the Institute of Statistical Mathematics*, 34(1):579–589, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481055>.

**Mathai:1982:SCD**

- [1204] A. M. Mathai. Storage capacity of a dam with gamma type inputs. *Annals of the Institute of Statistical Mathematics*, 34(1):591–597, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481056>.

**Yamazaki:1982:GGQ**

- [1205] Genji Yamazaki. The GI/G/1 queue with last-come-first-served. *Annals of the Institute of Statistical Mathematics*, 34(1):599–604, 1982. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481057>.

**Sekkappan:1982:BSR**

- [1206] R. M. Sekkappan. Bayesian stratified random sampling using auxiliary information. *Annals of the Institute of Statistical Mathematics*, 34(1):605–609, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481058>.

**Anonymous:1982:HC**

- [1207] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 34(1):??, 1982. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Amari:1983:DGE**

- [1208] Shun ichi Amari and Masayuki Kusunoki. Differential geometry of Edgeworth expansions in curved exponential family. *Annals of the Institute of Statistical Mathematics*, 35(1):1–24, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480959>.

**Tsui:1983:CAE**

- [1209] K. W. Tsui. A class of admissible estimators of a finite population total. *Annals of the Institute of Statistical Mathematics*, 35(1):25–30, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480960>.



vanderMerwe:1983:AEW

- [1210] A. J. van der Merwe. The asymptotic expansion as well as the exact moments of the Stein estimator when the population means are nearly equal. *Annals of the Institute of Statistical Mathematics*, 35(1):31–39, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480961>.

Ogawa:1983:CBR

- [1211] Junjiro Ogawa. On the ‘confidence bounds’ of the ratio of the means of a bivariate normal distribution. *Annals of the Institute of Statistical Mathematics*, 35(1):41–48, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480962>.

Withers:1983:ACI

- [1212] C. S. Withers. Accurate confidence intervals for distributions with one parameter. *Annals of the Institute of Statistical Mathematics*, 35(1):49–61, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480963>.

Sarkar:1983:STU

- [1213] S. K. Sarkar, B. K. Sinha, and P. R. Krishnaiah. Some tests with unbalanced data from a bivariate normal population. *Annals of the Institute of Statistical Mathematics*, 35(1):63–75, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480964>.

Hirotzu:1983:ADP

- [1214] C. Hirotzu. An approach to defining the pattern of interaction effects in a two-way layout. *Annals of the Institute of Statistical Mathematics*, 35(1):77–90, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480965>.

Shimizu:1983:CPU

- [1215] R. Shimizu and J. S. Huang. On a characteristic property of the uniform distribution. *Annals of the Institute of Statistical Mathematics*, 35(1):91–94, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480966>.

Cacoullos:1983:CDD

- [1216] T. Cacoullos and H. Papageorgiou. Characterizations of discrete distributions by a conditional distribution and a regression function. *Annals of the Institute of Statistical Mathematics*, 35(1):95–103, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480967>.

Klebanov:1983:MAC

- [1217] L. B. Klebanov and J. A. Melamed. A method associated with characterizations of the exponential distribution. *Annals of the Institute of Statistical Mathematics*, 35(1):105–114, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480968>.



Ishiguro:1983:BAB

- [1218] Makio Ishiguro and Yosiyuki Sakamoto. A Bayesian approach to binary response curve estimation. *Annals of the Institute of Statistical Mathematics*, 35(1):115–137, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480969>.

Akaike:1983:MIP

- [1219] Hirotugu Akaike. On minimum information prior distributions. *Annals of the Institute of Statistical Mathematics*, 35(1):139–149, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480970>.

Inagaki:1983:DFI

- [1220] Nobuo Inagaki. The decomposition of the Fisher information. *Annals of the Institute of Statistical Mathematics*, 35(1):151–165, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480971>.

Sono:1983:NPD

- [1221] Shintaro Sono. On a noninformative prior distribution for Bayesian inference of multinomial distribution's parameters. *Annals of the Institute of Statistical Mathematics*, 35(1):167–174, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480972>.

Murakami:1983:SPR

- [1222] Masakatsu Murakami. Some properties of the risk set in multiple decision problems. *Annals of the Institute of Statistical Mathematics*, 35(1):175–183, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480973>.

Sono:1983:AMS

- [1223] Shintaro Sono. On an approximation for a multi-stage decision problem. *Annals of the Institute of Statistical Mathematics*, 35(1):185–191, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480974>.

Nagata:1983:AEO

- [1224] Yasushi Nagata. An admissible estimator in the one-parameter exponential family with ambiguous information. *Annals of the Institute of Statistical Mathematics*, 35(1):193–199, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480975>.

Isokawa:1983:EFR

- [1225] Y. Isokawa. Estimation of frequency by random sampling. *Annals of the Institute of Statistical Mathematics*, 35(1):201–213, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480976>.



Greblicki:1983:OSE

Smith:1983:IFO

- [1226] Włodzimierz Greblicki, Danuta Rutkowska, and Leszek Rutkowski. An orthogonal series estimate of time-varying regression. *Annals of the Institute of Statistical Mathematics*, 35(1):215–228, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480977>.
- [1227] Jogi Henna. A note on a consistent estimator of a mixing distribution function. *Annals of the Institute of Statistical Mathematics*, 35(1):229–233, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480978>.
- [1228] Sam Gutmann. A minimax result related to Stein's effect. *Annals of the Institute of Statistical Mathematics*, 35(1):235–241, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480979>.
- [1229] Julian Keilson and Ushio Sumita. A decomposition of the beta distribution, related order and asymptotic behavior. *Annals of the Institute of Statistical Mathematics*, 35(1):243–253, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480980>.
- [1230] Norman L. Smith and Y. L. Tong. Inequalities for functions of order statistics under an additive model. *Annals of the Institute of Statistical Mathematics*, 35(1):255–265, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480981>.
- [1231] Ian R. Dunsmore. The future occurrence of records. *Annals of the Institute of Statistical Mathematics*, 35(1):267–277, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480982>.
- [1232] Evdokia Xekalaki. Infinite divisibility, completeness and regression properties of the univariate generalized Waring distribution. *Annals of the Institute of Statistical Mathematics*, 35(1):279–289, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480983>.
- [1233] H. Sakasegawa. Stratified rejection and squeeze method for generating beta random numbers. *Annals of the Institute of Statistical Mathematics*, 35(1):291–302, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480984>.

Henna:1983:NCE

Dunsmore:1983:FOR

Gutmann:1983:MRR

Xekalaki:1983:IDC

Keilson:1983:DBD

Sakasegawa:1983:SRS



**Watson:1983:LST**

- [1234] Geoffrey S. Watson. Large sample theory for distributions on the hypersphere with rotational symmetries. *Annals of the Institute of Statistical Mathematics*, 35(1):303–319, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480985>.

**Yamamoto:1983:JMN**

- [1235] Eiji Yamamoto, Kazumasa Wakimoto, and Seiji Nabeya. Joint moments of the number of + runs and the number of + signs in a random sequence. *Annals of the Institute of Statistical Mathematics*, 35(1):321–328, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480986>.

**Ikeda:1983:UAJ**

- [1236] Sadao Ikeda and Yoshiyuki Nonaka. Uniform asymptotic joint normality of a set of increasing number of sample quantiles. *Annals of the Institute of Statistical Mathematics*, 35(1):329–341, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480987>.

**Kohne:1983:NUA**

- [1237] W. Kohne and R.-D. Reiss. A note on uniform approximation to distributions of extreme order statistics. *Annals of the Institute of Statistical Mathematics*, 35(1):343–345, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02480988>.

**Anonymous:1983:CQF**

- [1238] Anonymous. Corrections to “Quadratic forms of a matrix- $t$  variate”. *Annals of the Institute of Statistical Mathematics*, 35(1):346, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02480989>. See [1239].

**Marx:1983:QFM**

- [1239] D. G. Marx. Quadratic forms of a matrix- $t$  variate. *Annals of the Institute of Statistical Mathematics*, 35(1):347–353, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480990>. See corrections [1238, 1348].

**Alamatsaz:1983:CSD**

- [1240] M. H. Alamatsaz. Completeness and self-decomposability of mixtures. *Annals of the Institute of Statistical Mathematics*, 35(1):355–363, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480991>.

**Nagata:1983:ASP**

- [1241] Yasushi Nagata. Admissibility of some preliminary test estimators for the mean of normal distribution. *Annals of the Institute of Statistical Mathematics*, 35(1):365–373, 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480992>.



//link.springer.com/article/10.1007/BF02480992.

**Steniak:1983:LBR**

- [1242] Czeslaw Steniak. Lower bound of risk in linear unbiased estimation and its application. *Annals of the Institute of Statistical Mathematics*, 35(1):375–378, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480993>.

**Ghosh:1983:SEP**

- [1243] Malay Ghosh and Richard Auer. Simultaneous estimation of parameters in exponential families. *Annals of the Institute of Statistical Mathematics*, 35(1):379–387, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480994>.

**Phadia:1983:NBE**

- [1244] E. G. Phadia and V. Susarla. Nonparametric Bayesian estimation of a survival curve with dependent censoring mechanism. *Annals of the Institute of Statistical Mathematics*, 35(1):389–400, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480995>.

**Ahmad:1983:CRS**

- [1245] Ibrahim A. Ahmad. On  $L_p$ -convergence rates for statistical functions with application to  $L$ -estimates. *Annals of the Institute of Statistical Mathematics*, 35(1):401–406, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480996>.

//link.springer.com/article/10.1007/BF02480996.

**Cheng:1983:MPQ**

- [1246] Smiley W. Cheng. On the most powerful quantile test of the scale parameter. *Annals of the Institute of Statistical Mathematics*, 35(1):407–414, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480997>.

**Shibata:1983:AME**

- [1247] Ritei Shibata. Asymptotic mean efficiency of a selection of regression variables. *Annals of the Institute of Statistical Mathematics*, 35(1):415–423, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480998>.

**Kishino:1983:LSE**

- [1248] Hirohisa Kishino. The least squares estimation of the transition probabilities of binary processes on the basis of sample paths. *Annals of the Institute of Statistical Mathematics*, 35(1):425–438, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02480999>.

**Chanda:1983:DEL**

- [1249] Kamal C. Chanda. Density estimation for linear processes. *Annals of the Institute of Statistical Mathematics*, 35(1):439–446, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481000>.



**Kageyama:1983:NCO**

- [1250] S. Kageyama and G. M. Saha. Note on the construction of optimum chemical balance weighing designs. *Annals of the Institute of Statistical Mathematics*, 35(1):447–452, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481001>.

**OShaughnessy:1983:PAS**

- [1251] C. D. O'Shaughnessy, Abdul Hoque, D. C. Frank, and Hee Tang Ooi. The polytopal association scheme. *Annals of the Institute of Statistical Mathematics*, 35(1):453–459, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481002>.

**Stepniak:1983:OAU**

- [1252] Czeslaw Stepniak. Optimal allocation of units in experimental designs with hierarchical and cross classification. *Annals of the Institute of Statistical Mathematics*, 35(1):461–473, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481003>.

**Anonymous:1983:HC**

- [1253] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 35(1):??, ??? 1983. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hirano:1984:PTP**

- [1254] Katuomi Hirano. A preliminary test procedure for the scale parame-

ter of exponential distribution when the selection parameter is unknown. *Annals of the Institute of Statistical Mathematics*, 36(1):1–9, ??? 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481948>.

**Leonard:1984:SDA**

- [1255] Tom Leonard. Some data-analytic modifications to Bayes–Stein estimation. *Annals of the Institute of Statistical Mathematics*, 36(1):11–21, ??? 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481949>.

**Matsubara:1984:GDE**

- [1256] Nozomu Matsubara. General derivation of exact OC and ASN of SPRT when log of likelihood ratio takes only two integral multiples of a constant. *Annals of the Institute of Statistical Mathematics*, 36(1):23–33, ??? 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481950>.

**Chiang:1984:RPT**

- [1257] Ching-Yuan Chiang and Madan L. Puri. Rank procedures for testing subhypotheses in linear regression. *Annals of the Institute of Statistical Mathematics*, 36(1):35–50, ??? 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481951>.



**Alam:1984:BPS**

- [1258] Khursheed Alam. A Bayes procedure for selecting the population with the largest  $p$ -th quantile. *Annals of the Institute of Statistical Mathematics*, 36(1):51–58, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481952>.

**Read:1984:CAA**

- [1259] Timothy R. C. Read. Closer asymptotic approximations for the distributions of the power divergence goodness-of-fit statistics. *Annals of the Institute of Statistical Mathematics*, 36(1):59–69, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481953>.

**Gomes:1984:PLF**

- [1260] M. Ivette Gomes. Penultimate limiting forms in extreme value theory. *Annals of the Institute of Statistical Mathematics*, 36(1):71–85, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481954>.

**Basu:1984:COH**

- [1261] A. P. Basu and Nader Ebrahimi. Corrections to “On  $K$ -order harmonic new better than used in expectation distributions”. *Annals of the Institute of Statistical Mathematics*, 36(1):86, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02481955>. See [1262].

**Basu:1984:OHN**

- [1262] A. P. Basu and Nader Ebrahimi. On  $k$ -order harmonic new better than used in expectation distributions. *Annals of the Institute of Statistical Mathematics*, 36(1):87–100, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481956>. See corrections [1327].

**Venkataraman:1984:LTL**

- [1263] K. N. Venkataraman and K. Suresh Chandra. Limit theorems on a linear explosive stochastic model for time series with moving average error. *Annals of the Institute of Statistical Mathematics*, 36(1):101–118, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481957>.

**Fujikoshi:1984:APM**

- [1264] Yasunori Fujikoshi and Yoshimichi Ochi. Asymptotic properties of the maximum likelihood estimate in the first order autoregressive process. *Annals of the Institute of Statistical Mathematics*, 36(1):119–128, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481958>.

**Bhattacharya:1984:TIA**

- [1265] C. G. Bhattacharya. Two inequalities with an application. *Annals of the Institute of Statistical Mathematics*, 36(1):129–134, 1984. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481959>.

**Hayashi:1984:CBS**

- [1266] Chikio Hayashi and Tatsuzo Suzuki. Changes in belief systems, quality of life issues and social conditions over 25 years in post-war Japan. *Annals of the Institute of Statistical Mathematics*, 36(1):135–161, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481960>.

**Bozdogan:1984:CMS**

- [1267] Hamparsum Bozdogan and Stanley L. Sclove. Correction to “Multi-sample cluster analysis using Akaike’s information criterion”. *Annals of the Institute of Statistical Mathematics*, 36(1):162, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02481961>. See [1268].

**Bozdogan:1984:MSC**

- [1268] Hamparsum Bozdogan and Stanley L. Sclove. Multi-sample cluster analysis using Akaike’s information criterion. *Annals of the Institute of Statistical Mathematics*, 36(1):163–180, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481962>. See corrections [1267].

**Kuboki:1984:GRC**

- [1269] Hisataka Kuboki. A generalization of the relative conditional expecta-

tion — further properties of Pitman’s  $T^*$  and their applications to statistics. *Annals of the Institute of Statistical Mathematics*, 36(1):181–197, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481963>.

**Eguchi:1984:CSO**

- [1270] Shinto Eguchi. A characterization of second order efficiency in a curved exponential family. *Annals of the Institute of Statistical Mathematics*, 36(1):199–206, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481964>.

**Inada:1984:MRE**

- [1271] Kôichi Inada. A minimax regret estimator of a normal mean after preliminary test. *Annals of the Institute of Statistical Mathematics*, 36(1):207–215, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481965>.

**Bar-Lev:1984:LSP**

- [1272] Shaul K. Bar-Lev. Large sample properties of the MLE and MCLE for the natural parameter of a truncated exponential family. *Annals of the Institute of Statistical Mathematics*, 36(1):217–222, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481966>.



Shiraishi:1984:RAL

- [1273] Taka-Aki Shiraishi. Rank analogues of the likelihood ratio test for an ordered alternative in a two-way layout. *Annals of the Institute of Statistical Mathematics*, 36(1):223–237, ??? 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481967>.

Crowder:1984:CML

- [1274] Martin Crowder. On constrained maximum likelihood estimation with non-i.i.d. observations. *Annals of the Institute of Statistical Mathematics*, 36(1):239–249, ??? 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481968>.

Kimura:1984:RST

- [1275] Miyoshi Kimura. Robust slippage tests. *Annals of the Institute of Statistical Mathematics*, 36(1):251–270, ??? 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481969>.

Mathal:1984:EWI

- [1276] A. M. Mathal. Extensions of Wilks' integral equations and distributions of test statistics. *Annals of the Institute of Statistical Mathematics*, 36(1):271–288, ??? 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481970>.

Nagaraja:1984:ALP

- [1277] H. N. Nagaraja. Asymptotic linear prediction of extreme order statistics. *Annals of the Institute of Statistical Mathematics*, 36(1):289–299, ??? 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481971>.

Berman:1984:LDS

- [1278] Simeon M. Berman. Limiting distribution of sums of nonnegative stationary random variables. *Annals of the Institute of Statistical Mathematics*, 36(1):301–321, ??? 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481972>.

Agrawal:1984:RSS

- [1279] M. C. Agrawal. A robustness study in sampling on successive occasions. *Annals of the Institute of Statistical Mathematics*, 36(1):323–335, ??? 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481973>.

Nagasaka:1984:BL

- [1280] Kenji Nagasaka. On Benford's law. *Annals of the Institute of Statistical Mathematics*, 36(1):337–352, ??? 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481974>.

Itoh:1984:RCM

- [1281] Yoshiaki Itoh. Random collision model for random genetic drift and stochastic



difference equation. *Annals of the Institute of Statistical Mathematics*, 36(1):353–362, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481975>.

**Yanagimoto:1984:MFP**

- [1282] Takemi Yanagimoto and Toshinari Kamakura. The maximum full and partial likelihood estimators in the proportional hazard model. *Annals of the Institute of Statistical Mathematics*, 36(1):363–373, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481976>.

**Nakamura:1984:ETM**

- [1283] Tadashi Nakamura. Existence theorems of a maximum likelihood estimate from a generalized censored data sample. *Annals of the Institute of Statistical Mathematics*, 36(1):375–393, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481977>.

**Srivastava:1984:ERC**

- [1284] V. K. Srivastava, Baldev Raj, and Kuldeep Kumar. Estimation of a random coefficient model under linear stochastic constraints. *Annals of the Institute of Statistical Mathematics*, 36(1):395–401, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481978>.

**Robinson:1984:KEI**

- [1285] P. M. Robinson. Kernel estimation and interpolation for time series containing missing observations. *Annals of the Institute of Statistical Mathematics*, 36(1):403–417, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481979>.

**Yamamoto:1984:ABL**

- [1286] Taku Yamamoto and Naoto Kunitomo. Asymptotic bias of the least squares estimator for multivariate autoregressive models. *Annals of the Institute of Statistical Mathematics*, 36(1):419–430, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481980>.

**Aki:1984:DDO**

- [1287] Sigeo Aki, Hisataka Kuboki, and Katuomi Hirano. On discrete distributions of order  $k$ . *Annals of the Institute of Statistical Mathematics*, 36(1):431–440, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481981>.

**Loh:1984:SUS**

- [1288] Wei-Yin Loh. Strong unimodality and scale mixtures. *Annals of the Institute of Statistical Mathematics*, 36(1):441–449, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481982>.



Lin:1984:NED

- [1289] Gwo Dong Lin. A note on equal distributions. *Annals of the Institute of Statistical Mathematics*, 36(1):451–453, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481983>.

Georgiev:1984:SCN

- [1290] Alexander A. Georgiev. Speed of convergence in nonparametric kernel estimation of a regression function and its derivatives. *Annals of the Institute of Statistical Mathematics*, 36(1):455–462, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481984>. See corrections [1755].

Shiraishi:1984:SAR

- [1291] Taka-Aki Shiraishi. Semi-aligned rank tests. *Annals of the Institute of Statistical Mathematics*, 36(1):463–473, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481985>.

Azuma:1984:MSC

- [1292] Shinji Azuma, Kenji Hayashi, and Akio Kudô. Moments of a statistic caused by random combinations or random matings. *Annals of the Institute of Statistical Mathematics*, 36(1):475–479, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481986>.

Huda:1984:VFG

- [1293] S. Huda. Variance functions for  $m$ -grouped cylindrically rotatable designs of type 3. *Annals of the Institute of Statistical Mathematics*, 36(1):481–483, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481987>.

Menzeffricke:1984:DTA

- [1294] Ulrich Menzeffricke. A decision-theoretic approach to some screening problems. *Annals of the Institute of Statistical Mathematics*, 36(1):485–497, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481988>.

Barankin:1984:BRV

- [1295] Edward W. Barankin and Koiti Takahasi. Betweenness for real vectors and lines, III alternative characterizations of betweennesses. *Annals of the Institute of Statistical Mathematics*, 36(1):499–520, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481989>.

Ishiguro:1984:BAP

- [1296] Makio Ishiguro and Yosiyuki Sakamoto. A Bayesian approach to the probability density estimation. *Annals of the Institute of Statistical Mathematics*, 36(1):523–538, 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481990>.



**Anonymous:1984:HC**

- [1297] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 36(1):??, ??? 1984. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Matsunawa:1985:EAD**

- [1298] T. Matsunawa. The exact and approximate distributions of linear combinations of selected order statistics from a uniform distribution. *Annals of the Institute of Statistical Mathematics*, 37(1):1–16, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481076>.

**Akahira:1985:ECP**

- [1299] Masafumi Akahira and Kei Takeuchi. Estimation of a common parameter for pooled samples from the uniform distributions. *Annals of the Institute of Statistical Mathematics*, 37(1):17–26, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481077>.

**Hall:1985:LTM**

- [1300] Peter Hall and A. H. Welsh. Limit theorems for the median deviation. *Annals of the Institute of Statistical Mathematics*, 37(1):27–36, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481078>.

**Yanagimoto:1985:SLA**

- [1301] Takemi Yanagimoto and Eiji Yamamoto. Simple linear approximations

to the likelihood equation for combining evidence in multiple  $2 \times 2$  tables: A critique of conventional procedures. *Annals of the Institute of Statistical Mathematics*, 37(1):37–49, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481079>.

**Puri:1985:RCN**

- [1302] Madan L. Puri and Munsup Seoh. On the rate of convergence to normality for generalized linear rank statistics. *Annals of the Institute of Statistical Mathematics*, 37(1):51–69, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481080>.

**Singh:1985:EBE**

- [1303] R. S. Singh. Empirical Bayes estimation in a multiple linear regression model. *Annals of the Institute of Statistical Mathematics*, 37(1):71–86, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481081>.

**Konishi:1985:NVS**

- [1304] Sadanori Konishi. Normalizing and variance stabilizing transformations for intraclass correlations. *Annals of the Institute of Statistical Mathematics*, 37(1):87–94, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481082>.



**Hayakawa:1985:AED**

- [1305] Takesi Hayakawa and Madan L. Puri. Asymptotic expansions of the distributions of some test statistics. *Annals of the Institute of Statistical Mathematics*, 37(1):95–108, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481083>.

**Esty:1985:ADT**

- [1306] W. Esty, R. Gillette, M. Hamilton, and D. Taylor. Asymptotic distribution theory of statistical functionals: The compact derivative approach for robust estimators. *Annals of the Institute of Statistical Mathematics*, 37(1):109–129, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481084>.

**Taylor:1985:ADT**

- [1307] Donald C. Taylor. Asymptotic distribution theory for general statistical functionals. *Annals of the Institute of Statistical Mathematics*, 37(1):131–138, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481085>.

**Kageyama:1985:CPD**

- [1308] Sanpei Kageyama. Connectedness of PBIB designs having asymmetrical association schemes. *Annals of the Institute of Statistical Mathematics*, 37(1):139–143, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481086>.

**Banerjee:1985:SCP**

- [1309] Shakti Banerjee, Bhagwandas, and S. Kageyama. Some constructions of PBIB designs. *Annals of the Institute of Statistical Mathematics*, 37(1):145–150, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481087>.

**Lingappaiah:1985:SSM**

- [1310] G. S. Lingappaiah. A study of shifting models in life tests via Bayesian approach using semi-or-used priors (SOUPS). *Annals of the Institute of Statistical Mathematics*, 37(1):151–163, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481088>.

**Joe:1985:CLD**

- [1311] Harry Joe. Characterizations of life distributions from percentile residual lifetimes. *Annals of the Institute of Statistical Mathematics*, 37(1):165–172, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481089>.

**Tanabe:1985:CGM**

- [1312] Kunio Tanabe. The conjugate gradient method for computing all the extremal stationary probability vectors of a stochastic matrix. *Annals of the Institute of Statistical Mathematics*, 37(1):173–187, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481090>.



**Tanabe:1985:GAC**

- [1313] Kunio Tanabe. Global analysis of continuous analogues of the Levenberg–Marquardt and Newton–Raphson methods for solving nonlinear equations. *Annals of the Institute of Statistical Mathematics*, 37(1):189–203, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481091>.

**Aki:1985:DDO**

- [1314] Sigeo Aki. Discrete distributions of order  $k$  on a binary sequence. *Annals of the Institute of Statistical Mathematics*, 37(1):205–224, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481092>.

**Ruschendorf:1985:CMD**

- [1315] Ludger Rüschendorf. Construction of multivariate distributions with given marginals. *Annals of the Institute of Statistical Mathematics*, 37(1):225–233, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481093>.

**Henna:1985:ENC**

- [1316] Jōgi Henna. On estimating of the number of constituents of a finite mixture of continuous distributions. *Annals of the Institute of Statistical Mathematics*, 37(1):235–240, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481094>.

**Kyriakoussis:1985:AMV**

- [1317] A. Kyriakoussis. Asymptotically minimum variance unbiased estimation for a class of power series distributions. *Annals of the Institute of Statistical Mathematics*, 37(1):241–250, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481095>.

**Inagaki:1985:PTM**

- [1318] Nobuo Inagaki and Pranab Kumar Sen. On progressively truncated maximum likelihood estimators. *Annals of the Institute of Statistical Mathematics*, 37(1):251–269, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481096>.

**Cox:1985:PMN**

- [1319] Dennis D. Cox. A penalty method for nonparametric estimation of the logarithmic derivative of a density function. *Annals of the Institute of Statistical Mathematics*, 37(1):271–288, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481097>.

**Isogai:1985:SEH**

- [1320] Takafumi Isogai. Some extension of Haldane’s multivariate median and its application. *Annals of the Institute of Statistical Mathematics*, 37(1):289–301, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481098>.



Chen:1985:SSL

- [1321] Pinyuen Chen. Subset selection for the least probable multinomial cell. *Annals of the Institute of Statistical Mathematics*, 37(1):303–314, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481099>.

Laippala:1985:EBR

- [1322] Pekka Laippala. The empirical Bayes rules with floating optimal sample size for exponential conditional distributions. *Annals of the Institute of Statistical Mathematics*, 37(1):315–327, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481100>.

Raktoe:1985:LSA

- [1323] B. L. Raktoe and W. T. Federer. Lattice square approach to construction of mutually orthogonal  $F$ -squares. *Annals of the Institute of Statistical Mathematics*, 37(1):329–336, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481101>.

Saha:1985:CBA

- [1324] G. M. Saha and B. K. Samanta. A construction of balanced arrays of strength  $t$  and some related incomplete block designs. *Annals of the Institute of Statistical Mathematics*, 37(1):337–345, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481102>.

Basu:1985:TWS

- [1325] A. P. Basu and Nader Ebrahimi. Testing whether survival function is harmonic new better than used in expectation. *Annals of the Institute of Statistical Mathematics*, 37(1):347–359, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481103>.

Klefsjö:1985:SCP

- [1326] Bengt Klefsjö. Some comments on a paper on  $k$ -HNBUE life distributions. *Annals of the Institute of Statistical Mathematics*, 37(1):361–364, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481104>.

Basu:1985:COH

- [1327] A. P. Basu and Nader Ebrahimi. Corrections to “On  $k$ -order harmonic new better than used in expectation distributions”. *Annals of the Institute of Statistical Mathematics*, 37(1):365–366, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02481105>. See [1262].

Makino:1985:CII

- [1328] Toji Makino. Corrections to “On the independence of interdeparture intervals from single server queueing systems”. *Annals of the Institute of Statistical Mathematics*, 37(1):367, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481105>.



com/accesspage/article/10.1007/BF02481106. See [947].

**Sakamoto:1985:BBR**

- [1329] Yosiyuki Sakamoto and Makio Ishiguro. Bayesian binary regression involving two explanatory variables. *Annals of the Institute of Statistical Mathematics*, 37(1):369–387, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481107>. See corrections [1420].

**Yajima:1985:EDD**

- [1330] Yoshihiro Yajima. Estimation of the degree of differencing of an ARIMA process. *Annals of the Institute of Statistical Mathematics*, 37(1):389–408, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481108>.

**Koteeswaran:1985:SCT**

- [1331] P. Koteeswaran, K. Nanthi, and K. Suresh Chandra. Some convergence theorems on a supercritical Galton–Watson process. *Annals of the Institute of Statistical Mathematics*, 37(1):409–414, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481109>.

**Noda:1985:OCS**

- [1332] Kazuo Noda. Optimal construction of a selection of a subpopulation. *Annals of the Institute of Statistical Mathematics*, 37(1):415–435, ??? 1985. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481110>.

**Nagata:1985:MPT**

- [1333] Yasushi Nagata and Taichi Inaba. Minimality of a preliminary test estimator for the mean of normal distribution. *Annals of the Institute of Statistical Mathematics*, 37(1):437–442, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481111>.

**Greblicki:1985:FHS**

- [1334] Włodzimierz Grebicki and Mirosław Pawlak. Fourier and Hermite series estimates of regression functions. *Annals of the Institute of Statistical Mathematics*, 37(1):443–454, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481112>.

**Sinha:1985:USE**

- [1335] Bikas Kumar Sinha and Arup Bose. Unbiased sequential estimation of  $1/p$ : Settlement of a conjecture. *Annals of the Institute of Statistical Mathematics*, 37(1):455–460, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481113>.

**vanEeden:1985:MIS**

- [1336] Constance van Eeden. Mean integrated squared error of kernel estimators when the density and its derivative are not necessarily continuous. *Annals of the Institute of Statistical Mathematics*, 37(1):461–472, ???



1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481114>.

**Moothathu:1985:DML**

- [1337] T. S. K. Moothathu. Distributions of maximum likelihood estimators of Lorenz curve and Gini index of exponential distribution. *Annals of the Institute of Statistical Mathematics*, 37(1):473–479, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481115>.

**deWaal:1985:RSM**

- [1338] D. J. de Waal, P. C. N. Groenewald, J. M. van Zyl, and J. V. Zidek. A randomized solution for multi-Bayes estimates of the multinormal mean. *Annals of the Institute of Statistical Mathematics*, 37(1):481–486, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481116>.

**Ki:1985:ICS**

- [1339] Fanny Ki and Kam-Wah Tsui. Improved confidence set estimators of a multivariate normal mean and generalizations. *Annals of the Institute of Statistical Mathematics*, 37(1):487–498, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481117>.

**Chiou:1985:ECM**

- [1340] Wen-Jau Chiou and Arthur Cohen. On estimating a common multivariate normal mean vector. *Annals of*

*the Institute of Statistical Mathematics*, 37(1):499–506, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481118>.

**Kaminsky:1985:MLP**

- [1341] Kenneth S. Kaminsky and Lennart S. Rhodin. Maximum likelihood prediction. *Annals of the Institute of Statistical Mathematics*, 37(1):507–517, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481119>.

**Shiraishi:1985:LPT**

- [1342] Taka-Aki Shiraishi. Local powers of two-sample and multi-sample rank tests for Lehmann's contaminated alternative. *Annals of the Institute of Statistical Mathematics*, 37(1):519–527, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481120>.

**Reiss:1985:ADO**

- [1343] R.-D. Reiss. Approximations to the distributions of ordered distance random variables. *Annals of the Institute of Statistical Mathematics*, 37(1):529–533, 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481121>.

**Choi:1985:CLC**

- [1344] B. S. Choi. A conditional limit construction of the normal probability density. *Annals of the Institute of Statistical Mathematics*, 37(1):535–539,



???? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481122>.

**Moschopoulos:1985:DSI**

- [1345] P. G. Moschopoulos. The distribution of the sum of independent gamma random variables. *Annals of the Institute of Statistical Mathematics*, 37(1):541–544, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481123>.

**Blough:1985:MLP**

- [1346] David K. Blough. Measures of location in the plane. *Annals of the Institute of Statistical Mathematics*, 37(1):545–555, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481124>.

**Jacroux:1985:SOD**

- [1347] Mike Jacroux. Some  $E$  and  $MV$ -optimal designs for the two-way elimination of heterogeneity. *Annals of the Institute of Statistical Mathematics*, 37(1):557–566, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481125>.

**Marx:1985:CQF**

- [1348] D. G. Marx. Corrections to “Quadratic forms of a matrix- $t$  variate”. *Annals of the Institute of Statistical Mathematics*, 37(1):567, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02481126>. See [1239].

<http://link.springer.com/accesspage/article/10.1007/BF02481126>. See [1239].

**Anonymous:1985:HC**

- [1349] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 37(1):??, ??? 1985. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Aki:1986:STS**

- [1350] Sigeo Aki. Some test statistics based on the martingale term of the empirical distribution function. *Annals of the Institute of Statistical Mathematics*, 38(1):1–21, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482496>.

**Evans:1986:MCR**

- [1351] Michael Evans. Moments of coverage of a random ellipsoid. *Annals of the Institute of Statistical Mathematics*, 38(1):23–33, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482497>.

**Akahira:1986:BBV**

- [1352] Masafumi Akahira, Madan L. Puri, and Kei Takeuchi. Bhattacharyya bound of variances of unbiased estimators in nonregular cases. *Annals of the Institute of Statistical Mathematics*, 38(1):35–44, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482498>.



**Tsui:1986:MES**

- [1353] Kam-Wah Tsui. Multiparameter estimation for some multivariate discrete distributions with possibly dependent components. *Annals of the Institute of Statistical Mathematics*, 38(1):45–56, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482499>.

**Kano:1986:CCL**

- [1354] Yutaka Kano. Consistency conditions on the least squares estimator in single common factor analysis model. *Annals of the Institute of Statistical Mathematics*, 38(1):57–68, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482500>.

**Isogai:1986:ACF**

- [1355] Eiichi Isogai. Asymptotic consistency of fixed-width sequential confidence intervals for a multiple regression function. *Annals of the Institute of Statistical Mathematics*, 38(1):69–83, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482501>.

**Akai:1986:SEL**

- [1356] Toyooki Akai. Simultaneous estimation of location parameters of the distribution with finite support. *Annals of the Institute of Statistical Mathematics*, 38(1):85–99, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482502>.

**Dey:1986:TME**

- [1357] Dipak K. Dey and C. Srinivasan. Trimmed minimax estimator of a covariance matrix. *Annals of the Institute of Statistical Mathematics*, 38(1):101–108, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482503>.

**Chikuse:1986:SPI**

- [1358] Yasuko Chikuse and A. W. Davis. Some properties of invariant polynomials with matrix arguments and their applications in econometrics. *Annals of the Institute of Statistical Mathematics*, 38(1):109–122, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482504>.

**Gates:1986:CES**

- [1359] David J. Gates and Mark Westcott. Clustering estimates for spatial point distributions with unstable potentials. *Annals of the Institute of Statistical Mathematics*, 38(1):123–135, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482505>.

**Huang:1986:CLD**

- [1360] Wei-Min Huang. A characterization of limiting distributions of estimators in an autoregressive process. *Annals of the Institute of Statistical Mathematics*, 38(1):137–144, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02482506>.

**Shirakura:1986:BPF**

- [1361] Teruhiro Shirakura. Block plan for a fractional  $2^m$  factorial design derived from a  $2^r$  factorial design. *Annals of the Institute of Statistical Mathematics*, 38(1):145–159, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482507>.

**Constantine:1986:OBD**

- [1362] Gregory M. Constantine. On the optimality of block designs. *Annals of the Institute of Statistical Mathematics*, 38(1):161–174, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482508>.

**Barankin:1986:TSI**

- [1363] Edward W. Barankin. Time, space and incidence in general, with a consequent proof of the law of homeostasis. *Annals of the Institute of Statistical Mathematics*, 38(1):175–194, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482509>.

**Shimizu:1986:IDM**

- [1364] Ryoichi Shimizu. Inequalities for a distribution with monotone hazard rate. *Annals of the Institute of Statistical Mathematics*, 38(1):195–204, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482510>.

**Matsunawa:1986:MIC**

- [1365] T. Matsunawa. Modified information criteria for a uniform approximate equivalence of probability distributions. *Annals of the Institute of Statistical Mathematics*, 38(1):205–222, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482511>.

**Panaretos:1986:GBM**

- [1366] John Panaretos and Evdokia Xekalaki. On generalized binomial and multinomial distributions and their relation to generalized Poisson distributions. *Annals of the Institute of Statistical Mathematics*, 38(1):223–231, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482512>.

**Bowman:1986:RDU**

- [1367] K. O. Bowman and L. R. Shenton. A reinforcement-depletion urn model: A contiguity case. *Annals of the Institute of Statistical Mathematics*, 38(1):233–243, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482513>.

**Falk:1986:RUC**

- [1368] M. Falk. Rates of uniform convergence of extreme order statistics. *Annals of the Institute of Statistical Mathematics*, 38(1):245–262, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482514>.



**Watson:1986:SET**

- [1369] G. S. Watson. Some estimation theory on the sphere. *Annals of the Institute of Statistical Mathematics*, 38(1):263–275, 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482515>.

**Bar-lev:1986:LRT**

- [1370] Shaul K. Bar-lev and Benzion Boukai. Likelihood ratio tests for comparing  $k$  populations — the two-parameter nonregular models. *Annals of the Institute of Statistical Mathematics*, 38(1):277–283, 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482516>.

**Provost:1986:STS**

- [1371] Serge B. Provost. Some test statistics for the structural coefficients of the multivariate linear functional relationship model. *Annals of the Institute of Statistical Mathematics*, 38(1):285–296, 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482517>.

**Kwoun:1986:AMT**

- [1372] Gea Hwa Kwoun and Yoshihiro Yajima. On an autoregressive model with time-dependent coefficients. *Annals of the Institute of Statistical Mathematics*, 38(1):297–309, 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482518>.

**Chandra:1986:ISS**

- [1373] K. Suresh Chandra and P. Koteeswaran. Inference on superimposed subcritical Galton–Watson processes with immigration. *Annals of the Institute of Statistical Mathematics*, 38(1):311–318, 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482519>.

**Nishii:1986:CSR**

- [1374] Ryuei Nishii. Criteria for selection of response variables and the asymptotic properties in a multivariate calibration. *Annals of the Institute of Statistical Mathematics*, 38(1):319–329, 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482520>.

**Mukerjee:1986:FOP**

- [1375] Rahul Mukerjee and Haruo Yanai. Factorial orthogonality in the presence of covariates. *Annals of the Institute of Statistical Mathematics*, 38(1):331–341, 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482521>.

**Kuwada:1986:OPB**

- [1376] Masahide Kuwada. Optimal partially balanced fractional  $2^{m_1+m_2}$  factorial designs of resolution IV. *Annals of the Institute of Statistical Mathematics*, 38(1):343–351, 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482522>.



**Nakamura:1986:BCM**

- [1377] Takashi Nakamura. Bayesian cohort models for general cohort table analyses. *Annals of the Institute of Statistical Mathematics*, 38(1):353–370, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482523>.

**Niki:1986:ETH**

- [1378] Naoto Niki and Sadanori Konishi. Effects of transformations in higher order asymptotic expansions. *Annals of the Institute of Statistical Mathematics*, 38(1):371–383, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482524>.

**Eguchi:1986:PME**

- [1379] Shinto Eguchi. A projection method of estimation for a subfamily of exponential families. *Annals of the Institute of Statistical Mathematics*, 38(1):385–398, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482525>.

**Alam:1986:CRM**

- [1380] Khursheed Alam and Amitava Mitra. Component risk in multiparameter estimation. *Annals of the Institute of Statistical Mathematics*, 38(1):399–410, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482526>.

**Sen:1986:SLE**

- [1381] Pranab Kumar Sen. On stable laws for estimating functions and derived estimators. *Annals of the Institute of Statistical Mathematics*, 38(1):411–417, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482527>.

**Ghosh:1986:IPT**

- [1382] Malay Ghosh and Dipak K. Dey. On the inadmissibility of preliminary-test estimators when the loss involves a complexity cost. *Annals of the Institute of Statistical Mathematics*, 38(1):419–427, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482528>.

**Barabas:1986:BCB**

- [1383] Béla Barabás, Miklós Csörgő, Lajos Horváth, and Brian S. Yandell. Bootstrapped confidence bands for percentile lifetime. *Annals of the Institute of Statistical Mathematics*, 38(1):429–438, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482529>.

**Babu:1986:NBV**

- [1384] Gutti Jogesh Babu. A note on bootstrapping the variance of sample quantile. *Annals of the Institute of Statistical Mathematics*, 38(1):439–443, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482530>.



Bofinger:1986:CDS

- [1385] Eve Bofinger.  $\psi$ -correct decision for selection and elimination. *Annals of the Institute of Statistical Mathematics*, 38(1):445–450, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482531>.

Dumitrescu:1986:APM

- [1386] Monica E. Bad Dumitrescu. The application of the principle of minimum cross-entropy to the characterization of the exponential-type probability distributions. *Annals of the Institute of Statistical Mathematics*, 38(1):451–457, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482532>.

Shibata:1986:SNR

- [1387] Ritei Shibata. Selection of the number of regression variables; a minimax choice of generalized FPE. *Annals of the Institute of Statistical Mathematics*, 38(1):459–474, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482533>.

Rao:1986:WCL

- [1388] B. L. S. Prakasa Rao. The weak convergence of least squares random fields and its application. *Annals of the Institute of Statistical Mathematics*, 38(1):475–483, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482534>.

Koziol:1986:REG

- [1389] James A. Koziol. Relative efficiencies of goodness of fit procedures for assessing univariate normality. *Annals of the Institute of Statistical Mathematics*, 38(1):485–493, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482535>.

Chou:1986:LMT

- [1390] Rouh-Jane Chou and Wen da Lo. On the local minimaxity of a test of independence in incomplete samples. *Annals of the Institute of Statistical Mathematics*, 38(1):495–502, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482536>.

Sutrick:1986:APC

- [1391] Kenneth H. Sutrick. Asymptotic power comparison of the chi-square and likelihood ratio tests. *Annals of the Institute of Statistical Mathematics*, 38(1):503–511, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482537>.

Shiraishi:1986:APR

- [1392] Taka-Aki Shiraishi. The asymptotic power of rank tests under scale-alternatives including contaminated distributions. *Annals of the Institute of Statistical Mathematics*, 38(1):513–522, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482538>.



**Hyakutake:1986:CMC**

- [1393] Hiroto Hyakutake. A construction method of certain matrices required in the multivariate heteroscedastic method. *Annals of the Institute of Statistical Mathematics*, 38(1):523–528, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482539>.

**Balakrishnan:1986:EMB**

- [1394] N. Balakrishnan, S. Kocherlakota, and K. Kocherlakota. On the errors of misclassification based on dichotomous and normal variables. *Annals of the Institute of Statistical Mathematics*, 38(1):529–538, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482540>.

**Robinson:1986:CFS**

- [1395] P. M. Robinson. On the consistency and finite-sample properties of non-parametric kernel time series regression, autoregression and density estimators. *Annals of the Institute of Statistical Mathematics*, 38(1):539–549, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482541>.

**David:1986:IOS**

- [1396] H. A. David. Inequalities for ordered sums. *Annals of the Institute of Statistical Mathematics*, 38(1):551–555, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482542>.

**Charalambides:1986:DDO**

- [1397] Ch. A. Charalambides. On discrete distributions of order  $k$ . *Annals of the Institute of Statistical Mathematics*, 38(1):557–568, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482543>.

**Jacroux:1986:URL**

- [1398] Mike Jacroux. On the usage of refined linear models for determining  $N$ -way classification designs which are optimal for comparing test treatments with a standard treatment. *Annals of the Institute of Statistical Mathematics*, 38(1):569–581, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482544>.

**Itoh:1986:GCR**

- [1399] Yoshiaki Itoh. Golay code and random packing. *Annals of the Institute of Statistical Mathematics*, 38(1):583–588, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02482545>.

**Anonymous:1986:HC**

- [1400] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 38(1):??, ??? 1986. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Kuboki:1987:AMC**

- [1401] Hisataka Kuboki. Analysis of marginal and conditional density functions for separate inference. *Annals of the*



*Institute of Statistical Mathematics*, 39(1):1–23, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491445>.

**Akahira:1987:SOA**

- [1402] Masafumi Akahira. Second order asymptotic comparison of estimators of a common parameter in the double exponential case. *Annals of the Institute of Statistical Mathematics*, 39(1):25–36, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491446>.

**Dorea:1987:EEV**

- [1403] Chang C. Y. Dorea. Estimation of the extreme value and the extreme points. *Annals of the Institute of Statistical Mathematics*, 39(1):37–48, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491447>.

**Inaba:1987:MNP**

- [1404] Taichi Inaba and Yasushi Nagata. Minimality and nonminimality of a preliminary test estimator for the multivariate normal mean. *Annals of the Institute of Statistical Mathematics*, 39(1):49–54, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491448>.

**Chaturvedi:1987:SPE**

- [1405] Ajit Chaturvedi. Sequential point estimation of regression parameters in a

linear model. *Annals of the Institute of Statistical Mathematics*, 39(1):55–67, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491449>.

**Sibuya:1987:RSB**

- [1406] Masaaki Sibuya and Yoshiaki Itoh. Random sequential bisection and its associated binary tree. *Annals of the Institute of Statistical Mathematics*, 39(1):69–84, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491450>.

**Takeuchi:1987:SRVa**

- [1407] Kei Takeuchi and Akimichi Takemura. On sum of 0–1 random variables I. Univariate case. *Annals of the Institute of Statistical Mathematics*, 39(1):85–102, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491451>.

**Cowan:1987:BED**

- [1408] Richard Cowan. A bivariate exponential distribution arising in random geometry. *Annals of the Institute of Statistical Mathematics*, 39(1):103–111, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491452>.

**Kimeldorf:1987:PDO**

- [1409] George Kimeldorf and Allan R. Sampson. Positive dependence orderings. *Annals of the Institute of Statistical Mathematics*, 39(1):113–128, 1987.



1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491453>.

**Lin:1987:RBT**

- [1410] Gwo Dong Lin. Relationships between two extensions of Farlie–Gumbel–Morgenstern distribution. *Annals of the Institute of Statistical Mathematics*, 39(1):129–140, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491454>.

**Davis:1987:SDT**

- [1411] A. W. Davis and T. Hayakawa. Some distribution theory relating to confidence regions in multivariate calibration. *Annals of the Institute of Statistical Mathematics*, 39(1):141–152, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491455>.

**Fujikoshi:1987:EBA**

- [1412] Yasunori Fujikoshi. Error bounds for asymptotic expansions of the distribution of the MLE in a GMANOVA model. *Annals of the Institute of Statistical Mathematics*, 39(1):153–161, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491456>.

**Sarkar:1987:TSU**

- [1413] Shakuntala Sarkar and P. R. Krishniah. Tests for sphericity under correlated multivariate regression equations model. *Annals of the Institute of*

*Statistical Mathematics*, 39(1):163–175, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491457>.

**Dudewicz:1987:HMM**

- [1414] Edward J. Dudewicz and Vidya S. Taneja. The heteroscedastic method: Multivariate implementation. *Annals of the Institute of Statistical Mathematics*, 39(1):177–190, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491458>.

**Uesaka:1987:LSL**

- [1415] Hiroyuki Uesaka and Chooichiro Asano. Latent scale linear models for multivariate ordinal responses and analysis by the method of weighted least squares. *Annals of the Institute of Statistical Mathematics*, 39(1):191–210, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491459>.

**Dumitrescu:1987:NPE**

- [1416] Monica E. Bad Dumitrescu. On the normality a posteriori for exponential distributions, using the Bayesian estimation. *Annals of the Institute of Statistical Mathematics*, 39(1):211–218, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491460>.

**Draper:1987:BAH**

- [1417] Norman Draper and Irwin Guttman. Bayesian analysis of hybrid life tests



with exponential failure times. *Annals of the Institute of Statistical Mathematics*, 39(1):219–225, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491461>.

**Tamura:1987:ANP**

- [1418] Yoshiyasu-Hamada Tamura. An approach to the nonstationary process analysis. *Annals of the Institute of Statistical Mathematics*, 39(1):227–241, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491462>.

**Vere-Jones:1987:CSE**

- [1419] D. Vere-Jones and T. Ozaki. Corrections to “Some examples of statistical estimation applied to earthquake data”. *Annals of the Institute of Statistical Mathematics*, 39(1):243, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02491463>. See [1170].

**Sakamoto:1987:CBB**

- [1420] Yosiyuki Sakamoto and Makio Ishiguro. Corrections to “Bayesian binary regression involving two explanatory variables”. *Annals of the Institute of Statistical Mathematics*, 39(1):245, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02491464>. See [1329].

**Yanagimoto:1987:NOR**

- [1421] Takemi Yanagimoto. A notion of an obstructive residual likelihood. *Annals of the Institute of Statistical Mathematics*, 39(1):247–261, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491465>.

**Mussmann:1987:CML**

- [1422] Dieter Mussmann. On a characterization of monotone likelihood ratio experiments. *Annals of the Institute of Statistical Mathematics*, 39(1):263–274, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491466>.

**Kishino:1987:VSS**

- [1423] Hirohisa Kishino. Variance of sightings in the survey of patchily distributed objects. *Annals of the Institute of Statistical Mathematics*, 39(1):275–287, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491467>.

**Tong:1987:IEC**

- [1424] Y. L. Tong. Interval estimation of the critical value in a general linear model. *Annals of the Institute of Statistical Mathematics*, 39(1):289–297, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491468>.

**Hayakawa:1987:NVS**

- [1425] Takesi Hayakawa. Normalizing and variance stabilizing transformations of



multivariate statistics under an elliptical population. *Annals of the Institute of Statistical Mathematics*, 39(1):299–306, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491469>.

**Takeuchi:1987:SRVb**

- [1426] Kei Takeuchi and Akimichi Takemura. On sum of 0–1 random variables II. Multivariate case. *Annals of the Institute of Statistical Mathematics*, 39(1):307–324, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491470>.

**Chen:1987:RPS**

- [1427] Pinyuen Chen. The  $k$ -in-a-row procedure in selection theory. *Annals of the Institute of Statistical Mathematics*, 39(1):325–330, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491471>.

**Cheng:1987:NID**

- [1428] K. F. Cheng. Nonparametric inference on the difference of location parameters of correlated variables from fragmentary samples. *Annals of the Institute of Statistical Mathematics*, 39(1):331–347, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491472>.

**Govindarajulu:1987:AES**

- [1429] Z. Govindarajulu and Bo. H. Lindqvist. Asymptotic efficiency of the Spearman

estimator and characterizations of distributions. *Annals of the Institute of Statistical Mathematics*, 39(1):349–361, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491473>.

**Maesono:1987:CWS**

- [1430] Yoshihiko Maesono. Competitors of the Wilcoxon signed rank test. *Annals of the Institute of Statistical Mathematics*, 39(1):363–375, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491474>.

**Yao:1987:NTC**

- [1431] Yi-Ching Yao. A note on testing for constant hazard against a change-point alternative. *Annals of the Institute of Statistical Mathematics*, 39(1):377–383, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491475>.

**Lee:1987:SSC**

- [1432] K. Y. Lee and Mike Jacroux. Some sufficient conditions for the  $E$ - and  $MV$ -optimality of block designs having blocks of unequal size. *Annals of the Institute of Statistical Mathematics*, 39(1):385–397, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491476>.

**Cacoullos:1987:CPP**

- [1433] Theophilos Cacoullos. Characterizing priors by posterior expectations



in multiparameter exponential families. *Annals of the Institute of Statistical Mathematics*, 39(1):399–405, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491477>.

**Sato:1987:MMU**

- [1434] Ken ito Sato. Modes and moments of unimodal distributions. *Annals of the Institute of Statistical Mathematics*, 39(1):407–415, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491478>.

**Masry:1987:LNF**

- [1435] Elias Masry and Bernard Picinbono. Linear/ nonlinear forms and the normal law: Characterization by high order correlations. *Annals of the Institute of Statistical Mathematics*, 39(1):417–428, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491479>.

**Muliere:1987:CMO**

- [1436] Pietro Muliere and Marco Scarsini. Characterization of a Marshall–Olkin type class of distributions. *Annals of the Institute of Statistical Mathematics*, 39(1):429–441, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491480>.

**Sato:1987:PTI**

- [1437] Manabu Sato. Pragmatic treatment of improper solutions in factor analy-

sis. *Annals of the Institute of Statistical Mathematics*, 39(1):443–455, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491481>.

**Aki:1987:NTS**

- [1438] Sigeo Aki. On nonparametric tests for symmetry. *Annals of the Institute of Statistical Mathematics*, 39(1):457–472, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491482>.

**Nabeya:1987:ANT**

- [1439] Seiji Nabeya. On Aki's nonparametric test for symmetry. *Annals of the Institute of Statistical Mathematics*, 39(1):473–482, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491483>.

**Bergman:1987:NST**

- [1440] Bo Bergman and Bengt Klefsjö. A note on some test statistics against HNBUE. *Annals of the Institute of Statistical Mathematics*, 39(1):483–488, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491484>.

**Nomakuchi:1987:NTT**

- [1441] Kentaro Nomakuchi and Toshio Sakata. A note on testing two-dimensional normal mean. *Annals of the Institute of Statistical Mathematics*, 39(1):489–495, 1987. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491485>.

**Sarma:1987:APR**

- [1442] Y. Rama Krishna Sarma. Asymptotic properties of Rao's test for testing hypotheses in discrete parameter stochastic processes. *Annals of the Institute of Statistical Mathematics*, 39(1):497–512, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491486>.

**Uesaka:1987:AOC**

- [1443] Hiroyuki Uesaka and Chooichiro Asano. Analysis of ordered categorical data from repeated measurements assuming a quantitative latent variable. *Annals of the Institute of Statistical Mathematics*, 39(1):513–531, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491487>.

**Hardle:1987:ESR**

- [1444] Wolfgang Härdle. An effective selection of regression variables when the error distribution is incorrectly specified. *Annals of the Institute of Statistical Mathematics*, 39(1):533–548, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491488>.

**Singh:1987:MNK**

- [1445] Radhey S. Singh and Manzoor Ahmad. Modified nonparametric kernel estimates of a regression function and their consistencies with rates.

*Annals of the Institute of Statistical Mathematics*, 39(1):549–562, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491489>.

**Stepniak:1987:CCL**

- [1446] C. Stepniak. A complete class for linear estimation in a general linear model. *Annals of the Institute of Statistical Mathematics*, 39(1):563–573, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491490>.

**Kunitomo:1987:TOO**

- [1447] Naoto Kunitomo. A third order optimum property of the ML estimator in a linear functional relationship model and simultaneous equation system in econometrics. *Annals of the Institute of Statistical Mathematics*, 39(1):575–591, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491491>.

**Akahira:1987:LBV**

- [1448] Masafumi Akahira and Kei Takeuchi. The lower bound for the variance of unbiased estimators for one-directional family of distributions. *Annals of the Institute of Statistical Mathematics*, 39(1):593–610, ??? 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491492>.

**Shimizu:1987:EBA**

- [1449] Ryoichi Shimizu. Error bounds for asymptotic expansion of the scale



mixtures of the normal distribution. *Annals of the Institute of Statistical Mathematics*, 39(1):611–622, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491493>.

**Bhattacharya:1987:BNB**

- [1450] Samir K. Bhattacharya. Bayesian normal analysis with an inverse Gaussian prior. *Annals of the Institute of Statistical Mathematics*, 39(1):623–626, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491494>.

**George:1987:LM**

- [1451] E. Olusegun George and Cecil C. Rousseau. On the logistic midrange. *Annals of the Institute of Statistical Mathematics*, 39(1):627–635, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491495>.

**Takahashi:1987:SPM**

- [1452] Rinya Takahashi. Some properties of multivariate extreme value distributions and multivariate tail equivalence. *Annals of the Institute of Statistical Mathematics*, 39(1):637–647, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491496>.

**Kuwada:1987:RBF**

- [1453] Masahide Kuwada. On the robustness of balanced fractional  $2^m$  factorial designs of resolution  $2l+1$  in the presence

of outliers. *Annals of the Institute of Statistical Mathematics*, 39(1):649–659, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491497>.

**Kageyama:1987:SCL**

- [1454] Sanpei Kageyama. Some characterization of locally resistant BIB designs of degree one. *Annals of the Institute of Statistical Mathematics*, 39(1):661–669, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491498>.

**Banerjee:1987:SCT**

- [1455] Snigdha Banerjee, Sanpei Kageyama, and Bhagwandas. Some constructions of two-associate class PBIB designs. *Annals of the Institute of Statistical Mathematics*, 39(1):671–679, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02491499>.

**Hayakawa:1987:CLR**

- [1456] Takesi Hayakawa. Correction to “The likelihood ratio criterion and the asymptotic expansion of its distribution”. *Annals of the Institute of Statistical Mathematics*, 39(1):681, 1987. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02491500>. See [951].

**Anonymous:1987:HC**

- [1457] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 39(1):??, 1987. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Nakamura:1988:SIO**

- [1458] H. Nakamura and Y. Toyota. Statistical identification and optimal control of thermal power plants. *Annals of the Institute of Statistical Mathematics*, 40(1):1–28, March 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053952>.

**Ogata:1988:LAS**

- [1459] Yoshihiko Ogata and Koichi Katsura. Likelihood analysis of spatial inhomogeneity for marked point patterns. *Annals of the Institute of Statistical Mathematics*, 40(1):29–39, March 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053953>.

**Yasue:1988:SN**

- [1460] Kunio Yasue, Mari Jibu, Tetsuya Misawa, and Jean-Claude Zambrini. Stochastic neurodynamics. *Annals of the Institute of Statistical Mathematics*, 40(1):41–59, March 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053954>.

**Kocherlakota:1988:CBP**

- [1461] S. Kocherlakota. On the compounded bivariate Poisson distribution: A unified treatment. *Annals of the Institute of Statistical Mathematics*, 40(1):61–76, March 1988. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053955>.

**Nishimura:1988:OTT**

- [1462] Kazuo Nishimura and Masaaki Sibuya. Occupancy with two types of balls. *Annals of the Institute of Statistical Mathematics*, 40(1):77–91, March 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053956>.

**Nomakuchi:1988:CCC**

- [1463] Kentaro Nomakuchi and Toshio Sakata. Characterization of conditional covariance and unified theory in the problem of ordering random variables. *Annals of the Institute of Statistical Mathematics*, 40(1):93–99, March 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053957>.

**Wei:1988:EAL**

- [1464] William W. S. Wei and Daniel O. Stram. An eigenvalue approach to the limiting behavior of time series aggregates. *Annals of the Institute of Statistical Mathematics*, 40(1):101–110, March 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053958>.

**Mukhopadhyay:1988:CRT**

- [1465] N. Mukhopadhyay and G. Vik. Convergence rates for two-stage confidence intervals based on  $U$ -statistics. *Annals of the Institute of Statistical Mathematics*, 40(1):111–117, March



1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053959>.

**Sugiura:1988:ECP**

- [1466] Nariaki Sugiura and Tatsuya Kubokawa. Estimating common parameters of growth curve models. *Annals of the Institute of Statistical Mathematics*, 40(1):119–135, March 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053960>.

**Dey:1988:SEE**

- [1467] Dipak K. Dey. Simultaneous estimation of eigenvalues. *Annals of the Institute of Statistical Mathematics*, 40(1):137–147, March 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053961>.

**Anraku:1988:TMP**

- [1468] Kazuo Anraku, Akihiro Nishi, and Takashi Yanagawa. Tests for the marginal probabilities in the two-way contingency table under restricted alternatives. *Annals of the Institute of Statistical Mathematics*, 40(1):149–163, March 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053962>.

**Mielke:1988:CMS**

- [1469] P. W. Mielke, Jr. and Y. C. Yao. A class of multiple sample tests based on empirical coverages. *Annals of the Institute of Statistical*

*Mathematics*, 40(1):165–178, March 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053963>.

**Tsai:1988:SWT**

- [1470] Kao-Tai Tsai and James A. Koziol. Score and Wald tests for the multivariate growth curve model with missing data. *Annals of the Institute of Statistical Mathematics*, 40(1):179–186, March 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053964>.

**Gilliland:1988:EBS**

- [1471] Dennis C. Gilliland and Rohana Karunamuni. On empirical Bayes with sequential component. *Annals of the Institute of Statistical Mathematics*, 40(1):187–193, March 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053965>.

**Mukerjee:1988:KFD**

- [1472] Rahul Mukerjee and Mausumi Sen. Kronecker factorial designs for multiway elimination of heterogeneity. *Annals of the Institute of Statistical Mathematics*, 40(1):195–210, March 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053966>.

**Anonymous:1988:HCa**

- [1473] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 40(1):??, March 1988. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Wada:1988:AAM**

- [1474] Takao Wada, Makoto Jinnouchi, and Yasuo Matsumura. Application of autoregressive modelling for the analysis of clinical and other biological data. *Annals of the Institute of Statistical Mathematics*, 40(2):211–227, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052339>.

**Suzuki:1988:MDT**

- [1475] Naomichi Suzuki and Minoru Biyajima. Multiplicity distributions in a two-component branching process. *Annals of the Institute of Statistical Mathematics*, 40(2):229–246, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052340>.

**Tran:1988:ROS**

- [1476] Lanh Tat Tran. Rank order statistics for time series models. *Annals of the Institute of Statistical Mathematics*, 40(2):247–260, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052341>.

**Ahmad:1988:IFM**

- [1477] Khalaf E. Ahmad. Identifiability of finite mixtures using a new transform. *Annals of the Institute of Statistical Mathematics*, 40(2):261–265, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF00052342>.

**Nair:1988:CBE**

- [1478] K. R. Muraleedharan Nair and N. Unnikrishnan Nair. On characterizing the bivariate exponential and geometric distributions. *Annals of the Institute of Statistical Mathematics*, 40(2):267–271, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052343>.

**Salakbishnan:1988:RRO**

- [1479] N. Salakbishnan. Recurrence relations for order statistics from  $n$  independent and non-identically distributed random variables. *Annals of the Institute of Statistical Mathematics*, 40(2):273–277, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052344>.

**Konishi:1988:AED**

- [1480] Sadanori Konishi, Naoto Niki, and Arjun K. Gupta. Asymptotic expansions for the distribution of quadratic forms in normal variables. *Annals of the Institute of Statistical Mathematics*, 40(2):279–296, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052345>.

**Crowder:1988:AEP**

- [1481] Martin Crowder. Asymptotic expansions of posterior expectations, distributions and densities for stochastic processes. *Annals of the Institute of Statistical Mathematics*, 40(2):297–309,



June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052346>.

**Akahira:1988:SOA**

- [1482] Masaflimi Akahira. Second order asymptotic optimality of estimators for a density with finite cusps. *Annals of the Institute of Statistical Mathematics*, 40(2):311–328, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052347>.

**Sugiura:1988:ELR**

- [1483] Nariaki Sugiura and Yoshihiko Konno. Entropy loss and risk of improved estimators for the generalized variance and precision. *Annals of the Institute of Statistical Mathematics*, 40(2):329–341, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052348>.

**Blough:1988:CEL**

- [1484] David K. Blough. Consistent estimation of location region. *Annals of the Institute of Statistical Mathematics*, 40(2):343–352, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052349>.

**Fraser:1988:GAV**

- [1485] D. A. S. Fraser and P. McDunnough. On generalization of the analysis of variance. *Annals of the Institute of Statistical Mathematics*, 40(2):353–366, June 1988. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052350>.

**Kikuchi:1988:IHI**

- [1486] Yasuki Kikuchi and Takashi Yanagawa. Incorporating historical information in testing for a trend in Poisson means. *Annals of the Institute of Statistical Mathematics*, 40(2):367–379, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052351>.

**Giri:1988:LMT**

- [1487] Narayan C. Giri. Locally minimax tests in symmetrical distributions. *Annals of the Institute of Statistical Mathematics*, 40(2):381–394, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052352>.

**Hara:1988:DMO**

- [1488] Takahiko Hara. Detection of multivariate outliers with location slippage or scale inflation in left orthogonally invariant or elliptically contoured distributions. *Annals of the Institute of Statistical Mathematics*, 40(2):395–406, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052353>.

**Jacroux:1988:MOB**

- [1489] Mike Jacroux and Dexter C. Whittinghill III. On the  $E$ - and  $MV$ -optimality of block designs having  $k \geq v$ . *Annals of the Institute of Statistical Mathematics*, 40(2):407–418, June



1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052354>.

**Anonymous:1988:HCB**

- [1490] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 40(2):??, June 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hagimura:1988:ATS**

- [1491] S. Hagimura, T. Saitoh, and Y. Yagihara. Application of time series analysis and modern control theory to the cement plant. *Annals of the Institute of Statistical Mathematics*, 40(3):419–438, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053056>.

**Janardan:1988:RBM**

- [1492] K. G. Janardan. Relationship between Morisita's model for estimating the environmental density and the generalized Eulerian numbers. *Annals of the Institute of Statistical Mathematics*, 40(3):439–450, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053057>.

**Hirotsu:1988:CEC**

- [1493] C. Hirotsu. A class of estimable contrasts in an age-period-cohort model. *Annals of the Institute of Statistical Mathematics*, 40(3):451–465, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF00053058>.

**Philippou:1988:MDO**

- [1494] Andreas N. Philippou. On multi-parameter distributions of order  $k$ . *Annals of the Institute of Statistical Mathematics*, 40(3):467–475, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053059>.

**Nagao:1988:JSE**

- [1495] Hisao Nagao. On the jackknife statistics for eigenvalues and eigenvectors of a correlation matrix. *Annals of the Institute of Statistical Mathematics*, 40(3):477–489, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053060>.

**Bai:1988:LPO**

- [1496] Z. D. Bai, P. R. Krishnaiah, and Y. G. Yin. Limiting properties of the occurrence/exposure rate and simple risk rate. *Annals of the Institute of Statistical Mathematics*, 40(3):491–505, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053061>.

**Kreiss:1988:SE**

- [1497] Jens Peter Kreiss. On stochastic estimation. *Annals of the Institute of Statistical Mathematics*, 40(3):507–520, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053062>.



[//link.springer.com/article/10.1007/BF00053062](http://link.springer.com/article/10.1007/BF00053062).

**Inagaki:1988:PTE**

- [1498] Nobuo Inagaki. The progressively truncated estimating functions and estimators. *Annals of the Institute of Statistical Mathematics*, 40(3): 521–540, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053063>.

**Huang:1988:ATE**

- [1499] Wei-Min Huang and Wei-Yann Tsai. Asymptotic theorems for estimating the distribution function under random truncation. *Annals of the Institute of Statistical Mathematics*, 40(3): 541–553, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053064>.

**Kubokawa:1988:IUT**

- [1500] Tatsuya Kubokawa. Inadmissibility of the uncombined two-stage estimator when additional samples are available. *Annals of the Institute of Statistical Mathematics*, 40(3):555–563, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053065>.

**Romano:1988:BM**

- [1501] Joseph P. Romano. Bootstrapping the mode. *Annals of the Institute of Statistical Mathematics*, 40(3): 565–586, September 1988. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053066>.

**Sakamoto:1988:BAN**

- [1502] Yosiyuki Sakamoto and Makio Ishiguro. A Bayesian approach to nonparametric test problems. *Annals of the Institute of Statistical Mathematics*, 40(3):587–602, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053067>.

**Eubank:1988:RTT**

- [1503] R. L. Eubank and V. N. LaRiccia. Regression type tests for parametric hypotheses based on optimally selected subsets of the order statistics. *Annals of the Institute of Statistical Mathematics*, 40(3):603–613, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053068>.

**Chen:1988:IFS**

- [1504] Pinyuen Chen. An integrated formulation for selecting the most probable multinomial cell. *Annals of the Institute of Statistical Mathematics*, 40(3): 615–625, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053069>.

**Anonymous:1988:HCc**

- [1505] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 40(3):??, September 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).



**Gil:1988:LID**

- [1506] Maria Angeles Gil. On the loss of information due to fuzziness in experimental observations. *Annals of the Institute of Statistical Mathematics*, 40 (4):627–639, December 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049422>.

**Bohning:1988:MQA**

- [1507] Dankmar Böhning and Bruce G. Lindsay. Monotonicity of quadratic-approximation algorithms. *Annals of the Institute of Statistical Mathematics*, 40(4):641–663, December 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049423>.

**Maehara:1988:TSR**

- [1508] Hiroshi Maehara. A threshold for the size of random caps to cover a sphere. *Annals of the Institute of Statistical Mathematics*, 40(4):665–670, December 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049424>.

**Deheuvels:1988:RBU**

- [1509] P. Deheuvels and D. Pfeifer. On a relationship between Uspensky’s theorem and Poisson approximations. *Annals of the Institute of Statistical Mathematics*, 40(4):671–681, December 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049425>.

**Fu:1988:ERC**

- [1510] James C. Fu and Robert E. Kass. The exponential rates of convergence of posterior distributions. *Annals of the Institute of Statistical Mathematics*, 40 (4):683–691, December 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049426>.

**Sibuya:1988:LCS**

- [1511] Masaaki Sibuya. Log-concavity of Stirling numbers and unimodality of Stirling distributions. *Annals of the Institute of Statistical Mathematics*, 40 (4):693–714, December 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049427>.

**Mussmann:1988:SJI**

- [1512] Dieter Mussmann. Sufficiency and Jensen’s inequality for conditional expectations. *Annals of the Institute of Statistical Mathematics*, 40(4):715–726, December 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049428>.

**Withers:1988:NCI**

- [1513] C. S. Withers. Nonparametric confidence intervals for functions of several distributions. *Annals of the Institute of Statistical Mathematics*, 40 (4):727–746, December 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049429>.



**vanderMerwe:1988:ABE**

- [1514] A. J. van der Merwe, P. C. N. Groenewald, and C. A. van der Merwe. Approximated Bayes and empirical Bayes confidence intervals — the known variance case. *Annals of the Institute of Statistical Mathematics*, 40(4):747–767, December 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049430>.

**Chaturvedi:1988:SPP**

- [1515] Ajit Chaturvedi. On sequential procedures for the point estimation of the mean of a normal population. *Annals of the Institute of Statistical Mathematics*, 40(4):769–783, December 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049431>.

**Hamdy:1988:TSP**

- [1516] H. I. Hamdy, N. Mukhopadhyay, M. C. Costanza, and M. S. Son. Triple stage point estimation for the exponential location parameter. *Annals of the Institute of Statistical Mathematics*, 40(4):785–797, December 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049432>.

**Yoshida:1988:RED**

- [1517] Nakahiro Yoshida. Robust  $M$ -estimators in diffusion processes. *Annals of the Institute of Statistical Mathematics*, 40(4):799–820, December 1988. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049433>.

**Rafajlowicz:1988:OED**

- [1518] Ewaryst Rafajlowicz and Wojciech Myszka. Optimum experimental design for a regression on a hypercube-generalization of Hoel's result. *Annals of the Institute of Statistical Mathematics*, 40(4):821–827, December 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049434>.

**Anonymous:1988:HCd**

- [1519] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 40(4):??, December 1988. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Mallows:1989:ZCP**

- [1520] Colin L. Mallows and Vijayan N. Nair. On a zero-crossing probability. *Annals of the Institute of Statistical Mathematics*, 41(1):1–8, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049104>.

**Itoh:1989:ACI**

- [1521] Yoshiaki Itoh. An application of the convolution inequality for the Fisher information. *Annals of the Institute of Statistical Mathematics*, 41(1):9–12, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049105>.



Johnson:1989:CBC

Dabrowska:1989:REC

- [1522] Norman L. Johnson and Samuel Kotz. Characterization based on conditional distributions. *Annals of the Institute of Statistical Mathematics*, 41(1):13–17, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049106>.
- [1526] Dorota M. Dabrowska, Kjell A. Doksum, and Ryozi Miura. Rank estimates in a class of semiparametric two-sample models. *Annals of the Institute of Statistical Mathematics*, 41(1):63–79, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049110>.
- [1523] Michael Falk. A note on uniform asymptotic normality of intermediate order statistics. *Annals of the Institute of Statistical Mathematics*, 41(1):19–29, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049107>.
- [1527] T. Lwin and J. S. Maritz. Empirical Bayes approach to multiparameter estimation: with special reference to multinomial distribution. *Annals of the Institute of Statistical Mathematics*, 41(1):81–99, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049111>.
- [1524] George Kimeldorf and Allan R. Sampson. A framework for positive dependence. *Annals of the Institute of Statistical Mathematics*, 41(1):31–45, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049108>.
- [1528] G. G. Walter and G. G. Hamedani. Bayes empirical Bayes estimation for discrete exponential families. *Annals of the Institute of Statistical Mathematics*, 41(1):101–119, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049112>.
- [1525] S. Aki and K. Hirano. Estimation of parameters in the discrete distributions of order  $k$ . *Annals of the Institute of Statistical Mathematics*, 41(1):47–61, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049109>.
- [1529] Nitis Mukhopadhyay, Pranab Kumar Sen, and Bikas Kumar Sinha. Stopping rules, permutation invariance and sufficiency principle. *Annals of the Institute of Statistical Mathematics*, 41(1):121–138, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049113>.

Falk:1989:NUA

Lwin:1989:EB A

Kimeldorf:1989:FPD

Walter:1989:BEB

Aki:1989:EPD

Mukhopadhyay:1989:SRP



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049113>.

**Dharmadhikari:1989:ESP**

- [1530] A. D. Dharmadhikari, U. V. Naik-Nimbalkar, and S. Bhyri. Estimation of the scale parameter of a power law process using power law counts. *Annals of the Institute of Statistical Mathematics*, 41(1):139–148, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049114>.

**Lee:1989:TMH**

- [1531] Chu-In Charles Lee, Tim Robertson, and F. T. Wright. On the testing of marginal homogeneity with a one-sided alternative in the analysis of variance. *Annals of the Institute of Statistical Mathematics*, 41(1):149–167, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049115>.

**Isogai:1989:UIF**

- [1532] Takafumi Isogai. On using influence functions for testing multivariate normality. *Annals of the Institute of Statistical Mathematics*, 41(1):169–186, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049116>.

**Taniguchi:1989:NTS**

- [1533] M. Taniguchi, P. R. Krishnaiah, and R. Chao. Normalizing transformations of some statistics of Gaussian ARMA processes. *Annals of the Institute of*

*Statistical Mathematics*, 41(1):187–197, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049117>.

**Brzeskwiniewicz:1989:CPB**

- [1534] Henryk Brzeskwiniewicz. On the connectedness of partially balanced block designs. *Annals of the Institute of Statistical Mathematics*, 41(1):199–204, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049118>.

**Anonymous:1989:HCa**

- [1535] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 41(1):??, March 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Taniguchi:1989:SAD**

- [1536] M. Taniguchi, L. C. Zhao, P. R. Krishnaiah, and Z. D. Bai. Statistical analysis of dyadic stationary processes. *Annals of the Institute of Statistical Mathematics*, 41(2):205–225, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049392>.

**Lo:1989:CBN**

- [1537] Albert Y. Lo and Chung-Sing Weng. On a class of Bayesian nonparametric estimates: II. hazard rate estimates. *Annals of the Institute of Statistical Mathematics*, 41(2):227–245, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049393>.



**Barndorff-Nielsen:1989:AEM**

- [1538] O. E. Barndorff-Nielsen and P. E. Jupp. Approximating exponential models. *Annals of the Institute of Statistical Mathematics*, 41(2):247–267, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049394>.

**Yanagimoto:1989:PSC**

- [1539] Takemi Yanagimoto and Kazuo Anraku. Possible superiority of the conditional MLE over the unconditional MLE. *Annals of the Institute of Statistical Mathematics*, 41(2):269–278, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049395>.

**Hirano:1989:CII**

- [1540] Katuomi Hirano and Kosei Iwase. Conditional information for an inverse Gaussian distribution with known coefficient of variation. *Annals of the Institute of Statistical Mathematics*, 41(2):279–287, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049396>.

**Mitchell:1989:IMS**

- [1541] Ann E. S. Mitchell. The information matrix, skewness tensor and  $\alpha$ -connections for the general multivariate elliptic distribution. *Annals of the Institute of Statistical Mathematics*, 41(2):289–304, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049397>.

[//link.springer.com/article/10.1007/BF00049397](http://link.springer.com/article/10.1007/BF00049397).

**Korwar:1989:NSD**

- [1542] R. M. Korwar. On a new system of discrete distributions and characterizations of several discrete distributions by equality of distributions. *Annals of the Institute of Statistical Mathematics*, 41(2):305–321, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049398>.

**Balakrishnan:1989:RRA**

- [1543] N. Balakrishnan. Recurrence relations among moments of order statistics from two related sets of independent and non-identically distributed random variables. *Annals of the Institute of Statistical Mathematics*, 41(2):323–329, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049399>.

**Shinozaki:1989:ICS**

- [1544] Nobuo Shinozaki. Improved confidence sets for the mean of a multivariate normal distribution. *Annals of the Institute of Statistical Mathematics*, 41(2):331–346, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049400>.

**Hawkins:1989:MAR**

- [1545] D. L. Hawkins and Chien-Pai Han. A minimum average risk approach to shrinkage estimators of the normal mean. *Annals of the Institute of*



*Statistical Mathematics*, 41(2):347–363, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049401>.

**Shao:1989:ADW**

- [1546] Jun Shao. Asymptotic distribution of the weighted least squares estimator. *Annals of the Institute of Statistical Mathematics*, 41(2):365–382, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049402>.

**Cox:1989:SSB**

- [1547] Dennis Cox and Eunmee Koh. A smoothing spline based test of model adequacy in polynomial regression. *Annals of the Institute of Statistical Mathematics*, 41(2):383–400, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049403>.

**Milton:1989:CIS**

- [1548] Roy C. Milton and M. Haseeb Rizvi. On computation of integrals for selection from multivariate normal populations on the basis of distances. *Annals of the Institute of Statistical Mathematics*, 41(2):401–408, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049404>.

**Sinha:1989:CCG**

- [1549] Kishore Sinha and Sanpei Kageyama. Composite construction of group divisible designs. *Annals of the Institute of*

*Statistical Mathematics*, 41(2):409–414, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049405>.

**Anonymous:1989:HCb**

- [1550] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 41(2):??, June 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Pham:1989:AND**

- [1551] Dinh Tuan Pham, Joachim Möcks, and Lothar Sroka. Asymptotic normality of double-indexed linear permutation statistics. *Annals of the Institute of Statistical Mathematics*, 41(3):415–427, September 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050659>.

**Vos:1989:FES**

- [1552] Paul W. Vos. Fundamental equations for statistical submanifolds with applications to the Bartlett correction. *Annals of the Institute of Statistical Mathematics*, 41(3):429–450, September 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050660>.

**Zografos:1989:LPS**

- [1553] K. Zografos, K. Ferentinos, and T. Papaioannou. Limiting properties of some measures of information. *Annals of the Institute of Statistical Mathematics*, 41(3):451–460, September 1989. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050661>.

**Blough:1989:MSP**

- [1554] David K. Blough. Multivariate symmetry via projection pursuit. *Annals of the Institute of Statistical Mathematics*, 41(3):461–475, September 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050662>.

**Kubokawa:1989:CEC**

- [1555] Tatsuya Kubokawa. Closer estimators of a common mean in the sense of Pitman. *Annals of the Institute of Statistical Mathematics*, 41(3):477–484, September 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050663>.

**Akai:1989:SEM**

- [1556] Toyooki Akai. Simultaneous estimation of means of classified normal observations. *Annals of the Institute of Statistical Mathematics*, 41(3):485–502, September 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050664>.

**Yu:1989:MIE**

- [1557] Qiquing Yu. Methodology for the invariant estimation of a continuous distribution function. *Annals of the Institute of Statistical Mathematics*, 41(3):503–520, September 1989. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050665>.

**Martinsek:1989:SER**

- [1558] Adam T. Martinsek. Sequential estimation in regression models using analogues of trimmed means. *Annals of the Institute of Statistical Mathematics*, 41(3):521–540, September 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050666>.

**Zhou:1989:BES**

- [1559] Xian Zhou and S. Rao Jammalamadaka. Bahadur efficiencies of spacings tests for goodness of fit. *Annals of the Institute of Statistical Mathematics*, 41(3):541–553, September 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050667>.

**LeBreton:1989:BLS**

- [1560] Alain Le Breton and Dinh Tuan Pham. On the bias of the least squares estimator for the first order autoregressive process. *Annals of the Institute of Statistical Mathematics*, 41(3):555–563, September 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050668>.

**Moller:1989:RCS**

- [1561] Jesper Møller. On the rate of convergence of spatial birth-and-death processes. *Annals of the Institute of Statistical Mathematics*, 41(3):



565–581, September 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050669>.

**Ogata:1989:LES**

- [1562] Yoshihiko Ogata and Masaharu Tanemura. Likelihood estimation of soft-core interaction potentials for Gibbsian point patterns. *Annals of the Institute of Statistical Mathematics*, 41(3):583–600, September 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050670>.

**Kalbakam:1989:EIS**

- [1563] S. Kalbakam and G. Abivarignan. On exhibiting inventory systems with Erlangian lifetimes under renewal demands. *Annals of the Institute of Statistical Mathematics*, 41(3):601–616, September 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050671>.

**Al-Hussaini:1989:FRI**

- [1564] Essam K. Al-Hussaini and Nagi S. Abd-El-Hakim. Failure rate of the inverse Gaussian–Weibull mixture model. *Annals of the Institute of Statistical Mathematics*, 41(3):617–622, September 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050672>.

**Anonymous:1989:HCc**

- [1565] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 41(3):??, September 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Amari:1989:FIU**

- [1566] Shun ichi Amari. Fisher information under restriction of Shannon information in multi-terminal situations. *Annals of the Institute of Statistical Mathematics*, 41(4):623–648, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00057730>.

**Wu:1989:CAW**

- [1567] Tiee-Jian Wu. Contiguous alternatives which preserve Cramér-type large deviations for a general class of statistics. *Annals of the Institute of Statistical Mathematics*, 41(4):649–660, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00057731>.

**Dallas:1989:SPR**

- [1568] A. C. Dallas. Some properties of record values coming from the geometric distribution. *Annals of the Institute of Statistical Mathematics*, 41(4):661–669, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00057732>.

**Kyriakoussis:1989:CPS**

- [1569] A. Kyriakoussis and H. Papageorgiou. On characterization of power se-



ries distributions by a marginal distribution and a regression function. *Annals of the Institute of Statistical Mathematics*, 41(4):671–676, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00057733>.

**Ramalingam:1989:SCE**

- [1570] T. Ramalingam. Symbolic computing the exact distributions of  $L$ -statistics from a uniform distribution. *Annals of the Institute of Statistical Mathematics*, 41(4):677–681, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00057734>.

**Joe:1989:EEO**

- [1571] Harry Joe. Estimation of entropy and other functionals of a multivariate density. *Annals of the Institute of Statistical Mathematics*, 41(4):683–697, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00057735>.

**Skibinsky:1989:AEB**

- [1572] Morris Skibinsky and Andrew L. Rukhin. Admissible estimators of binomial probability and the inverse Bayes rule map. *Annals of the Institute of Statistical Mathematics*, 41(4):699–716, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00057736>.

**Sarkar:1989:CAS**

- [1573] Nityananda Sarkar. Comparisons among some estimators in misspecified linear models with multicollinearity. *Annals of the Institute of Statistical Mathematics*, 41(4):717–724, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00057737>.

**Akahira:1989:HOA**

- [1574] Masafumi Akahira and Kei Takeuchi. Higher order asymptotics in estimation for two-sided Weibull type distributions. *Annals of the Institute of Statistical Mathematics*, 41(4):725–752, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00057738>.

**Aki:1989:APS**

- [1575] Sigeo Aki and Nobuhisa Kashiwagi. Asymptotic properties of some goodness-of-fit tests based on the  $L_1$ -norm. *Annals of the Institute of Statistical Mathematics*, 41(4):753–764, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00057739>.

**Nakano:1989:TPP**

- [1576] Junji Nakano and Shigemi Tagami. A test for the presence of pure feedback in multivariate dynamic stochastic systems. *Annals of the Institute of Statistical Mathematics*, 41(4):765–779, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00057740>.



**Antoniadis:1989:PMN**

- [1577] Anestis Antoniadis. A penalty method for nonparametric estimation of the intensity function of a counting process. *Annals of the Institute of Statistical Mathematics*, 41(4):781–807, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00057741>.

**Chao:1989:LTC**

- [1578] M. T. Chao and James C. Fu. A limit theorem of certain repairable systems. *Annals of the Institute of Statistical Mathematics*, 41(4):809–818, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00057742>.

**Anonymous:1989:HCd**

- [1579] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 41(4):??, December 1989. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Shaked:1990:BAQ**

- [1580] Moshe Shaked and Nozer D. Singpurwalla. A Bayesian approach for quantile and response probability estimation with applications to reliability. *Annals of the Institute of Statistical Mathematics*, 42(1):1–19, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050775>.

**Chung:1990:CBQ**

- [1581] Chang-Jo F. Chung, Miklós Csörgő, and Lajos Horváth. Confidence bands

for quantile function under random censorship. *Annals of the Institute of Statistical Mathematics*, 42(1):21–36, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050776>.

**Hosoya:1990:IAH**

- [1582] Yuzo Hosoya. Information amount and higher-order efficiency in estimation. *Annals of the Institute of Statistical Mathematics*, 42(1):37–49, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050777>.

**Venter:1990:ETN**

- [1583] J. H. Venter and S. J. Steel. Estimation of two normal means which may be common. *Annals of the Institute of Statistical Mathematics*, 42(1):51–64, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050778>.

**Hwang:1990:MCM**

- [1584] Tea-Yuan Hwang and Chin-Yuan Hu. More comparisons of MLE with UMVUE for exponential families. *Annals of the Institute of Statistical Mathematics*, 42(1):65–75, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050779>.

**Madi:1990:ERS**

- [1585] Mohamed Madi and Kam-Wah Tsui. Estimation of the ratio of the scale parameters of two exponential distri-



butions with unknown location parameters. *Annals of the Institute of Statistical Mathematics*, 42(1):77–87, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050780>.

**Inagaki:1990:PES**

- [1586] Nobuo Inagaki and Toshihabu Hayashi. Parameter estimation for the simple self-correcting point process. *Annals of the Institute of Statistical Mathematics*, 42(1):89–98, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050781>.

**Jerdack:1990:NTR**

- [1587] George R. Jerdack and Pranab Kumar Sen. Nonparametric test of restricted interchangeability. *Annals of the Institute of Statistical Mathematics*, 42(1):99–114, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050782>.

**Wang:1990:SAR**

- [1588] Soujin Wang. Saddlepoint approximations in resampling analysis. *Annals of the Institute of Statistical Mathematics*, 42(1):115–131, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050783>.

**Hosmane:1990:SLR**

- [1589] Balakrishna S. Hosmane. Smoothing of likelihood ratio statistic for

equiprobable multinomial goodness-of-fit. *Annals of the Institute of Statistical Mathematics*, 42(1):133–147, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050784>.

**Chen:1990:NDS**

- [1590] Shande Chen and Govind S. Mudholkar. Null distribution of the sum of squared  $z$ -transforms in testing complete independence. *Annals of the Institute of Statistical Mathematics*, 42(1):149–155, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050785>.

**Pillai:1990:MLF**

- [1591] R. N. Pillai. On Mittag-Leffler functions and related distributions. *Annals of the Institute of Statistical Mathematics*, 42(1):157–161, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050786>.

**Baksalary:1990:PBV**

- [1592] Jerzy K. Baksalary and P. D. Puri. Pairwise-balanced, variance-balanced and resistant incomplete block designs revisited. *Annals of the Institute of Statistical Mathematics*, 42(1):163–171, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050787>.

**Jacroux:1990:SOD**

- [1593] Mike Jacroux. Some optimal designs for comparing a set of test



treatments with a set of controls. *Annals of the Institute of Statistical Mathematics*, 42(1):173–185, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050788>.

**Abaffy:1990:CSD**

- [1594] Jozsef Abaffy and Emilio Spedicato. A class of scaled direct methods for linear systems. *Annals of the Institute of Statistical Mathematics*, 42(1):187–201, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050789>.

**Anonymous:1990:HCa**

- [1595] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 42(1):??, March 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Mase:1990:MCG**

- [1596] Shigeru Mase. Mean characteristics of Gibbsian point processes. *Annals of the Institute of Statistical Mathematics*, 42(2):203–220, June 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050833>.

**Yoshida:1990:ABE**

- [1597] Nakahiro Yoshida. Asymptotic behavior of  $M$ -estimator and related random field for diffusion process. *Annals of the Institute of Statistical Mathematics*, 42(2):221–251, June 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF00050834>.

**Rajarshi:1990:BMS**

- [1598] M. B. Rajarshi. Bootstrap in Markov sequences based on estimates of transition density. *Annals of the Institute of Statistical Mathematics*, 42(2):253–268, June 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050835>.

**Guiasu:1990:CMP**

- [1599] Silviu Guiasu. A classification of the main probability distributions by minimizing the weighted logarithmic measure of deviation. *Annals of the Institute of Statistical Mathematics*, 42(2):269–279, June 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050836>.

**Alzaid:1990:MAS**

- [1600] Abdulhamid A. Alzaid. A moment's approach to some characterization problems. *Annals of the Institute of Statistical Mathematics*, 42(2):281–285, June 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050837>.

**Cline:1990:OKE**

- [1601] Daren B. H. Cline. Optimal kernel estimation of densities. *Annals of the Institute of Statistical Mathematics*, 42(2):287–303, June 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050838>.



**Tran:1990:RKD**

- [1602] Lanh Tat Tran. Recursive kernel density estimators under a weak dependence condition. *Annals of the Institute of Statistical Mathematics*, 42(2):305–329, June 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050839>.

**Kubokawa:1990:ECM**

- [1603] Tatsuya Kubokawa and Yoshihiko Konno. Estimating the covariance matrix and the generalized variance under a symmetric loss. *Annals of the Institute of Statistical Mathematics*, 42(2):331–343, June 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050840>.

**Jureckova:1990:EIE**

- [1604] Jana Jurecková and Pranab Kumar Sen. Effect of the initial estimator on the asymptotic behavior of one-step  $M$ -estimator. *Annals of the Institute of Statistical Mathematics*, 42(2):345–357, June 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050841>.

**Hayakawa:1990:TMD**

- [1605] T. Hayakawa. On tests for the mean direction of the Langevin distribution. *Annals of the Institute of Statistical Mathematics*, 42(2):359–373, June 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050842>.

**Tsai:1990:AER**

- [1606] Ming-Tan M. Tsai and Pranas Kumar Sen. Asymptotically efficient rank MANOVA tests for restricted alternatives in randomized block designs. *Annals of the Institute of Statistical Mathematics*, 42(2):375–385, June 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050843>.

**Chen:1990:CBL**

- [1607] X. Chen. On the convergence of Broyden-like methods for nonlinear equations with nondifferentiable terms. *Annals of the Institute of Statistical Mathematics*, 42(2):387–401, June 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050844>.

**Anonymous:1990:HCb**

- [1608] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 42(2):??, June 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Ogata:1990:MCM**

- [1609] Yoshihiko Ogata. A Monte Carlo method for an objective Bayesian procedure. *Annals of the Institute of Statistical Mathematics*, 42(3):403–433, September 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049299>.



**Bolfarine:1990:BLP**

- [1610] Heleno Bolfarine. Bayesian linear prediction in finite populations. *Annals of the Institute of Statistical Mathematics*, 42(3):435–444, September 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049300>.

**Jensen:1990:SER**

- [1611] E. B. Jensen, K. Ki  u, and H. J. G. Gundersen. On the stereological estimation of reduced moment measures. *Annals of the Institute of Statistical Mathematics*, 42(3):445–461, September 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049301>.

**Frankl:1990:SGA**

- [1612] Peter Frankl and Hiroshi Maehara. Some geometric applications of the beta distribution. *Annals of the Institute of Statistical Mathematics*, 42(3):463–474, September 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049302>.

**Yamazaki:1990:IRS**

- [1613] Genji Yamazaki. Invariance relations in single server queues with LCFS service discipline. *Annals of the Institute of Statistical Mathematics*, 42(3):475–488, September 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049303>.

**Yoshida:1990:REP**

- [1614] Nakahiro Yoshida and Toshiharu Hayashi. On the robust estimation in Poisson processes with periodic intensities. *Annals of the Institute of Statistical Mathematics*, 42(3):489–507, September 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049304>.

**Shaked:1990:PSC**

- [1615] Moshe Shaked and J. George Shanthikumar. Parametric stochastic convexity and concavity of stochastic processes. *Annals of the Institute of Statistical Mathematics*, 42(3):509–531, September 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049305>.

**Fujikoshi:1990:GCM**

- [1616] Y. Fujikoshi, T. Kanda, and N. Tanimura. The growth curve model with an autoregressive covariance structure. *Annals of the Institute of Statistical Mathematics*, 42(3):533–542, September 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049306>.

**Lu:1990:SNC**

- [1617] Jye-Chyl Lu and Gouri K. Bhattacharyya. Some new constructions of bivariate Weibull models. *Annals of the Institute of Statistical Mathematics*, 42(3):543–559, September 1990. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049307>.

**Konishi:1990:III**

- [1618] Sadanori Konishi and C. G. Khatri. Inferences on interclass and intraclass correlations in multivariate familial data. *Annals of the Institute of Statistical Mathematics*, 42(3):561–580, September 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049308>.

**Bansal:1990:TLH**

- [1619] Naveen K. Bansal. Testing linear hypotheses in errors in variables model. *Annals of the Institute of Statistical Mathematics*, 42(3):581–596, September 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049309>.

**Kozłowska:1990:OSR**

- [1620] Maria Kozłowska and Ryszard Walkowiak. E-optimality of some row and column designs. *Annals of the Institute of Statistical Mathematics*, 42(3):597–602, September 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049310>.

**Anonymous:1990:HCC**

- [1621] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 42(3):??, September 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Buhler:1990:HSL**

- [1622] Wolfgang J. Bühler, Prem S. Puri, and Hans-J. Schuh. Hitting straight lines by compound Poisson process paths. *Annals of the Institute of Statistical Mathematics*, 42(4):603–621, December 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481140>.

**Cohen:1990:AEP**

- [1623] Arthur Cohen and Harold B. Sackrowitz. Admissibility of estimators of the probability of unobserved outcomes. *Annals of the Institute of Statistical Mathematics*, 42(4):623–636, December 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481141>. See corrections [1807].

**Karunamuni:1990:EBA**

- [1624] R. J. Karunamuni. On the empirical Bayes approach to multiple decision problems with sequential components. *Annals of the Institute of Statistical Mathematics*, 42(4):637–655, December 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481142>.

**Parsian:1990:AEN**

- [1625] Ahmad Parsian. On the admissibility of an estimator of a normal mean vector under a linex loss function. *Annals of the Institute of Statistical Mathematics*, 42(4):657–669, December 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02481143>.

**Jureckova:1990:ARB**

- [1626] Jana Jurecková and A. H. Welsh. Asymptotic relations between  $L$ - and  $M$ -estimators in the linear model. *Annals of the Institute of Statistical Mathematics*, 42(4):671–698, December 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481144>.

**Isogai:1990:NER**

- [1627] Eiichi Isogai. Nonparametric estimation of a regression function by delta sequences. *Annals of the Institute of Statistical Mathematics*, 42(4):699–708, December 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481145>.

**Leger:1990:BCT**

- [1628] Christian Léger and Joseph P. Romano. Bootstrap choice of tuning parameters. *Annals of the Institute of Statistical Mathematics*, 42(4):709–735, December 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481146>.

**Shao:1990:BEA**

- [1629] Jun Shao. Bootstrap estimation of the asymptotic variances of statistical functionals. *Annals of the Institute of Statistical Mathematics*, 42(4):737–752, December 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481147>.

[//link.springer.com/article/10.1007/BF02481147](http://link.springer.com/article/10.1007/BF02481147).

**Bose:1990:BMA**

- [1630] Arup Bose. Bootstrap in moving average models. *Annals of the Institute of Statistical Mathematics*, 42(4):753–768, December 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481148>.

**Fujikoshi:1990:SRS**

- [1631] Yasunori Fujikoshi and Chinubal G. Khatri. A study of redundancy of some variables in covariate discriminant analysis. *Annals of the Institute of Statistical Mathematics*, 42(4):769–782, December 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481149>.

**Chatterjee:1990:SDS**

- [1632] Kashinath Chatterjee. Search designs for searching for one among the two- and three-factor interaction effects in the general symmetric and asymmetric factorials. *Annals of the Institute of Statistical Mathematics*, 42(4):783–803, December 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481150>.

**Zhang:1990:NSC**

- [1633] Shao Liang Zhang and Yoshio Oyanagi. A necessary and sufficient convergence condition of orthomin( $k$ ) methods for least squares problem with weight.



*Annals of the Institute of Statistical Mathematics*, 42(4):805–811, December 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02481151>.

**Anonymous:1990:HCd**

- [1634] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 42(4):??, December 1990. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Besag:1991:BIR**

- [1635] Julian Besag, Jeremy York, and Annie Mollié. Bayesian image restoration, with two applications in spatial statistics. *Annals of the Institute of Statistical Mathematics*, 43(1):1–20, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00116466>.

**Anonymous:1991:D**

- [1636] Anonymous. Discussion. *Annals of the Institute of Statistical Mathematics*, 43(1):21–45, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00116467>.

**Besag:1991:R**

- [1637] Julian Besag. Rejoinder. *Annals of the Institute of Statistical Mathematics*, 43(1):45–59, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00116468>.

**Stein:1991:KAK**

- [1638] Michael L. Stein. A kernel approximation to the kriging predictor of a spatial process. *Annals of the Institute of Statistical Mathematics*, 43(1):61–75, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00116469>.

**Kashiwagi:1991:BDS**

- [1639] Nobuhisa Kashiwagi. Bayesian detection of structural changes. *Annals of the Institute of Statistical Mathematics*, 43(1):77–93, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00116470>.

**Blaesild:1991:YTD**

- [1640] P. Blæsild. Yokes and tensors derived from yokes. *Annals of the Institute of Statistical Mathematics*, 43(1):95–113, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00116471>.

**Rutherford:1991:EIN**

- [1641] B. Rutherford and S. Yakowitz. Error inference for nonparametric regression. *Annals of the Institute of Statistical Mathematics*, 43(1):115–129, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00116472>.

**Morgenthaler:1991:ITF**

- [1642] Stephan Morgenthaler and Clifford Hurvich. An information-theoretic framework for robustness. *Annals of*



*the Institute of Statistical Mathematics*, 43(1):131–146, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00116473>.

**Withers:1991:CMS**

- [1643] C. S. Withers. A class of multiple shrinkage estimators. *Annals of the Institute of Statistical Mathematics*, 43(1):147–156, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00116474>.

**Konno:1991:NEE**

- [1644] Yoshihiko Konno. A note on estimating eigenvalues of scale matrix of the multivariate  $F$ -distribution. *Annals of the Institute of Statistical Mathematics*, 43(1):157–165, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00116475>.

**From:1991:EMN**

- [1645] Steven G. From. Estimating means from a non-I.I.D. mixture of Poisson samples. *Annals of the Institute of Statistical Mathematics*, 43(1):167–179, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00116476>.

**Akahira:1991:OAE**

- [1646] Masafumi Akahira. The 3/2th and 2nd order asymptotic efficiency of maximum probability estimators in non-regular cases. *Annals of the Institute of*

*Statistical Mathematics*, 43(1):181–195, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00116477>.

**Charalambides:1991:GED**

- [1647] Ch. A. Charalambides. On a generalized Eulerian distribution. *Annals of the Institute of Statistical Mathematics*, 43(1):197–206, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00116478>.

**Anonymous:1991:HCa**

- [1648] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 43(1):??, March 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Imoto:1991:ABA**

- [1649] Masajiro Imoto. An application of Bayesian (ABIC) smoothing methods to estimating space and time variations in the magnitude distributions of earthquakes. *Annals of the Institute of Statistical Mathematics*, 43(2):207–225, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00118632>.

**Bansal:1991:BEN**

- [1650] N. K. Bansal and M. Bhandary. Bayes estimation of number of signals. *Annals of the Institute of Statistical Mathematics*, 43(2):227–243, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00118633>.



**Eguchi:1991:GLN**

- [1651] Shinto Eguchi. A geometric look at nuisance parameter effect of local powers in testing hypothesis. *Annals of the Institute of Statistical Mathematics*, 43(2):245–260, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00118634>.

**Sibuya:1991:BTI**

- [1652] Masaaki Sibuya. Bonferroni-type inequalities; Chebyshev-type inequalities for the distributions on  $[0, n]$ . *Annals of the Institute of Statistical Mathematics*, 43(2):261–285, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00118635>.

**Korwar:1991:CDM**

- [1653] R. M. Korwar. On characterizations of distributions by mean absolute deviation and variance bounds. *Annals of the Institute of Statistical Mathematics*, 43(2):287–295, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00118636>.

**Akahira:1991:BME**

- [1654] Masafumi Akahira and Kei Takeuchi. Bootstrap method and empirical process. *Annals of the Institute of Statistical Mathematics*, 43(2):297–310, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00118637>.

**Pawlak:1991:AEP**

- [1655] Mirosław Pawlak. On the almost everywhere properties of the kernel regression estimate. *Annals of the Institute of Statistical Mathematics*, 43(2):311–326, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00118638>.

**Karunamuni:1991:OCP**

- [1656] R. J. Karunamuni and K. L. Mehra. Optimal convergence properties of kernel density estimators without differentiability conditions. *Annals of the Institute of Statistical Mathematics*, 43(2):327–346, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00118639>.

**Kaur:1991:EOM**

- [1657] Amarjot Kaur and Harshinder Singh. On the estimation of ordered means of two exponential populations. *Annals of the Institute of Statistical Mathematics*, 43(2):347–356, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00118640>.

**Ahmad:1991:ECM**

- [1658] Manzoor Ahmad, Y. P. Chaubey, and B. K. Sinha. Estimation of a common mean of several univariate inverse Gaussian populations. *Annals of the Institute of Statistical Mathematics*, 43(2):357–367, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00118641>.



//link.springer.com/article/10.1007/BF00118641.

**Sarkar:1991:STI**

- [1659] Sanat K. Sarkar. Stein-type improvements of confidence intervals for the generalized variance. *Annals of the Institute of Statistical Mathematics*, 43(2):369–375, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00118642>.

**Jacroux:1991:DCO**

- [1660] Mike Jacroux and Rita Saha Ray. On the determination and construction of optimal row-column designs having unequal row and column sizes. *Annals of the Institute of Statistical Mathematics*, 43(2):377–390, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00118643>.

**Habibullah:1991:MSD**

- [1661] Mohamed Habibullah and S. K. Katti. A modified steepest descent method with applications to maximizing likelihood functions. *Annals of the Institute of Statistical Mathematics*, 43(2):391–404, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00118644>.

**Anonymous:1991:HCb**

- [1662] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 43(2):??, June 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Anonymous:1991:A**

- [1663] Anonymous. Announcement. *Annals of the Institute of Statistical Mathematics*, 43(3):405, September 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF00053363>.

**Takanami:1991:EAT**

- [1664] Tetsuo Takanami and Genshiro Kitagawa. Estimation of the arrival times of seismic waves by multivariate time series model. *Annals of the Institute of Statistical Mathematics*, 43(3):407–433, September 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053364>.

**Kishino:1991:DHE**

- [1665] Hirohisa Kishino, Hidehiro Kato, Fujio Kasamatsu, and Yoshihiro Fujise. Detection of heterogeneity and estimation of population characteristics from the field survey data: 1987/88 Japanese feasibility study of the southern hemisphere Minke whales. *Annals of the Institute of Statistical Mathematics*, 43(3):435–453, September 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053365>.

**Jensen:1991:RDS**

- [1666] Eva B. Vedel Jensen. Recent developments in the stereological analysis of particles. *Annals of the Institute of Statistical Mathematics*, 43(3):455–468, September 1991. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053366>.

**Higuchi:1991:FDC**

- [1667] T. Higuchi. Frequency domain characteristics of linear operator to decompose a time series into the multi-components. *Annals of the Institute of Statistical Mathematics*, 43(3):469–492, September 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053367>.

**Abraham:1991:NTS**

- [1668] Bovas Abraham and A. Thavaneswaran. A nonlinear time series model and estimation of missing observations. *Annals of the Institute of Statistical Mathematics*, 43(3):493–504, September 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053368>.

**Findley:1991:CPB**

- [1669] David F. Findley. Counterexamples to parsimony and BIC. *Annals of the Institute of Statistical Mathematics*, 43(3):505–514, September 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053369>.

**Vos:1991:GD**

- [1670] Paul W. Vos. Geometry of  $f$ -divergence. *Annals of the Institute of Statistical Mathematics*, 43(3):515–537, September 1991. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053370>.

**Yanagimoto:1991:CEP**

- [1671] Takemi Yanagimoto and Eiji Yamamoto. Constructing elementary procedures for inference of the gamma distribution. *Annals of the Institute of Statistical Mathematics*, 43(3):539–550, September 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053371>.

**Baringhaus:1991:CCT**

- [1672] Ludwig Baringhaus and Norbert Henze. A class of consistent tests for exponentiality based on the empirical Laplace transform. *Annals of the Institute of Statistical Mathematics*, 43(3):551–564, September 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053372>.

**Höglund:1991:BSS**

- [1673] Thomas Höglund. Bounds for the sample size to justify normal approximation of the confidence level. *Annals of the Institute of Statistical Mathematics*, 43(3):565–578, September 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053373>.

**Phadia:1991:MAP**

- [1674] E. G. Phadia and Qiqing Yu. Minimaxity and admissibility of the product limit estimator. *Annals of the Institute of Statistical Mathematics*, 43



- (3):579–596, September 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053374>.
- Galantai:1991:AEP**
- [1675] A. Galantai. Analysis of error propagation in the ABS class for linear systems. *Annals of the Institute of Statistical Mathematics*, 43(3):597–603, September 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053375>.
- Anonymous:1991:ADS**
- [1676] Anonymous. AISM data 43-3-01 seismograms of foreshocks of 1982 Urakawa-oki earthquake. *Annals of the Institute of Statistical Mathematics*, 43(3):605–606, September 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF00053376>.
- Anonymous:1991:HCc**
- [1677] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 43(3):??, September 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).
- Shohoji:1991:PIG**
- [1678] Takao Shohoji, Kouji Kanefuji, Takahiro Sumiya, and Tao Qin. A prediction of individual growth of height according to an empirical Bayesian approach. *Annals of the Institute of Statistical Mathematics*, 43(4):607–619, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00121642>.
- Xu:1991:DGS**
- [1679] Daming Xu. Differential geometrical structures related to forecasting error variance ratios. *Annals of the Institute of Statistical Mathematics*, 43(4):621–646, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00121643>.
- Wang:1991:DSS**
- [1680] P. C. Wang. Diagnostics and score statistics in regression. *Annals of the Institute of Statistical Mathematics*, 43(4):647–656, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00121644>.
- Iwasa:1991:AUT**
- [1681] Manabu Iwasa. Admissibility of unbiased tests for a composite hypothesis with a restricted alternative. *Annals of the Institute of Statistical Mathematics*, 43(4):657–665, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00121645>.
- Shi:1991:LB**
- [1682] Sheng G. Shi. Local bootstrap. *Annals of the Institute of Statistical Mathematics*, 43(4):667–676, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00121646>.



**Kubokawa:1991:REC**

- [1683] T. Kubokawa, C. Robert, and A. K. Md. E. Saleh. Robust estimation of common regression coefficients under spherical symmetry. *Annals of the Institute of Statistical Mathematics*, 43(4):677–688, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00121647>.

**Bhandapy:1991:RED**

- [1684] Madhusudan Bhandapy. Robust  $M$ -estimation of a dispersion matrix with a structure. *Annals of the Institute of Statistical Mathematics*, 43(4):689–705, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00121648>.

**Lee:1991:JVE**

- [1685] Youngjo Lee. Jackknife variance estimators of the location estimator in the one-way random-effects model. *Annals of the Institute of Statistical Mathematics*, 43(4):707–714, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00121649>.

**Shiraishi:1991:SIB**

- [1686] Taka aki Shiraishi. Statistical inference based on aligned ranks for two-way MANOVA with interaction. *Annals of the Institute of Statistical Mathematics*, 43(4):715–734, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF00121650>.

**Yanagimoto:1991:EMT**

- [1687] Takemi Yanagimoto. Estimating a model through the conditional MLE. *Annals of the Institute of Statistical Mathematics*, 43(4):735–746, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00121651>.

**Ghorai:1991:ESQ**

- [1688] J. K. Ghorai. Estimation of a smooth quantile function under the proportional hazards model. *Annals of the Institute of Statistical Mathematics*, 43(4):747–760, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00121652>.

**Krishnamoorthy:1991:ECM**

- [1689] K. Krishnamoorthy. Estimation of a common multivariate normal mean vector. *Annals of the Institute of Statistical Mathematics*, 43(4):761–771, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00121653>.

**Saran:1991:SJL**

- [1690] Jagdish Saran. On some joint laws in fluctuations of sums of random variables. *Annals of the Institute of Statistical Mathematics*, 43(4):773–791, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00121654>.



**Nguyen:1991:NCM**

- [1691] Truc T. Nguyen and Allan R. Sampson. A note on characterizations of multivariate stable distributions. *Annals of the Institute of Statistical Mathematics*, 43(4):793–801, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00121655>.

**Anonymous:1991:HCd**

- [1692] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 43(4):??, December 1991. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Musmeci:1992:STC**

- [1693] F. Musmeci and D. Vere-Jones. A space-time clustering model for historical earthquakes. *Annals of the Institute of Statistical Mathematics*, 44(1):1–11, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048666>.

**Thomson:1992:SEU**

- [1694] P. J. Thomson. Signal estimation using stochastic velocity models and irregular arrays. *Annals of the Institute of Statistical Mathematics*, 44(1):13–25, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048667>.

**Zimmerman:1992:MSP**

- [1695] Dale L. Zimmerman and Noel Cressie. Mean squared prediction error in the spatial linear model with estimated covariance parameters. *Annals of the*

*Institute of Statistical Mathematics*, 44(1):27–43, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048668>.

**Picard:1992:SMR**

- [1696] Dominique B. Picard. Statistical morphisms and related invariance properties. *Annals of the Institute of Statistical Mathematics*, 44(1):45–61, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048669>.

**Mora:1992:GED**

- [1697] Marianne Mora. Geometrical expansions for the distributions of the score vector and the maximum likelihood estimator. *Annals of the Institute of Statistical Mathematics*, 44(1):63–83, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048670>.

**Tolley:1992:LSP**

- [1698] H. Dennis Tolley and Kenneth G. Manton. Large sample properties of estimates of a discrete grade of membership model. *Annals of the Institute of Statistical Mathematics*, 44(1):85–95, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048671>.

**Mathal:1992:FMG**

- [1699] A. M. Mathal and P. G. Moschopoulos. A form of multivariate gamma distribution. *Annals of the Institute of*



*Statistical Mathematics*, 44(1):97–106, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048672>.

**Lee:1992:LCF**

- [1700] Chu-In Charles Lee. On Laplace continued fraction for the normal integral. *Annals of the Institute of Statistical Mathematics*, 44(1):107–120, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048673>.

**Kanagawa:1992:LTM**

- [1701] S. Kanagawa, Y. Mochizuki, and H. Tanaka. Limit theorems for the minimum interpoint distance between any pair of i.i.d. random points in  $R^d$ . *Annals of the Institute of Statistical Mathematics*, 44(1):121–131, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048674>.

**Liang:1992:MEB**

- [1702] TaChen Liang and S. Panchapakesan. On a monotone empirical Bayes test procedure in geometric model. *Annals of the Institute of Statistical Mathematics*, 44(1):133–140, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048675>.

**Nomakuchi:1992:NUM**

- [1703] Kentaro Nomakuchi. A note on the uniformly most powerful tests in the presence of nuisance parameters.

*Annals of the Institute of Statistical Mathematics*, 44(1):141–145, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048676>.

**Watamori:1992:TGL**

- [1704] Yoko Watamori. Tests for a given linear structure of the mean direction of the Langevin distribution. *Annals of the Institute of Statistical Mathematics*, 44(1):147–156, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048677>.

**Chaturvedi:1992:FWC**

- [1705] Ajit Chaturvedi, N. D. Shukla, and Pramod S. Shukla. Fixed-width confidence intervals for contrasts in the means. *Annals of the Institute of Statistical Mathematics*, 44(1):157–167, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048678>.

**English:1992:ICE**

- [1706] Brian J. English, Raphael Gillett, and Michael J. Phillips. Inequalities concerning the expected selection differentials. *Annals of the Institute of Statistical Mathematics*, 44(1):169–175, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048679>.

**Balakrishnan:1992:GRI**

- [1707] N. Balakrishnan, S. M. Bendre, and H. J. Malik. General relations and



identities for order statistics from non-independent non-identical variables. *Annals of the Institute of Statistical Mathematics*, 44(1):177–183, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048680>.

**Shirakura:1992:SSD**

- [1708] Teruhiro Shirakura and Shinsei Tazawa. A series of search designs for  $2^m$  factorial designs of resolution  $V$  which permit search of one or two unknown extra three-factor interactions. *Annals of the Institute of Statistical Mathematics*, 44(1):185–196, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048681>.

**Bohning:1992:MLR**

- [1709] Dankmar Böhning. Multinomial logistic regression algorithm. *Annals of the Institute of Statistical Mathematics*, 44(1):197–200, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00048682>.

**Anonymous:1992:HCa**

- [1710] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 44(1):??, March 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**vanderMerwe:1992:BIN**

- [1711] A. J. van der Merwe, C. A. van der Merwe, and P. C. N. Groenewald. Bayesian inferences on nonlinear func-

tions of the parameters in linear regression. *Annals of the Institute of Statistical Mathematics*, 44(2):201–211, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00058636>.

**Ramanathan:1992:OER**

- [1712] T. V. Ramanathan and M. B. Rajarshi. Optimal estimation in random coefficient regression models. *Annals of the Institute of Statistical Mathematics*, 44(2):213–227, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00058637>.

**Bischoff:1992:EOD**

- [1713] Wolfgang Bischoff. On exact  $D$ -optimal designs for regression models with correlated observations. *Annals of the Institute of Statistical Mathematics*, 44(2):229–238, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00058638>.

**Kumon:1992:INM**

- [1714] Masayuki Kumon. Identification of non-minimum phase transfer function using higher-order spectrum. *Annals of the Institute of Statistical Mathematics*, 44(2):239–260, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00058639>.

**Vos:1992:MDE**

- [1715] Paul W. Vos. Minimum  $f$ -divergence estimators and quasi-likelihood func-



tions. *Annals of the Institute of Statistical Mathematics*, 44(2):261–279, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00058640>.

**Venter:1992:SCS**

- [1716] J. H. Venter and S. J. Steel. Some contributions to selection and estimation in the normal linear model. *Annals of the Institute of Statistical Mathematics*, 44(2):281–297, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00058641>.

**Rukhin:1992:ARB**

- [1717] Andrew L. Rukhin. Asymptotic risk behavior of mean vector and variance estimators and the problem of positive normal mean. *Annals of the Institute of Statistical Mathematics*, 44(2):299–311, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00058642>.

**Tsukahara:1992:RET**

- [1718] Hideatsu Tsukahara. A rank estimator in the two-sample transformation model with randomly censored data. *Annals of the Institute of Statistical Mathematics*, 44(2):313–333, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00058643>.

**Albers:1992:AET**

- [1719] Willem Albers. Asymptotic expansions for two-stage rank tests.

*Annals of the Institute of Statistical Mathematics*, 44(2):335–356, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00058644>.

**Giri:1992:OTE**

- [1720] N. Giri. On an optimum test of the equality of two covariance matrices. *Annals of the Institute of Statistical Mathematics*, 44(2):357–362, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00058645>.

**Aki:1992:WTP**

- [1721] Sigeo Aki. Waiting time problems for a sequence of discrete random variables. *Annals of the Institute of Statistical Mathematics*, 44(2):363–378, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00058646>.

**Deng:1992:SCU**

- [1722] Lih-Yuan Deng and E. Olusegun George. Some characterizations of the uniform distribution with applications to random number generation. *Annals of the Institute of Statistical Mathematics*, 44(2):379–385, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00058647>.

**Babu:1992:ESI**

- [1723] Gutti Jogesh Babu and C. Radhakrishna Rao. Expansions for statistics involving the mean absolute deviations. *Annals of the Institute of*



*Statistical Mathematics*, 44(2):387–403, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00058648>.

**Anonymous:1992:HCB**

- [1724] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 44(2):??, June 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Crowder:1992:BPB**

- [1725] Martin Crowder. Bayesian priors based on a parameter transformation using the distribution function. *Annals of the Institute of Statistical Mathematics*, 44(3):405–416, September 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050695>.

**Eaves:1992:PME**

- [1726] D. M. Eaves and T. Chang. Posterior mode estimation for the generalized linear model. *Annals of the Institute of Statistical Mathematics*, 44(3):417–434, September 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050696>.

**Singh:1992:EBR**

- [1727] R. S. Singh and Laisheng Wei. Empirical Bayes with rates and best rates of convergence in  $u(x)C(\theta)\exp(-x/\theta)$ -family: Estimation case. *Annals of the Institute of Statistical Mathematics*, 44(3):435–449, September 1992. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050697>.

**Gil:1992:SFR**

- [1728] María Angeles Gil. Sufficiency and fuzziness in random experiments. *Annals of the Institute of Statistical Mathematics*, 44(3):451–462, September 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050698>.

**Ebrahimi:1992:ITF**

- [1729] Nader Ebrahimi. Information theory and the failure time of a system. *Annals of the Institute of Statistical Mathematics*, 44(3):463–477, September 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050699>.

**Mase:1992:ABP**

- [1730] Shigeru Mase. Approximations to the birthday problem with unequal occurrence probabilities and their application to the surname problem in Japan. *Annals of the Institute of Statistical Mathematics*, 44(3):479–499, September 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050700>.

**Fang:1992:FDS**

- [1731] Z. Fang and H. Joe. Further developments on some dependence orderings for continuous bivariate distributions. *Annals of the Institute of Statistical Mathematics*, 44(3):501–517, September 1992. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050701>.

**Kanda:1992:MPG**

- [1732] T. Kanda. MSE's of prediction in growth curve model with covariance structures. *Annals of the Institute of Statistical Mathematics*, 44(3): 519–528, September 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050702>.

**Sato:1992:ICR**

- [1733] Tosiya Sato. On inconsistency of the common rate difference estimators from sparse follow-up data. *Annals of the Institute of Statistical Mathematics*, 44(3):529–535, September 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050703>.

**Tan:1992:MEL**

- [1734] M. Tan and L. J. Gleser. Minimax estimators for location vectors in elliptical distributions with unknown scale parameter and its application to variance reduction in simulation. *Annals of the Institute of Statistical Mathematics*, 44(3):537–550, September 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050704>.

**Vellaisamy:1992:AWS**

- [1735] P. Vellaisamy. Average worth and simultaneous estimation of the selected subset. *Annals of the Institute of Statistical Mathematics*, 44(3):

551–562, September 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050705>.

**Ghosh:1992:OBK**

- [1736] B. K. Ghosh and Wei-Min Huang. Optimum bandwidths and kernels for estimating certain discontinuous densities. *Annals of the Institute of Statistical Mathematics*, 44(3):563–577, September 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050706>.

**Shirahata:1992:ISE**

- [1737] Shingo Shirahata and In-Sun Chu. Integrated squared error of kernel-type estimator of distribution function. *Annals of the Institute of Statistical Mathematics*, 44(3):579–591, September 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050707>.

**Ghosh:1992:ECB**

- [1738] Subir Ghosh, Sanpei Kageyama, and Rahul Mukerjee. Efficiency of connected binary block designs when a single observation is unavailable. *Annals of the Institute of Statistical Mathematics*, 44(3):593–603, September 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050708>.

**Anonymous:1992:HCc**

- [1739] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 44(3):??, September 1992. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Papastavridis:1992:CSM**

- [1740] Stavros G. Papastavridis and Markos V. Koutras. Consecutive  $k$ -out-of- $n$  systems with maintenance. *Annals of the Institute of Statistical Mathematics*, 44(4):605–612, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053392>.

**Chen:1992:TSP**

- [1741] Pinyuen Chen. Truncated selection procedures for the most probable event and the least probable event. *Annals of the Institute of Statistical Mathematics*, 44(4):613–622, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053393>.

**Bar-Lev:1992:BIP**

- [1742] Shaul K. Bar-Lev, Idit Lavi, and Benjamin Reiser. Bayesian inference for the power law process. *Annals of the Institute of Statistical Mathematics*, 44(4):623–639, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053394>.

**Maritz:1992:APE**

- [1743] J. S. Maritz and T. Lwin. Assessing the performance of empirical Bayes estimators. *Annals of the Institute of Statistical Mathematics*, 44(4):641–657, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF00053395>.

**Draper:1992:TBV**

- [1744] Norman R. Draper and Irwin Guttman. Treating bias as variance for experimental design purposes. *Annals of the Institute of Statistical Mathematics*, 44(4):659–671, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053396>.

**Shao:1992:JGL**

- [1745] Jun Shao. Jackknifing in generalized linear models. *Annals of the Institute of Statistical Mathematics*, 44(4):673–686, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053397>.

**Shao:1992:OSJ**

- [1746] Jun Shao. One-step jackknife for  $M$ -estimators computed using Newton's method. *Annals of the Institute of Statistical Mathematics*, 44(4):687–701, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053398>.

**Babu:1992:SHS**

- [1747] Gutti Jogesh Babu. Subsample and half-sample methods. *Annals of the Institute of Statistical Mathematics*, 44(4):703–720, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053399>.



**Jones:1992:EDQ**

- [1748] M. C. Jones. Estimating densities, quantiles, quantile densities and density quantiles. *Annals of the Institute of Statistical Mathematics*, 44(4):721–727, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053400>.

**Yu:1992:MIE**

- [1749] Qiqing Yu. Minimax invariant estimator of a continuous distribution function. *Annals of the Institute of Statistical Mathematics*, 44(4):729–735, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053401>.

**Gajek:1992:UBR**

- [1750] L. Gajek and M. Kaluszka. Upper bounds for the  $L_1$ -risk of the minimum  $L_1$ -distance regression estimator. *Annals of the Institute of Statistical Mathematics*, 44(4):737–744, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053402>.

**Akritis:1992:SAS**

- [1751] Michael G. Akritis and Richard A. Johnson. Symmetrized approximate score rank tests for the two-sample case. *Annals of the Institute of Statistical Mathematics*, 44(4):745–753, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053403>.

**Allaire:1992:PAV**

- [1752] Jérôme Allaire and Yves Lepage. A procedure for assessing vector correlations. *Annals of the Institute of Statistical Mathematics*, 44(4):755–768, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053404>.

**Mathai:1992:BFN**

- [1753] A. M. Mathai. On bilinear forms in normal variables. *Annals of the Institute of Statistical Mathematics*, 44(4):769–779, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053405>.

**Bowman:1992:SEE**

- [1754] K. O. Bowman and L. R. Shenton. Some exact expressions for the mean and higher moments of functions of sample moments. *Annals of the Institute of Statistical Mathematics*, 44(4):781–798, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00053406>.

**Anonymous:1992:CSC**

- [1755] Anonymous. Corrections to “Speed of convergence in nonparametric kernel estimation of a regression function and its derivatives”. *Annals of the Institute of Statistical Mathematics*, 44(4):799, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/>



article/10.1007/BF00053407. See [1290].

**Anonymous:1992:HCd**

- [1756] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 44(4):??, December 1992. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Anonymous:1993:Aa**

- [1757] Anonymous. Acknowledgment. *Annals of the Institute of Statistical Mathematics*, 45(1):i–iii, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF00773679>.

**Sigman:1993:HLT**

- [1758] Karl Sigman and Genji Yamazaki. Heavy and light traffic in fluid models with burst arrivals. *Annals of the Institute of Statistical Mathematics*, 45(1):1–7, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773664>.

**Ebrahimi:1993:ESR**

- [1759] Nader Ebrahimi and T. Ramalingam. Estimation of system reliability in Brownian stress-strength models based on sample paths. *Annals of the Institute of Statistical Mathematics*, 45(1):9–19, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773665>.

**Kashiwagi:1993:UKF**

- [1760] Nobuhisa Kashiwagi. On use of the Kalman filter for spatial smoothing. *Annals of the Institute of Statistical Mathematics*, 45(1):21–34, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773666>.

**Speed:1993:MSP**

- [1761] T. P. Speed and Bin Yu. Model selection and prediction: Normal regression. *Annals of the Institute of Statistical Mathematics*, 45(1):35–54, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773667>.

**Mantel:1993:EFC**

- [1762] H. J. Mantel and V. P. Godambe. Estimating functions for conditional inference: Many nuisance parameter case. *Annals of the Institute of Statistical Mathematics*, 45(1):55–67, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773668>.

**Hall:1993:EE**

- [1763] Peter Hall and Sally C. Morton. On the estimation of entropy. *Annals of the Institute of Statistical Mathematics*, 45(1):69–88, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773669>.



**Magdalinos:1993:AML**

- [1764] Michael A. Magdalinos. Approximate maximum likelihood estimation in linear regression. *Annals of the Institute of Statistical Mathematics*, 45(1):89–104, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773670>.

**Zhang:1993:EPE**

- [1765] Ping Zhang. On the estimation of prediction errors in linear regression models. *Annals of the Institute of Statistical Mathematics*, 45(1):105–111, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773671>.

**Ouyang:1993:GRE**

- [1766] Z. Ouyang, J. N. Srivastava, and H. T. Schreuder. A general ratio estimator and its application in model based inference. *Annals of the Institute of Statistical Mathematics*, 45(1):113–127, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773672>.

**Gokhale:1993:MDI**

- [1767] D. V. Gokhale, Koichi Inada, and Hea-Jung Kim. A minimum discrimination information estimator of preliminary conjectured normal variance. *Annals of the Institute of Statistical Mathematics*, 45(1):129–136, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773673>.

**Sengupta:1993:OTN**

- [1768] Ashis Sengupta and Chandranath Pal. Optimal tests for no contamination in symmetric multivariate normal mixtures. *Annals of the Institute of Statistical Mathematics*, 45(1):137–146, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773674>.

**Fujioka:1993:ATC**

- [1769] Teruo Fujioka. An approximate test for common principal component subspaces in two groups. *Annals of the Institute of Statistical Mathematics*, 45(1):147–158, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773675>.

**Silvapulle:1993:RTG**

- [1770] Mervyn J. Silvapulle and Pranab K. Sen. Robust tests in group sequential analysis: One- and two-sided hypotheses in the linear model. *Annals of the Institute of Statistical Mathematics*, 45(1):159–171, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773676>.

**Nishii:1993:CGC**

- [1771] Ryuei Nishii. Convergence of the Gram–Charlier expansion after the normalizing Box–Cox transformation. *Annals of the Institute of Statistical Mathematics*, 45(1):173–186, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF00773677>.

**Sivaganesan:1993:RPP**

- [1772] S. Sivaganesan. Range of the posterior probability of an interval for priors with unimodality preserving contaminations. *Annals of the Institute of Statistical Mathematics*, 45(1):187–199, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773678>.

**Anonymous:1993:HCa**

- [1773] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 45(1):??, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Charalambides:1993:GMM**

- [1774] Ch. A. Charalambides and M. V. Koutras. On a generalization of Morisita's model for estimating the habitat preference. *Annals of the Institute of Statistical Mathematics*, 45(2):201–210, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775807>.

**Stoyan:1993:EVE**

- [1775] D. Stoyan, U. Bertram, and H. Wendrock. Estimation variances for estimators of product densities and pair correlation functions of planar point processes. *Annals of the Institute of Statistical Mathematics*, 45(2):211–221, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775808>.

**Alzaid:1993:SAM**

- [1776] A. A. Alzaid and M. A. Al-Osh. Some autoregressive moving average processes with generalized Poisson marginal distributions. *Annals of the Institute of Statistical Mathematics*, 45(2):223–232, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775809>.

**Swanepoel:1993:ANI**

- [1777] J. W. H. Swanepoel. The asymptotic normality of an intermediate order statistic of the ranges of subsamples. *Annals of the Institute of Statistical Mathematics*, 45(2):233–242, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775810>.

**Balakrishnan:1993:RBM**

- [1778] N. Balakrishnan, Z. Govindarajulu, and K. Balasubramanian. Relationships between moments of two related sets of order statistics and some extensions. *Annals of the Institute of Statistical Mathematics*, 45(2):243–247, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775811>.

**Gurler:1993:NEH**

- [1779] Ülkü Gürler and Jane-Ling Wang. Non-parametric estimation of hazard functions and their derivatives under truncation model. *Annals of the Institute of Statistical Mathematics*, 45(2):249–264, 1993. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775812>.

**Shiraishi:1993:SPB**

- [1780] Taka aki Shiraishi. Statistical procedures based on signed ranks in  $k$  samples with unequal variances. *Annals of the Institute of Statistical Mathematics*, 45(2):265–278, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775813>.

**Singh:1993:LPS**

- [1781] Bahadur Singh and F. T. Wright. The level probabilities for a simple loop ordering. *Annals of the Institute of Statistical Mathematics*, 45(2):279–292, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775814>.

**Ghosh:1993:FVH**

- [1782] J. K. Ghosh and Rahul Mukerjee. Frequentist validity of highest posterior density regions in the multi-parameter case. *Annals of the Institute of Statistical Mathematics*, 45(2):293–302, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775815>. See corrections [1808].

**Consonni:1993:UBE**

- [1783] Guido Consonni and Piero Veronese. Unbiased Bayes estimates and improper priors. *Annals of the Institute of Statistical Mathematics*, 45(2):303–315,

??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775816>.

**Janas:1993:SBE**

- [1784] Daniel Janas. A smoothed bootstrap estimator for a Studentized sample quantile. *Annals of the Institute of Statistical Mathematics*, 45(2):317–329, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775817>.

**Pham:1993:BCP**

- [1785] Tuan D. Pham and Hung T. Nguyen. Bootstrapping the change-point of a hazard rate. *Annals of the Institute of Statistical Mathematics*, 45(2):331–340, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775818>.

**Kallenberg:1993:IME**

- [1786] W. C. M. Kallenberg. Interpretation and manipulation of Edgeworth expansions. *Annals of the Institute of Statistical Mathematics*, 45(2):341–351, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775819>.

**Jensen:1993:NAE**

- [1787] J. L. Jensen. A note on asymptotic expansions for sums over a weakly dependent random field with application to the Poisson and Strauss processes. *Annals of the Institute of Statistical Mathematics*, 45(2):353–360, ??? 1993. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775820>.

**Fujita:1993:GRP**

- [1788] Yasuhiro Fujita. A generalization of the results of Pillai. *Annals of the Institute of Statistical Mathematics*, 45(2):361–365, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775821>.

**Milne:1993:GMH**

- [1789] R. K. Milne and M. Westcott. Generalized multivariate Hermite distributions and related point processes. *Annals of the Institute of Statistical Mathematics*, 45(2):367–381, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775822>.

**Alam:1993:RDD**

- [1790] Khursheed Alam and Calvin L. Williams. Relative difference in diversity between populations. *Annals of the Institute of Statistical Mathematics*, 45(2):383–399, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00775823>.

**Anonymous:1993:HCB**

- [1791] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 45(2):??, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Yafune:1993:BAL**

- [1792] Akifumi Yafune, Toshiki Matsubara, and Makio Ishiguro. Bayesian analysis of lymphatic spreading patterns in cancer of the thoracic esophagus. *Annals of the Institute of Statistical Mathematics*, 45(3):401–418, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773343>.

**Saito:1993:SSD**

- [1793] Yoshihiro Saito and Taketomo Mitsui. Simulation of stochastic differential equations. *Annals of the Institute of Statistical Mathematics*, 45(3):419–432, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773344>.

**Kaufmann:1993:SCM**

- [1794] E. Kaufmann and R.-D. Reiss. Strong convergence of multivariate point processes of exceedances. *Annals of the Institute of Statistical Mathematics*, 45(3):433–444, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773345>.

**Luschgy:1993:SOS**

- [1795] Harald Luschgy. On a singularity occurring in a self-correcting point process model. *Annals of the Institute of Statistical Mathematics*, 45(3):445–452, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773346>.



**Yamato:1993:PUM**

- [1796] Hajime Yamato. A pólya urn model with a continuum of colors. *Annals of the Institute of Statistical Mathematics*, 45(3):453–458, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773347>.

**Sibuya:1993:RCP**

- [1797] Masaaki Sibuya. A random clustering process. *Annals of the Institute of Statistical Mathematics*, 45(3):459–465, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773348>.

**Wei:1993:AES**

- [1798] Gaoyuan Wei and B. E. Eichinger. Asymptotic expansions of some matrix argument hypergeometric functions, with applications to macromolecules. *Annals of the Institute of Statistical Mathematics*, 45(3):467–475, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773349>.

**Fu:1993:LDE**

- [1799] J. C. Fu, Gang Li, and D. L. C. Zhao. On large deviation expansion of distribution of maximum likelihood estimator and its application in large sample estimation. *Annals of the Institute of Statistical Mathematics*, 45(3):477–498, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773350>.

**Takagi:1993:EFA**

- [1800] Yoshiji Takagi and Nobuo Inagaki. Estimating function with asymptotic bias and its estimator. *Annals of the Institute of Statistical Mathematics*, 45(3):499–510, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773351>.

**Joseph:1993:MLE**

- [1801] Lawrence Joseph and David B. Wolfson. Maximum likelihood estimation in the multi-path change-point problem. *Annals of the Institute of Statistical Mathematics*, 45(3):511–530, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773352>.

**Bolfarine:1993:ESL**

- [1802] Heleno Bolfarine and Lisbeth K. Cordani. Estimation of a structural linear regression model with a known reliability ratio. *Annals of the Institute of Statistical Mathematics*, 45(3):531–540, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773353>.

**Bose:1993:DMM**

- [1803] Arup Bose and Probal Chaudhuri. On the dispersion of multivariate median. *Annals of the Institute of Statistical Mathematics*, 45(3):541–550, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773354>.



**Brandwein:1993:SEL**

- [1804] Ann Cohen Brandwein, Stefan Ralescu, and William E. Strawderman. Shrinkage estimators of the location parameter for certain spherically symmetric distributions. *Annals of the Institute of Statistical Mathematics*, 45(3):551–565, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773355>.

**Kuboki:1993:IDN**

- [1805] Hisataka Kuboki. Inferential distributions for non-Bayesian predictive fit. *Annals of the Institute of Statistical Mathematics*, 45(3):567–578, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773356>.

**Huang:1993:OIT**

- [1806] Wen-Tao Huang and Bimal K. Sinha. On optimum invariant tests of equality of intraclass correlation coefficients. *Annals of the Institute of Statistical Mathematics*, 45(3):579–597, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773357>.

**Cohen:1993:CAE**

- [1807] Arthur Cohen and H. B. Sackrowitz. Corrections to “Admissibility of estimators of the probability of unobserved outcomes”. *Annals of the Institute of Statistical Mathematics*, 45(3):599–601, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773358>. See [1623].

**Ghosh:1993:CFV**

- [1808] J. K. Ghosh and Rahul Mukerjee. Corrections to “Frequentist validity of highest posterior density regions in the multiparameter case”. *Annals of the Institute of Statistical Mathematics*, 45(3):602, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF00773359>. See [1782].

**Anonymous:1993:HCc**

- [1809] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 45(3):??, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Anonymous:1993:Ab**

- [1810] Anonymous. Acknowledgement. *Annals of the Institute of Statistical Mathematics*, 45(4):I–II, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF00774789>.

**Navard:1993:CDU**

- [1811] Sharon E. Navard, John W. Seaman, Jr., and Dean M. Young. A characterization of discrete unimodality with applications to variance upper bounds. *Annals of the Institute of Statistical Mathematics*, 45(4):603–614, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774775>.



**Wu:1993:RCI**

- [1812] Y. Wu. On rates of convergence of information theoretic criterion in rank determination of one-way random effects models. *Annals of the Institute of Statistical Mathematics*, 45(4):615–620, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774776>.

**Chen:1993:AEL**

- [1813] Song Xi Chen. On the accuracy of empirical likelihood confidence regions for linear regression model. *Annals of the Institute of Statistical Mathematics*, 45(4):621–637, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774777>.

**Beran:1993:SRC**

- [1814] Rudolf Beran. Semiparametric random coefficient regression models. *Annals of the Institute of Statistical Mathematics*, 45(4):639–654, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774778>.

**Park:1993:MRS**

- [1815] Sung H. Park, Jun H. Lim, and Yasumasa Baba. A measure of rotatability for second order response surface designs. *Annals of the Institute of Statistical Mathematics*, 45(4):655–664, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774779>.

**Tran:1993:OSN**

- [1816] Lanh Tat Tran and Berlin Wu. Order statistics for nonstationary time series. *Annals of the Institute of Statistical Mathematics*, 45(4):665–686, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774780>.

**Puri:1993:ABS**

- [1817] Madan L. Puri and Frits H. Ruymgaart. Asymptotic behavior of  $L$ -statistics for a large class of time series. *Annals of the Institute of Statistical Mathematics*, 45(4):687–701, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774781>.

**Pfanzagl:1993:CCM**

- [1818] J. Pfanzagl. On the consistency of conditional maximum likelihood estimators. *Annals of the Institute of Statistical Mathematics*, 45(4):703–719, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774782>.

**Thavaneswaran:1993:NSE**

- [1819] A. Thavaneswaran and Jagbir Singh. A note on smoothed estimating functions. *Annals of the Institute of Statistical Mathematics*, 45(4):721–729, ??? 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774783>.



Kuriki:1993:OIE

- [1820] Satoshi Kuriki. Orthogonally invariant estimation of the skew-symmetric normal mean matrix. *Annals of the Institute of Statistical Mathematics*, 45(4):731–739, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774784>.

Nakamura:1993:EMC

- [1821] Tadashi Nakamura and Chae-Shin Lee. On the existence of minimum contrast estimates in binary response model. *Annals of the Institute of Statistical Mathematics*, 45(4):741–758, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774785>.

Mukerjee:1993:ECL

- [1822] Rahul Mukerjee. An extension of the conditional likelihood ratio test to the general multiparameter case. *Annals of the Institute of Statistical Mathematics*, 45(4):759–771, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774786>.

Tripathi:1993:STI

- [1823] Ram C. Tripathi, Ramesh C. Gupta, and Robert K. Pair. Statistical tests involving several independent gamma distributions. *Annals of the Institute of Statistical Mathematics*, 45(4):773–786, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774787>.

Aki:1993:NTS

- [1824] Sigeo Aki. On nonparametric tests for symmetry in  $R^m$ . *Annals of the Institute of Statistical Mathematics*, 45(4):787–800, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00774788>.

Anonymous:1993:HCd

- [1825] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 45(4):??, 1993. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

Kunsch:1994:RPS

- [1826] Hans R. Künsch. Robust priors for smoothing and image restoration. *Annals of the Institute of Statistical Mathematics*, 46(1):1–19, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773588>.

Nicolaou:1994:CPB

- [1827] Anna Nicolaou. Conditional properties of Bayesian interval estimates. *Annals of the Institute of Statistical Mathematics*, 46(1):21–28, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773589>.

Yanagimoto:1994:KLR

- [1828] Takemi Yanagimoto. The Kullback–Leibler risk of the Stein estimator and the conditional MLE. *Annals of the Institute of Statistical Mathematics*, 46(1):29–41, 1994. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773590>.

**Blaesild:1994:MLE**

- [1829] Preben Blæsild. Maximum likelihood estimation in exponential orthogeodesic models. *Annals of the Institute of Statistical Mathematics*, 46(1):43–55, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773591>.

**delCastillo:1994:STN**

- [1830] Joan del Castillo. The singly truncated normal distribution: A non-steep exponential family. *Annals of the Institute of Statistical Mathematics*, 46(1):57–66, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773592>.

**Grubel:1994:EDF**

- [1831] Rudolf Grübel. Estimation of density functionals. *Annals of the Institute of Statistical Mathematics*, 46(1):67–75, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773593>.

**Isogal:1994:SEP**

- [1832] Eiichi Isogal and Chikara Uno. Sequential estimation of a parameter of an exponential distribution. *Annals of the Institute of Statistical Mathematics*, 46(1):77–82, 1994. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773594>.

**Clarke:1994:REC**

- [1833] B. R. Clarke and C. R. Heathcote. Robust estimation of  $k$ -component univariate normal mixtures. *Annals of the Institute of Statistical Mathematics*, 46(1):83–93, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773595>.

**Kubokawa:1994:DSE**

- [1834] Tatsuya Kubokawa. Double shrinkage estimation of ratio of scale parameters. *Annals of the Institute of Statistical Mathematics*, 46(1):95–116, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773596>.

**Qin:1994:SEL**

- [1835] Jing Qin. Semi-empirical likelihood ratio confidence intervals for the difference of two sample means. *Annals of the Institute of Statistical Mathematics*, 46(1):117–126, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773597>.

**Bilodeau:1994:LTI**

- [1836] Martin Bilodeau and Takeaki Kariya. LBI tests of independence in bivariate exponential distributions. *Annals of the Institute of Statistical Mathematics*, 46(1):127–136, 1994. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773598>.

**Hu:1994:LRT**

- [1837] Xiaomi Hu and F. T. Wright. Likelihood ratio tests for a class of non-oblique hypotheses. *Annals of the Institute of Statistical Mathematics*, 46(1):137–145, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773599>.

**Loh:1994:DEE**

- [1838] Wei-Liem Loh. On  $m$ -dependence and Edgeworth expansions. *Annals of the Institute of Statistical Mathematics*, 46(1):147–164, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773600>.

**Hwang:1994:JDS**

- [1839] Tea-Yuan Hwang and Chin-Yuan Hu. On the joint distribution of Studentized order statistics. *Annals of the Institute of Statistical Mathematics*, 46(1):165–177, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773601>.

**Fu:1994:PAD**

- [1840] James C. Fu and Markos V. Koutras. Poisson approximations for 2-dimensional patterns. *Annals of the Institute of Statistical Mathematics*, 46(1):179–192, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF00773602>.

**Aki:1994:DNF**

- [1841] Sigeo Aki and Katuomi Hirano. Distributions of numbers of failures and successes until the first consecutive  $k$  successes. *Annals of the Institute of Statistical Mathematics*, 46(1):193–202, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773603>.

**Anonymous:1994:HCa**

- [1842] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 46(1):??, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Leonard:1994:BLI**

- [1843] Tom Leonard, John S. J. Hsu, Kam-Wah Tsui, and James F. Murray. Bayesian and likelihood inference from equally weighted mixtures. *Annals of the Institute of Statistical Mathematics*, 46(2):203–220, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720581>.

**Sun:1994:BSR**

- [1844] Dongchu Sun and James O. Berger. Bayesian sequential reliability for Weibull and related distributions. *Annals of the Institute of Statistical Mathematics*, 46(2):221–249, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720582>.



Chen:1994:TNE

- [1845] Juei-Chao Chen. Testing for no effect in nonparametric regression via spline smoothing techniques. *Annals of the Institute of Statistical Mathematics*, 46(2):251–265, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720583>.

Wei:1994:SMR

- [1846] Bo-Cheng Wei and Jian-Qing Shih. On statistical models for regression diagnostics. *Annals of the Institute of Statistical Mathematics*, 46(2):267–278, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720584>.

Truong:1994:NTS

- [1847] Young K. Truong. Nonparametric time series regression. *Annals of the Institute of Statistical Mathematics*, 46(2):279–293, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720585>.

Ferguson:1994:MEV

- [1848] Thomas S. Ferguson and Lynn Kuo. Minimax estimation of a variance. *Annals of the Institute of Statistical Mathematics*, 46(2):295–308, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720586>.

Wefelmeyer:1994:EEE

- [1849] W. Wefelmeyer. An efficient estimator for the expectation of a bounded function under the residual distribution of an autoregressive process. *Annals of the Institute of Statistical Mathematics*, 46(2):309–315, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720587>.

Tripathi:1994:EPB

- [1850] Ram C. Tripathi, Ramesh C. Gupta, and John Gurland. Estimation of parameters in the beta binomial model. *Annals of the Institute of Statistical Mathematics*, 46(2):317–331, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720588>.

Bassan:1994:PDO

- [1851] Bruno Bassan and Marco Scarsini. Positive dependence orderings and stopping times. *Annals of the Institute of Statistical Mathematics*, 46(2):333–342, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720589>.

Finner:1994:LBJ

- [1852] H. Finner and M. Roters. On the limit behaviour of the joint distribution function of order statistics. *Annals of the Institute of Statistical Mathematics*, 46(2):343–349, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720590>.



**Li:1994:CPP**

- [1853] Shun-Hwa Li, Wen-Jang Huang, and Mong-Na Lo Huang. Characterizations of the Poisson process as a renewal process via two conditional moments. *Annals of the Institute of Statistical Mathematics*, 46(2):351–360, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720591>.

**Royen:1994:SMG**

- [1854] T. Royen. On some multivariate gamma-distributions connected with spanning trees. *Annals of the Institute of Statistical Mathematics*, 46(2):361–371, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720592>.

**Bohning:1994:DLR**

- [1855] Dankmar Böhning, Ekkehart Dietz, Rainer Schaub, Peter Schlattmann, and Bruce G. Lindsay. The distribution of the likelihood ratio for mixtures of densities from the one-parameter exponential family. *Annals of the Institute of Statistical Mathematics*, 46(2):373–388, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720593>.

**Dette:1994:ODR**

- [1856] Holger Dette and William J. Studden. Optimal designs with respect to Elfving's partial minimax criterion in polynomial regression. *Annals of the Institute of Statistical Mathematics*, 46

(2):389–403, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01720594>.

**Anonymous:1994:HCb**

- [1857] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 46(2):??, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Higuchi:1994:SSS**

- [1858] T. Higuchi, G. K. Crawford, R. J. Strangeway, and C. T. Russell. Separation of spin synchronized signals. *Annals of the Institute of Statistical Mathematics*, 46(3):405–428, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773508>.

**Liu:1994:MBF**

- [1859] Shu-Ing Liu. Multiperiod Bayesian forecasts for AR models. *Annals of the Institute of Statistical Mathematics*, 46(3):429–452, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773509>.

**vonSachs:1994:ENL**

- [1860] Rainer von Sachs. Estimating nonlinear functions of the spectral density, using a data-taper. *Annals of the Institute of Statistical Mathematics*, 46(3):453–474, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773510>.



Jensen:1994:ANP

- [1861] Jens Ledet Jensen and Hans R. Künsch. On asymptotic normality of pseudo likelihood estimates for pairwise interaction processes. *Annals of the Institute of Statistical Mathematics*, 46(3):475–486, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773511>.

Wells:1994:BBE

- [1862] Martin T. Wells and Ram C. Tiwari. Bootstrapping a Bayes estimator of a survival function with censored data. *Annals of the Institute of Statistical Mathematics*, 46(3):487–495, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773512>.

Lu:1994:ABS

- [1863] Wang-Shu Lu. Approximate Bayesian shrinkage estimation. *Annals of the Institute of Statistical Mathematics*, 46(3):497–507, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773513>.

Mukhopadhyay:1994:ISE

- [1864] N. Mukhopadhyay. Improved sequential estimation of means of exponential distributions. *Annals of the Institute of Statistical Mathematics*, 46(3):509–519, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773514>.

Jones:1994:VLS

- [1865] M. C. Jones, I. J. McKay, and T.-C. Hu. Variable location and scale kernel density estimation. *Annals of the Institute of Statistical Mathematics*, 46(3):521–535, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773515>.

Pitts:1994:NEC

- [1866] S. M. Pitts. Nonparametric estimation of compound distributions with applications in insurance. *Annals of the Institute of Statistical Mathematics*, 46(3):537–555, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773516>.

Provost:1994:EDF

- [1867] Serge B. Provost and Edmund M. Rudiuk. The exact density function of the ratio of two dependent linear combinations of chi-square variables. *Annals of the Institute of Statistical Mathematics*, 46(3):557–571, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773517>.

Boulerice:1994:DDD

- [1868] Bernard Boulerice and Gilles R. Ducharme. Decentered directional data. *Annals of the Institute of Statistical Mathematics*, 46(3):573–586, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773518>.



**Lin:1994:EWC**

- [1869] Gwo Dong Lin. On equivalence of weak convergence and moment convergence of life distributions. *Annals of the Institute of Statistical Mathematics*, 46(3):587–592, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773519>.

**Bhapkar:1994:FII**

- [1870] Vasant P. Bhapkar and Cidambi Srinivasan. On Fisher information inequalities in the presence of nuisance parameters. *Annals of the Institute of Statistical Mathematics*, 46(3):593–604, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773520>.

**Anonymous:1994:HCC**

- [1871] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 46(3):??, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Kitagawa:1994:TFF**

- [1872] Genshiro Kitagawa. The two-filter formula for smoothing and an implementation of the Gaussian-sum smoother. *Annals of the Institute of Statistical Mathematics*, 46(4):605–623, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773470>.

**Pourahmadi:1994:CCR**

- [1873] Mohsen Pourahmadi. Canonical correlation and reduction of multiple time

series. *Annals of the Institute of Statistical Mathematics*, 46(4):625–631, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773471>.

**Inagaki:1994:ADM**

- [1874] Nobuo Inagaki. Asymptotic distribution of maximal autoregressive process with weight tending to 1. *Annals of the Institute of Statistical Mathematics*, 46(4):633–640, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773472>.

**Yannaros:1994:WRP**

- [1875] Nikos Yannaros. Weibull renewal processes. *Annals of the Institute of Statistical Mathematics*, 46(4):641–648, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773473>.

**Pace:1994:GSE**

- [1876] Luigi Pace and Alessandra Salvan. The geometric structure of the expected/observed likelihood expansions. *Annals of the Institute of Statistical Mathematics*, 46(4):649–666, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773474>.

**Janas:1994:EES**

- [1877] Daniel Janas. Edgeworth expansions for spectral mean estimates with applications to Whittle estimates. *Annals of the Institute of Statistical Mathematics*, 46(4):667–682, 1994.



1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773475>.

**Basu:1994:MDE**

- [1878] Ayanendranath Basu and Bruce G. Lindsay. Minimum disparity estimation for continuous models: Efficiency, distributions and robustness. *Annals of the Institute of Statistical Mathematics*, 46(4):683–705, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773476>.

**Su:1994:SDR**

- [1879] Yingcai Su and Stamatis Cambanis. Sampling designs for regression coefficient estimation with correlated errors. *Annals of the Institute of Statistical Mathematics*, 46(4):707–722, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773477>.

**Lam:1994:EPT**

- [1880] Kin Lam, Bimal K. Sinha, and Zhong Wu. Estimation of parameters in a two-parameter exponential distribution using ranked set sample. *Annals of the Institute of Statistical Mathematics*, 46(4):723–736, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773478>.

**Jureckova:1994:ACT**

- [1881] Jana Jurecková, Roger Koenker, and A. H. Welsh. Adaptive choice of trim-

ming proportions. *Annals of the Institute of Statistical Mathematics*, 46(4):737–755, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773479>.

**Nagaraja:1994:TLS**

- [1882] H. N. Nagaraja. Tukey's linear sensitivity and order statistics. *Annals of the Institute of Statistical Mathematics*, 46(4):757–768, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773480>.

**Hwang:1994:JDG**

- [1883] Tea-Yuan Hwang and Chin-Yuan Hu. On the joint distribution of Grubbs' statistics. *Annals of the Institute of Statistical Mathematics*, 46(4):769–775, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773481>.

**Mohanty:1994:SRL**

- [1884] S. G. Mohanty. Success runs of length  $k$  in Markov dependent trials. *Annals of the Institute of Statistical Mathematics*, 46(4):777–796, 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773482>.

**Pakes:1994:NCC**

- [1885] Anthony G. Pakes. Necessary conditions for characterization of laws via mixed sums. *Annals of the Institute of Statistical Mathematics*, 46(4):797–802,



- ???? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773483>.
- Anonymous:1994:A**
- [1886] Anonymous. Acknowledgement. *Annals of the Institute of Statistical Mathematics*, 46(4):803–804, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF00773484>.
- Anonymous:1994:HCd**
- [1887] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 46(4):??, ??? 1994. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).
- Brockwell:1995:ACT**
- [1888] P. J. Brockwell and O. Stramer. On the approximation of continuous time threshold ARMA processes. *Annals of the Institute of Statistical Mathematics*, 47(1):1–20, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773408>.
- Nagaev:1995:SPC**
- [1889] A. V. Nagaev. Some properties of convex hulls generated by homogeneous Poisson point processes in an unbounded convex domain. *Annals of the Institute of Statistical Mathematics*, 47(1):21–29, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773409>.
- Yamazaki:1995:OOT**
- [1890] Genji Yamazaki and Hiroshi Ito. Optimal order for two servers in tandem. *Annals of the Institute of Statistical Mathematics*, 47(1):31–48, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773410>.
- Vos:1995:QLE**
- [1891] Paul W. Vos. Quasi-likelihood or extended quasi-likelihood? an information-geometric approach. *Annals of the Institute of Statistical Mathematics*, 47(1):49–64, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773411>.
- Wang:1995:OSB**
- [1892] Suojin Wang. Optimizing the smoothed bootstrap. *Annals of the Institute of Statistical Mathematics*, 47(1):65–80, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773412>.
- Wei:1995:CRE**
- [1893] Laisheng Wei and Shunpu Zhang. The convergence rates of empirical Bayes estimation in a multiple linear regression model. *Annals of the Institute of Statistical Mathematics*, 47(1):81–97, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773413>.



Bose:1995:NAS

- [1894] Arup Bose and Nitis Mukhopadhyay. A note on accelerated sequential estimation of the mean of NEF–PVF distributions. *Annals of the Institute of Statistical Mathematics*, 47(1):99–104, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773414>.

Xiang:1995:EQS

- [1895] Xiaojing Xiang. Estimation of a quantile in some nonstandard cases. *Annals of the Institute of Statistical Mathematics*, 47(1):105–117, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773415>.

Takada:1995:API

- [1896] Yoshikazu Takada. Admissibility of prediction intervals. *Annals of the Institute of Statistical Mathematics*, 47(1):119–128, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773416>.

vonRosen:1995:RGC

- [1897] Dietrich von Rosen. Residuals in the growth curve model. *Annals of the Institute of Statistical Mathematics*, 47(1):129–136, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773417>.

Pan:1995:MOD

- [1898] Jian-Xin Pan and Kai-Tai Fang. Multiple outlier detection in growth curve model with unstructured covariance matrix. *Annals of the Institute of Statistical Mathematics*, 47(1):137–153, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773418>.

Dumbgen:1995:MTC

- [1899] Lutz Dümbgen. Minimax tests for convex cones. *Annals of the Institute of Statistical Mathematics*, 47(1):155–165, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773419>.

Amrhein:1995:ETS

- [1900] Peter Amrhein. An example of a two-sided Wilcoxon signed rank test which is not unbiased. *Annals of the Institute of Statistical Mathematics*, 47(1):167–170, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773420>.

Papathanasiou:1995:CPS

- [1901] V. Papathanasiou. A characterization of the Pearson system of distributions and the associated orthogonal polynomials. *Annals of the Institute of Statistical Mathematics*, 47(1):171–176, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773421>.



**Wesolowski:1995:BDP**

- [1902] Jacek Wesolowski. Bivariate distributions via a Pareto conditional distribution and a regression function. *Annals of the Institute of Statistical Mathematics*, 47(1):177–183, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773422>.

**Papadatos:1995:MVO**

- [1903] Nickos Papadatos. Maximum variance of order statistics. *Annals of the Institute of Statistical Mathematics*, 47(1):185–193, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773423>.

**Anonymous:1995:HCa**

- [1904] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 47(1):??, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Nishiyama:1995:LAN**

- [1905] Yoichi Nishiyama. Local asymptotic normality of a sequential model for marked point processes and its applications. *Annals of the Institute of Statistical Mathematics*, 47(2):195–209, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773457>.

**Liu:1995:BMF**

- [1906] Shu-Ing Liu. Bayesian multiperiod forecasts for ARX models. *Annals of*

*the Institute of Statistical Mathematics*, 47(2):211–224, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773458>.

**Aki:1995:JDN**

- [1907] Sigeo Aki and Katuomi Hirano. Joint distributions of numbers of success-runs and failures until the first consecutive  $k$  successes. *Annals of the Institute of Statistical Mathematics*, 47(2):225–235, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773459>.

**Xiang:1995:BET**

- [1908] Xiaojing Xiang. A Berry–Esseen theorem for the kernel quantile estimator with application to studying the deficiency of quantile estimators. *Annals of the Institute of Statistical Mathematics*, 47(2):237–251, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773460>.

**Bagai:1995:KTD**

- [1909] Isha Bagai and B. L. S. Prakasa Rao. Kernel-type density and failure rate estimation for associated sequences. *Annals of the Institute of Statistical Mathematics*, 47(2):253–266, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773461>.



Bose:1995:EAD

- [1910] Arup Bose. Estimating the asymptotic dispersion of the  $L_1$  median. *Annals of the Institute of Statistical Mathematics*, 47(2):267–271, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773462>.

Shinozaki:1995:SMI

- [1911] Nobuo Shinozaki. Some modifications of improved estimators of a normal variance. *Annals of the Institute of Statistical Mathematics*, 47(2):273–286, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773463>.

Vijayasree:1995:CEO

- [1912] G. Vijayasree, Neeraj Misra, and Harshinder Singh. Componentwise estimation of ordered parameters of  $k(\geq 2)$  exponential populations. *Annals of the Institute of Statistical Mathematics*, 47(2):287–307, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773464>.

Yokoyama:1995:LTR

- [1913] Takahisa Yokoyama. LR test for random-effects covariance structure in a parallel profile model. *Annals of the Institute of Statistical Mathematics*, 47(2):309–320, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773465>.

Kowalski:1995:CCT

- [1914] Jacek P. Kowalski. Complete classes of tests for regularly varying distributions. *Annals of the Institute of Statistical Mathematics*, 47(2):321–350, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773466>.

Chang:1995:SRM

- [1915] Der-Shin Chang and Guan-Chyun Lin. Stochastic regression model with heteroscedastic disturbance. *Annals of the Institute of Statistical Mathematics*, 47(2):351–369, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773467>.

Abdous:1995:RQE

- [1916] Belkacem Abdous and Bruno Remillard. Relating quantiles and expectiles under weighted-symmetry. *Annals of the Institute of Statistical Mathematics*, 47(2):371–384, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773468>.

Bischoff:1995:DFA

- [1917] Wolfgang Bischoff. Determinant formulas with applications to designing when the observations are correlated. *Annals of the Institute of Statistical Mathematics*, 47(2):385–399, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773469>.



**Anonymous:1995:HCB**

- [1918] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 47(2):??, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Cain:1995:REP**

- [1919] Michael Cain and Christian Janssen. Real estate price prediction under asymmetric loss. *Annals of the Institute of Statistical Mathematics*, 47(3):401–414, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773391>.

**Uchida:1995:SLW**

- [1920] Masayuki Uchida and Sigeo Aki. Sooner and later waiting time problems in a two-state Markov chain. *Annals of the Institute of Statistical Mathematics*, 47(3):415–433, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773392>.

**Fu:1995:ELD**

- [1921] James C. Fu. Exact and limiting distributions of the number of successions in a random permutation. *Annals of the Institute of Statistical Mathematics*, 47(3):435–446, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773393>.

**Sapatinas:1995:IMP**

- [1922] Theofanis Sapatinas. Identifiability of mixtures of power-series distribu-

tions and related characterizations. *Annals of the Institute of Statistical Mathematics*, 47(3):447–459, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773394>.

**Barndorff-Nielsen:1995:QPD**

- [1923] O. E. Barndorff-Nielsen. Quasi profile and directed likelihoods from estimating functions. *Annals of the Institute of Statistical Mathematics*, 47(3):461–464, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773395>.

**Stokes:1995:PRS**

- [1924] Lynne Stokes. Parametric ranked set sampling. *Annals of the Institute of Statistical Mathematics*, 47(3):465–482, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773396>.

**Mitra:1995:CPE**

- [1925] Murari Mitra and Sujit K. Basu. Change point estimation in non-monotonic aging models. *Annals of the Institute of Statistical Mathematics*, 47(3):483–491, ??? 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773397>.

**Gupta:1995:BEM**

- [1926] Ramesh C. Gupta and H. Olcay Akman. Bayes estimation in a mixture inverse Gaussian model. *Annals of the Institute of Statistical Mathematics*, 47(3):493–503, ??? 1995. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773398>.

**Moonesinghe:1995:THO**

- [1927] Ramal Moonesinghe and F. T. Wright. Testing homogeneity with an ordered alternative in a two-factor layout by combining  $p$ -values. *Annals of the Institute of Statistical Mathematics*, 47(3):505–523, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773399>.

**Ren:1995:GCM**

- [1928] Jian-Jian Ren. Generalized Cramér-von Mises tests of goodness of fit for doubly censored data. *Annals of the Institute of Statistical Mathematics*, 47(3):525–549, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773400>.

**Garel:1995:LAN**

- [1929] Bernard Garel and Marc Hallin. Local asymptotic normality of multivariate ARMA processes with a linear trend. *Annals of the Institute of Statistical Mathematics*, 47(3):551–579, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773401>.

**Taniguchi:1995:HOA**

- [1930] Masanobu Taniguchi and Madan L. Puri. Higher order asymptotic theory for normalizing transformations

of maximum likelihood estimators. *Annals of the Institute of Statistical Mathematics*, 47(3):581–600, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00773402>.

**Anonymous:1995:HCc**

- [1931] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 47(3):??, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Baddeley:1995:AIP**

- [1932] A. J. Baddeley and M. N. M. van Lieshout. Area-interaction point processes. *Annals of the Institute of Statistical Mathematics*, 47(4):601–619, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01856536>.

**Patil:1995:FPC**

- [1933] G. P. Patil, A. K. Sinha, and C. Tailie. Finite population corrections for ranked set sampling. *Annals of the Institute of Statistical Mathematics*, 47(4):621–636, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01856537>.

**He:1995:EDT**

- [1934] Kun He. On estimating domain totals over a subpopulation. *Annals of the Institute of Statistical Mathematics*, 47(4):637–644, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01856537>.



[//link.springer.com/article/10.1007/BF01856538](http://link.springer.com/article/10.1007/BF01856538).

**Hesse:1995:DDC**

- [1935] Christian H. Hesse. Deconvolving a density from contaminated dependent observations. *Annals of the Institute of Statistical Mathematics*, 47(4):645–663, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01856539>.

**Shiraishi:1995:CIE**

- [1936] T. Shiraishi and Y. Konno. On construction of improved estimators in multiple-design multivariate linear models under general restriction. *Annals of the Institute of Statistical Mathematics*, 47(4):665–674, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01856540>.

**Albers:1995:TSR**

- [1937] Willem Albers. A two-stage rank test using density estimation. *Annals of the Institute of Statistical Mathematics*, 47(4):675–691, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01856541>.

**Falk:1995:LEO**

- [1938] Michael Falk. LAN of extreme order statistics. *Annals of the Institute of Statistical Mathematics*, 47(4):693–717, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01856542>.

**Dykstra:1995:LRT**

- [1939] Richard Dykstra, Subhash Kocher, and Tim Robertson. Likelihood ratio tests for symmetry against one-sided alternatives. *Annals of the Institute of Statistical Mathematics*, 47(4):719–730, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01856543>.

**Ananda:1995:GTU**

- [1940] Malwane M. A. Ananda. Generalized  $F$ -tests for unbalanced nested designs under heteroscedasticity. *Annals of the Institute of Statistical Mathematics*, 47(4):731–742, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01856544>.

**Koutras:1995:RSU**

- [1941] M. V. Koutras and V. A. Alexandrou. Runs, scans and URN model distributions: A unified Markov chain approach. *Annals of the Institute of Statistical Mathematics*, 47(4):743–766, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01856545>.

**Kollo:1995:AWD**

- [1942] Tönu Kollo and Dietrich von Rosen. Approximating by the Wishart distribution. *Annals of the Institute of Statistical Mathematics*, 47(4):767–783, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01856546>.



**Letac:1995:CST**

- [1943] G. Letac and H. Massam. Craig-Sakamoto's theorem for the Wishart distributions on symmetric cones. *Annals of the Institute of Statistical Mathematics*, 47(4):785–799, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF01856547>.

**Anonymous:1995:HCd**

- [1944] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 47(4):??, 1995. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Beran:1996:CSC**

- [1945] Rudolf Beran. Confidence sets centered at  $C_p$ -estimators. *Annals of the Institute of Statistical Mathematics*, 48(1):1–15, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049285>.

**duPlessis:1996:BCE**

- [1946] J. L. du Plessis and A. J. van der Merwe. Bayesian calibration in the estimation of the age of rhinoceros. *Annals of the Institute of Statistical Mathematics*, 48(1):17–28, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049286>.

**Thomson:1996:ESO**

- [1947] Peter J. Thomson and Peter M. Robinson. Estimation of second-order properties from jittered time series.

*Annals of the Institute of Statistical Mathematics*, 48(1):29–48, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049287>.

**Boshnakov:1996:BFC**

- [1948] Georgi N. Boshnakov. Bartlett's formulae — closed forms and recurrent equations. *Annals of the Institute of Statistical Mathematics*, 48(1):49–59, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049288>.

**Kuchler:1996:CEF**

- [1949] Uwe Kuchler and Michael Sørensen. Curved exponential families of stochastic processes and their envelope families. *Annals of the Institute of Statistical Mathematics*, 48(1):61–74, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049289>.

**Babu:1996:ABI**

- [1950] Gutti Jogesh Babu and Yogendra P. Chaubey. Asymptotics and bootstrap for inverse Gaussian regression. *Annals of the Institute of Statistical Mathematics*, 48(1):75–88, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049290>.

**Jimichi:1996:CER**

- [1951] Masayuki Jimichi and Nobuo Inagaki.  $r$ - $k$  Class estimation in regression model with concomitant variables. *Annals of the Institute of*



*Statistical Mathematics*, 48(1):89–95, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049291>.

**Wu:1996:FWS**

- [1952] Jong-Wuu Wu, Jiahn-Bang Jang, and Tzong-Ru Tsai. Fuzzy weighted scaled coefficients in semi-parametric model. *Annals of the Institute of Statistical Mathematics*, 48(1):97–110, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049292>.

**Arellano-Valle:1996:NSS**

- [1953] R. B. Arellano-Valle and H. Bolfarine. A note on the simple structural regression model. *Annals of the Institute of Statistical Mathematics*, 48(1):111–125, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049293>.

**Takahashi:1996:MSP**

- [1954] Rinya Takahashi and Masaaki Sibuya. The maximum size of the planar sections of random spheres and its application to metallurgy. *Annals of the Institute of Statistical Mathematics*, 48(1):127–144, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049294>.

**Rauhut:1996:IPD**

- [1955] B. Rauhut. Iterated probability distributions and extremes with random sample size. *Annals of the Institute of*

*Statistical Mathematics*, 48(1):145–155, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049295>.

**Dimaki:1996:TUC**

- [1956] Caterina Dimaki and Evdokia Xekalaki. Towards a unification of certain characterizations by conditional expectations. *Annals of the Institute of Statistical Mathematics*, 48(1):157–168, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049296>.

**Shenton:1996:MSU**

- [1957] L. R. Shenton and K. O. Bowman. Moment solution to an urn model. *Annals of the Institute of Statistical Mathematics*, 48(1):169–184, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049297>.

**Aki:1996:LDE**

- [1958] Sigeo Aki and Katuomi Hirano. Lifetime distribution and estimation problems of consecutive- $k$ -out-of- $n:F$  systems. *Annals of the Institute of Statistical Mathematics*, 48(1):185–199, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00049298>.

**Anonymous:1996:HCa**

- [1959] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 48(1):??, March 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).



**Mase:1996:TME**

- [1960] Shigeru Mase. The threshold method for estimating total rainfall. *Annals of the Institute of Statistical Mathematics*, 48(2):201–213, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054785>.

**Kashiwagi:1996:SSA**

- [1961] Nobuhisa Kashiwagi. A state-space approach to polygonal line regression. *Annals of the Institute of Statistical Mathematics*, 48(2):215–228, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054786>.

**Karunamuni:1996:EBD**

- [1962] Rohana J. Karunamuni and Shunpu Zhang. Empirical Bayes detection of a change in distribution. *Annals of the Institute of Statistical Mathematics*, 48(2):229–246, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054787>.

**Rojo:1996:RBP**

- [1963] Javier Rojo. Relationships between pure tail orderings of lifetime distributions and some concepts of residual life. *Annals of the Institute of Statistical Mathematics*, 48(2):247–255, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054788>.

**Ebrahimi:1996:MDB**

- [1964] Nader Ebrahimi and S. N. U. A. Kirmani. A measure of discrimination between two residual lifetime distributions and its applications. *Annals of the Institute of Statistical Mathematics*, 48(2):257–265, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054789>.

**Roussas:1996:MDR**

- [1965] George G. Roussas and Yannis G. Yatracos. Minimum distance regression-type estimates with rates under weak dependence. *Annals of the Institute of Statistical Mathematics*, 48(2):267–281, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054790>.

**Wu:1996:QLE**

- [1966] Jong-Wuu Wu. The quasi-likelihood estimation in regression. *Annals of the Institute of Statistical Mathematics*, 48(2):283–294, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054791>.

**He:1996:BER**

- [1967] Xuming He and Qi man Shao. Bahadur efficiency and robustness of Studentized score tests. *Annals of the Institute of Statistical Mathematics*, 48(2):295–314, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054792>.



**Heckman:1996:NTB**

- [1968] Nancy E. Heckman and Bing Li. Non-parametric tests for bounds on the derivative of a regression function. *Annals of the Institute of Statistical Mathematics*, 48(2):315–336, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054793>.

**Fueda:1996:LNT**

- [1969] Kaoru Fueda. The limiting normality of the test statistic for the two-sample problem induced by a convex sum distance. *Annals of the Institute of Statistical Mathematics*, 48(2):337–347, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054794>.

**Akahira:1996:LIS**

- [1970] Masafumi Akahira. Loss of information of a statistic for a family of non-regular distributions. *Annals of the Institute of Statistical Mathematics*, 48(2):349–364, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054795>.

**Akahira:1996:TOE**

- [1971] Masafumi Akahira. Third order efficiency implies fourth order efficiency: A resolution of the conjecture of J. K. Ghosh. *Annals of the Institute of Statistical Mathematics*, 48(2):365–380, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054796>.

**Provost:1996:EDI**

- [1972] Serge B. Provost and Edmund M. Rudiuk. The exact distribution of indefinite quadratic forms in noncentral normal vectors. *Annals of the Institute of Statistical Mathematics*, 48(2):381–394, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054797>.

**Draper:1996:OTO**

- [1973] Norman R. Draper, Berthold Heiligers, and Friedrich Pukelsheim. On optimal third order rotatable designs. *Annals of the Institute of Statistical Mathematics*, 48(2):395–402, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00054798>.

**Anonymous:1996:HCb**

- [1974] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 48(2):??, June 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hall:1996:BED**

- [1975] Peter Hall and Raoul LePage. On bootstrap estimation of the distribution of the Studentized mean. *Annals of the Institute of Statistical Mathematics*, 48(3):403–421, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050845>.



**Fujisawa:1996:MLE**

- [1976] Hironori Fujisawa. The maximum likelihood estimators in a multivariate normal distribution with AR(1) covariance structure for monotone data. *Annals of the Institute of Statistical Mathematics*, 48(3):423–428, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050846>.

**Hallin:1996:KDE**

- [1977] Marc Hallin and Lanh Tat Tran. Kernel density estimation for linear processes: Asymptotic normality and optimal bandwidth derivation. *Annals of the Institute of Statistical Mathematics*, 48(3):429–449, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050847>.

**Wu:1996:MKD**

- [1978] Colin O. Wu and Andrew Q. Mao. Minimax kernels for density estimation with biased data. *Annals of the Institute of Statistical Mathematics*, 48(3):451–467, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050848>.

**Visek:1996:SAE**

- [1979] Jan Ámos Visek. Sensitivity analysis of  $M$ -estimates. *Annals of the Institute of Statistical Mathematics*, 48(3):469–495, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050852>.

[//link.springer.com/article/10.1007/BF00050849](http://link.springer.com/article/10.1007/BF00050849).

**Mukhopadhyay:1996:SFW**

- [1980] Nitis Mukhopadhyay and Sujay Datta. On sequential fixed-width confidence intervals for the mean and second-order expansions of the associated coverage probabilities. *Annals of the Institute of Statistical Mathematics*, 48(3):497–507, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050850>.

**Kourouklis:1996:IEU**

- [1981] Stavros Kourouklis. Improved estimation under Pitman's measure of closeness. *Annals of the Institute of Statistical Mathematics*, 48(3):509–518, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050851>.

**Balakrishnan:1996:RMO**

- [1982] N. Balakrishnan and Rita Aggarwala. Relationships for moments of order statistics from the right-truncated generalized half logistic distribution. *Annals of the Institute of Statistical Mathematics*, 48(3):519–534, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050852>.

**Cramer:1996:SOS**

- [1983] Erhard Cramer and Udo Kamps. Sequential order statistics and  $k$ -out-of- $n$  systems with sequentially adjusted



failure rates. *Annals of the Institute of Statistical Mathematics*, 48(3): 535–549, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050853>.

**Antzoulakos:1996:DPD**

- [1984] Demetrios L. Antzoulakos and Andreas N. Philippou. Derivation of the probability distribution functions for succession quota random variables. *Annals of the Institute of Statistical Mathematics*, 48(3):551–561, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050854>.

**Ruiz:1996:CBC**

- [1985] J. M. Ruiz and J. Navarro. Characterizations based on conditional expectations of the doubled truncated distribution. *Annals of the Institute of Statistical Mathematics*, 48(3): 563–572, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050855>.

**Nguyen:1996:CCD**

- [1986] T. T. Nguyen, A. K. Gupta, and Y. Wang. A characterization of certain discrete exponential families. *Annals of the Institute of Statistical Mathematics*, 48(3):573–576, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050856>.

**Bhansali:1996:AEA**

- [1987] R. J. Bhansali. Asymptotically efficient autoregressive model selection for multistep prediction. *Annals of the Institute of Statistical Mathematics*, 48(3):577–602, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00050857>.

**Anonymous:1996:HCC**

- [1988] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 48(3):??, September 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Takemura:1996:PIB**

- [1989] Akimichi Takemura and Satoshi Kuriki. A proof of independent Bartlett correctability of nested likelihood ratio tests. *Annals of the Institute of Statistical Mathematics*, 48(4):603–620, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052322>.

**Ku:1996:QTT**

- [1990] Simon Ku and Eugene Seneta. Quenouille-type theorem on autocorrelations. *Annals of the Institute of Statistical Mathematics*, 48(4): 621–630, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052323>.

**Biscay:1996:LLM**

- [1991] R. Biscay, J. C. Jimenez, J. J. Riera, and P. A. Valdes. Local lin-



earization method for the numerical solution of stochastic differential equations. *Annals of the Institute of Statistical Mathematics*, 48(4):631–644, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052324>.

**Bhattacharjee:1996:SCB**

- [1992] M. C. Bhattacharjee. Stochastic comparisons and bounds for aging renewal process shock models and their applications. *Annals of the Institute of Statistical Mathematics*, 48(4):645–662, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052325>.

**Muliere:1996:BNP**

- [1993] P. Muliere and P. Secchi. Bayesian nonparametric predictive inference and bootstrap techniques. *Annals of the Institute of Statistical Mathematics*, 48(4):663–673, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052326>.

**Sturgeon:1996:MSR**

- [1994] Michael Sturgeon. Mass shifting roles of negative kernel mass in density estimation. *Annals of the Institute of Statistical Mathematics*, 48(4):675–686, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052327>.

**Quiroz:1996:EMB**

- [1995] Adolfo J. Quiroz, Miguel Nakamura, and Francisco J. Pérez. Estimation of a multivariate Box–Cox transformation to elliptical symmetry via the empirical characteristic function. *Annals of the Institute of Statistical Mathematics*, 48(4):687–709, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052328>.

**Karunamuni:1996:EBS**

- [1996] Rohana J. Karunamuni. Empirical Bayes sequential estimation for exponential families: The untruncated component. *Annals of the Institute of Statistical Mathematics*, 48(4):711–730, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052329>.

**Kong:1996:LTM**

- [1997] Fanhui Kong and Heliang Fei. Limit theorems for the maximum likelihood estimate under general multiply type II censoring. *Annals of the Institute of Statistical Mathematics*, 48(4):731–755, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052330>.

**Aggarwala:1996:RRS**

- [1998] Rita Aggarwala and N. Balakrishnan. Recurrence relations for single and product moments of progressive Type-II right censored order



- statistics from exponential and truncated exponential distributions. *Annals of the Institute of Statistical Mathematics*, 48(4):757–771, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052331>.
- Aki:1996:SLW**
- [1999] S. Aki, N. Balakrishnan, and S. G. Mohanty. Sooner and later waiting time problems for success and failure runs in higher order Markov dependent trials. *Annals of the Institute of Statistical Mathematics*, 48(4):773–787, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052332>.
- Koutras:1996:WTD**
- [2000] M. V. Koutras. On a waiting time distribution in a sequence of Bernoulli trials. *Annals of the Institute of Statistical Mathematics*, 48(4):789–806, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052333>.
- Anonymous:1996:A**
- [2001] Anonymous. Acknowledgement. *Annals of the Institute of Statistical Mathematics*, 48(4):807–809, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF00052334>.
- Anonymous:1996:HCd**
- [2002] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 48(4):??, December 1996. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).
- Beran:1997:DBS**
- [2003] Rudolf Beran. Diagnosing bootstrap success. *Annals of the Institute of Statistical Mathematics*, 49(1):1–24, March 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003114420352>.
- Lo:1997:MSG**
- [2004] Albert Y. Lo and V. V. Sazonov. Von Mises  $\omega^2$ -statistic and the generalized Bayesian bootstraps. *Annals of the Institute of Statistical Mathematics*, 49(1):25–34, March 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003106504422>.
- Zhang:1997:QPP**
- [2005] Biao Zhang. Quantile processes in the presence of auxiliary information. *Annals of the Institute of Statistical Mathematics*, 49(1):35–55, March 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003158521261>.
- Kundu:1997:BDN**
- [2006] Subrata Kundu and Adam T. Martinsek. Bounding the  $L_1$  distance in non-parametric density estimation. *Annals of the Institute of Statistical Mathematics*, 49(1):57–78, March 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003158521261>.



[//link.springer.com/article/10.1023/A%3A1003110605331](http://link.springer.com/article/10.1023/A%3A1003110605331).

**Fan:1997:LPR**

- [2007] Jianqing Fan, Theo Gasser, Irène Gijbels, Michael Brockmann, and Joachim Engel. Local polynomial regression: Optimal kernels and asymptotic minimax efficiency. *Annals of the Institute of Statistical Mathematics*, 49(1):79–99, March 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003162622169>.

**Nakashima:1997:SME**

- [2008] Eiji Nakashima. Some methods for estimation in a negative-binomial model. *Annals of the Institute of Statistical Mathematics*, 49(1):101–115, March 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003114706239>.

**Papadatos:1997:NMV**

- [2009] Nickos Papadatos. A note on maximum variance of order statistics from symmetric populations. *Annals of the Institute of Statistical Mathematics*, 49(1):117–121, March 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003166723078>.

**Koutras:1997:WTD**

- [2010] M. V. Koutras. Waiting time distributions associated with runs of fixed length in two-state Markov chains. *Annals of the Institute of*

*Statistical Mathematics*, 49(1):123–139, March 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003118807148>.

**Godbole:1997:FRJ**

- [2011] Anant P. Godbole, Stavros G. Papastavridis, and Robert S. Weishaar. Formulae and recursions for the joint distribution of success runs of several lengths. *Annals of the Institute of Statistical Mathematics*, 49(1):141–153, March 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003170823986>.

**Balakrishnan:1997:SDT**

- [2012] N. Balakrishnan, S. G. Mohanty, and S. Aki. Start-up demonstration tests under Markov dependence model with corrective actions. *Annals of the Institute of Statistical Mathematics*, 49(1):155–169, March 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003122908057>.

**Gupta:1997:UMP**

- [2013] Arjun K. Gupta and Jacek Wesolowski. Uniform mixtures via posterior means. *Annals of the Institute of Statistical Mathematics*, 49(1):171–180, March 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003175024895>.



**Ghosal:1997:AEP**

- [2014] Subhashis Ghosal and Tapas Samanta. Asymptotic expansions of posterior distributions in nonregular cases. *Annals of the Institute of Statistical Mathematics*, 49(1):181–197, March 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003127108965>.

**Anonymous:1997:HCa**

- [2015] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 49(1):??, March 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hirose:1997:CRF**

- [2016] Keiichi Hirose, Eiichi Isogai, and Chikara Uno. The convergence rate of fixed-width sequential confidence intervals for a parameter of an exponential distribution. *Annals of the Institute of Statistical Mathematics*, 49(2):199–209, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003121726848>.

**Sen:1997:EDR**

- [2017] Ananda Sen and Arthur Fries. Estimation in a discrete reliability growth model under an inverse sampling Scheme. *Annals of the Institute of Statistical Mathematics*, 49(2):211–229, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003102610918>.

**Chen:1997:NBI**

- [2018] Zhiqiang Chen and Eswar Phadia. A note on the best invariant estimator of a distribution function under the Kolmogorov–Smirnov loss. *Annals of the Institute of Statistical Mathematics*, 49(2):231–235, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003154627756>.

**Bhattacharya:1997:TSA**

- [2019] Bhaskar Bhattacharya. On tests of symmetry against one-sided alternatives. *Annals of the Institute of Statistical Mathematics*, 49(2):237–254, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003106711827>.

**DelCastillo:1997:TDG**

- [2020] Joan Del Castillo and Pedro Puig. Testing departures from gamma, Rayleigh and truncated normal distributions. *Annals of the Institute of Statistical Mathematics*, 49(2):255–269, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003158828665>.

**Horvath:1997:DCL**

- [2021] Lajos Horváth. Detection of changes in linear sequences. *Annals of the Institute of Statistical Mathematics*, 49(2):271–283, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003102610918>.



[//link.springer.com/article/10.1023/A%3A1003110912735](http://link.springer.com/article/10.1023/A%3A1003110912735).

**Shimizu:1997:SEB**

- [2022] Ryoichi Shimizu and Yasunori Fujikoshi. Sharp error bounds for asymptotic expansions of the distribution functions for scale mixtures. *Annals of the Institute of Statistical Mathematics*, 49(2):285–297, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003162929574>.

**Ramachandran:1997:GSL**

- [2023] B. Ramachandran. On geometric-stable laws, a related property of stable processes, and stable densities of exponent one. *Annals of the Institute of Statistical Mathematics*, 49(2):299–313, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003115013644>.

**Pusz:1997:RCG**

- [2024] J. Pusz. Regressional characterization of the generalized inverse Gaussian population. *Annals of the Institute of Statistical Mathematics*, 49(2):315–319, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003167030482>.

**Venter:1997:LMS**

- [2025] J. H. Venter and J. L. J. Snyman. Linear model selection based on risk estimation. *Annals of the Institute of Statistical Mathematics*, 49

(2):321–340, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003119114553>.

**Li:1997:AES**

- [2026] Ta-Hsin Li and Gerald R. North. Aliasing effects and sampling theorems of spherical random fields when sampled on a finite Grid. *Annals of the Institute of Statistical Mathematics*, 49(2):341–354, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003171131391>.

**Cuevas:1997:DFS**

- [2027] Antonio Cuevas and Juan Romo. Differentiable functionals and smoothed bootstrap. *Annals of the Institute of Statistical Mathematics*, 49(2):355–370, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003123215461>.

**Woodbury:1997:CMH**

- [2028] Max A. Woodbury, Kenneth G. Manton, and H. Dennis Tolley. Convex models of high dimensional discrete data. *Annals of the Institute of Statistical Mathematics*, 49(2):371–393, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003175232300>.

**Anonymous:1997:HCB**

- [2029] Anonymous. Help & contacts. *Annals of the Institute of Statistical Math-*



*ematics*, 49(2):??, June 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Shimodaira:1997:AEP**

- [2030] Hidetoshi Shimodaira. Assessing the error probability of the model selection test. *Annals of the Institute of Statistical Mathematics*, 49(3): 395–410, September 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003140609666>.

**Ishiguro:1997:BLL**

- [2031] Makio Ishiguro, Yosiyuki Sakamoto, and Genshiro Kitagawa. Bootstrapping log likelihood and EIC, an extension of AIC. *Annals of the Institute of Statistical Mathematics*, 49(3): 411–434, September 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003158526504>.

**Bhattacharya:1997:FDA**

- [2032] Bhaskar Bhattacharya and Richard L. Dykstra. A Fenchel duality aspect of iterative  $I$ -projection procedures. *Annals of the Institute of Statistical Mathematics*, 49(3):435–446, September 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003110627413>.

**Adimari:1997:ELT**

- [2033] Gianfranco Adimari. Empirical likelihood type confidence intervals under random censorship. *Annals of the Institute of Statistical Mathematics*, 49

(3):447–466, September 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003114711483>.

**VanKeilegom:1997:EBC**

- [2034] Ingrid Van Keilegom and Noël Veraverbeke. Estimation and bootstrap with censored data in fixed design nonparametric regression. *Annals of the Institute of Statistical Mathematics*, 49(3):467–491, September 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003166728321>.

**Gao:1997:SIS**

- [2035] Jiti Gao and Hua Liang. Statistical inference in single-index and partially nonlinear models. *Annals of the Institute of Statistical Mathematics*, 49(3):493–517, September 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003118812392>.

**Balakrishnan:1997:JDN**

- [2036] N. Balakrishnan. Joint distributions of numbers of success-runs and failures until the first consecutive  $k$  successes in a binary sequence. *Annals of the Institute of Statistical Mathematics*, 49(3):519–529, September 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003170829230>.

**Antzoulakos:1997:PDF**

- [2037] Demetrios L. Antzoulakos and Andreas N. Philippou. Probability dis-



tribution functions of succession quotas in the case of Markov dependent trials. *Annals of the Institute of Statistical Mathematics*, 49(3): 531–539, September 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003123013300>.

**Wu:1997:DMF**

- [2038] Eden K. H. Wu and P. S. Chan. Distributions minimizing Fisher information for location in Kolmogorov neighbourhoods. *Annals of the Institute of Statistical Mathematics*, 49(3): 541–554, September 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003175030138>.

**Baringhaus:1997:CCP**

- [2039] Ludwig Baringhaus and Rudolf Grübel. On a class of characterization problems for random convex combinations. *Annals of the Institute of Statistical Mathematics*, 49(3):555–567, September 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003127114209>.

**Stepniak:1997:CNL**

- [2040] Czesław Stepniak. Comparison of normal linear experiments by quadratic forms. *Annals of the Institute of Statistical Mathematics*, 49(3):569–584, September 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003179131047>.

**Larsson:1997:AES**

- [2041] Rolf Larsson. On the asymptotic expectations of some unit root tests in a first order autoregressive process in the presence of trend. *Annals of the Institute of Statistical Mathematics*, 49(3):585–599, September 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003131215117>.

**Anonymous:1997:HCc**

- [2042] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 49(3):??, September 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Copas:1997:FND**

- [2043] J. B. Copas and C. B. Stride. Fitting a normal distribution when the model is wrong. *Annals of the Institute of Statistical Mathematics*, 49(4):601–614, December 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003220407410>.

**Falk:1997:MC**

- [2044] Michael Falk. On mad and comedians. *Annals of the Institute of Statistical Mathematics*, 49(4):615–644, December 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003258024248>.

**Marohn:1997:LAN**

- [2045] Frank Marohn. Local asymptotic normality in extreme value index esti-



mation. *Annals of the Institute of Statistical Mathematics*, 49(4):645–666, December 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003210125157>.

**Bingham:1997:EDC**

- [2046] N. H. Bingham and Bruce Dunham. Estimating diffusion coefficients from count data: Einstein–Smoluchowski theory revisited. *Annals of the Institute of Statistical Mathematics*, 49(4):667–679, December 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003214209227>.

**Son:1997:CTI**

- [2047] M. S. Son, L. D. Haugh, H. I. Hamdy, and M. C. Costanza. Controlling type II error while constructing triple sampling fixed precision confidence intervals for the normal mean. *Annals of the Institute of Statistical Mathematics*, 49(4):681–692, December 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003266326065>.

**Lingham:1997:THA**

- [2048] Rama T. Lingham and S. Sivaganesan. Testing hypotheses about the power law process under failure truncation using intrinsic Bayes factors. *Annals of the Institute of Statistical Mathematics*, 49(4):693–710, December 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003218410136>.

[springer.com/article/10.1023/A%3A1003218410136](http://link.springer.com/article/10.1023/A%3A1003218410136).

**Goutis:1997:RBP**

- [2049] Constantinos Goutis and George Casella. Relationships between post-data accuracy measures. *Annals of the Institute of Statistical Mathematics*, 49(4):711–726, December 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003270426974>.

**Papadatos:1997:EBE**

- [2050] Nickos Papadatos. Exact bounds for the expectations of order statistics from non-negative populations. *Annals of the Institute of Statistical Mathematics*, 49(4):727–736, December 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003222527882>.

**Maejima:1997:MLL**

- [2051] Makoto Maejima. Moments of limits of lightly trimmed sums of random vectors in the generalized domain of normal attraction of non-Gaussian operator-stable laws. *Annals of the Institute of Statistical Mathematics*, 49(4):737–747, December 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003226611953>.

**Shenton:1997:RDU**

- [2052] L. R. Shenton and K. O. Bowman. Replenishment-depletion urn in equilibrium. *Annals of the Institute of Statistical Mathematics*, 49(4):749–760,



- December 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003278628791>.
- Caussin:1997:CLM**
- [2053] Henri Caussin and Faouzi Lyazrhi. Choosing a linear model with a random number of change-points and outliers. *Annals of the Institute of Statistical Mathematics*, 49(4):761–775, December 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003230713770>.
- Hallin:1997:BET**
- [2054] Marc Hallin and Khalid Rifi. A Berry-Esséen theorem for serial rank statistics. *Annals of the Institute of Statistical Mathematics*, 49(4):777–799, December 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003286814679>.
- Anonymous:1997:HCd**
- [2055] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 49(4):??, December 1997. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).
- Shimodaira:1998:AMC**
- [2056] Hidetoshi Shimodaira. An application of multiple comparison techniques to model selection. *Annals of the Institute of Statistical Mathematics*, 50(1):1–13, March 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003483128844>.
- Ebrahimi:1998:EFP**
- [2057] Nader Ebrahimi. Estimating the finite population versions of mean residual life-time function and hazard function using Bayes method. *Annals of the Institute of Statistical Mathematics*, 50(1):15–27, March 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003493112915>.
- Larsson:1998:OET**
- [2058] Rolf Larsson. The order of the error term for moments of the log likelihood ratio unit root test in an autoregressive process. *Annals of the Institute of Statistical Mathematics*, 50(1):29–48, March 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003445229753>.
- Takahasi:1998:DBO**
- [2059] Koiti Takahasi and Masao Futatsuya. Dependence between order statistics in samples from finite population and its application to ranked set sampling. *Annals of the Institute of Statistical Mathematics*, 50(1):49–70, March 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003497213823>.
- Arcones:1998:BKR**
- [2060] Miguel A. Arcones. The Bahadur-Kiefer representation of the two di-



mensional spatial medians. *Annals of the Institute of Statistical Mathematics*, 50(1):71–86, March 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003449330662>.

**Arcones:1998:SOR**

- [2061] Miguel A. Arcones. Second order representations of the least absolute deviation regression estimator. *Annals of the Institute of Statistical Mathematics*, 50(1):87–117, March 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003401414732>.

**Zheng:1998:SFW**

- [2062] Shen Zheng, T. N. Sriram, and Andrew F. Seila. Sequential fixed-width confidence interval for the product of two means. *Annals of the Institute of Statistical Mathematics*, 50(1):119–145, March 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003453431570>.

**Tsimikas:1998:AMU**

- [2063] John V. Tsimikas and Johannes Ledolter. Analysis of multi-unit variance components models with state space profiles. *Annals of the Institute of Statistical Mathematics*, 50(1):147–164, March 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003405615641>.

**Mohapl:1998:MLE**

- [2064] Jaroslav Mohapl. On maximum likelihood estimation for Gaussian spatial autoregression models. *Annals of the Institute of Statistical Mathematics*, 50(1):165–186, March 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003457632479>.

**Benn:1998:RFB**

- [2065] A. G. Benn and R. J. Kulperger. A remark on a Fourier bounding method of proof for convergence of sums of periodograms. *Annals of the Institute of Statistical Mathematics*, 50(1):187–202, March 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003409716549>.

**Anonymous:1998:HCa**

- [2066] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 50(1):??, March 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Uchida:1998:JDN**

- [2067] Masayuki Uchida. Joint distributions of numbers of success-runs until the first consecutive  $k$  successes in a higher-order two-state Markov chain. *Annals of the Institute of Statistical Mathematics*, 50(2):203–222, June 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003489713112>.



**Zhang:1998:DSS**

- [2068] Jian Zhang. Data sphering: Some properties and applications. *Annals of the Institute of Statistical Mathematics*, 50(2):223–240, June 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003482914021>.

**Nel:1998:DBF**

- [2069] D. G. Nel and I. Pienaar. The decomposition of the Behrens–Fisher statistic in  $q$ -dimensional common principal component submodels. *Annals of the Institute of Statistical Mathematics*, 50(2):241–252, June 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003487030859>.

**Dette:1998:SGF**

- [2070] Holger Dette and Axel Munk. A simple goodness-of-fit test for linear models under a random design assumption. *Annals of the Institute of Statistical Mathematics*, 50(2):253–275, June 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003439114929>.

**Wei:1998:TVD**

- [2071] Bo-Cheng Wei, Jian-Qing Shi, Wing-Kam Fung, and Yue-Qing Hu. Testing for varying dispersion in exponential family nonlinear models. *Annals of the Institute of Statistical Mathematics*, 50(2):277–294, June 1998. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003491131768>.

**Zografos:1998:DSD**

- [2072] K. Zografos.  $f$ -Dissimilarity of several distributions in testing statistical hypotheses. *Annals of the Institute of Statistical Mathematics*, 50(2):295–310, June 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003443215838>.

**Chen:1998:STW**

- [2073] Yuh-Ing Chen. Simple-tree weighted logrank tests for right-censored data. *Annals of the Institute of Statistical Mathematics*, 50(2):311–324, June 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003495232676>.

**Takada:1998:NPB**

- [2074] Yoshikazu Takada. The nonexistence of procedures with bounded performance characteristics in certain parametric inference problems. *Annals of the Institute of Statistical Mathematics*, 50(2):325–335, June 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003447316747>.

**Datta:1998:ITP**

- [2075] Somnath Datta and William P. McCormick. Inference for the tail parameters of a linear process with heavy tail innovations. *Annals of the Institute of Statistical Mathematics*, 50



- (2):337–359, June 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003499300817>.
- Takahashi:1998:PMS**
- [2076] Rinya Takahashi and Masaaki Sibuya. Prediction of the maximum size in Wickseil’s corpuscle problem. *Annals of the Institute of Statistical Mathematics*, 50(2):361–377, June 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003451417655>.
- Ogata:1998:STP**
- [2077] Yoshihiko Ogata. Space-time point-process models for earthquake occurrences. *Annals of the Institute of Statistical Mathematics*, 50(2):379–402, June 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003403601725>.
- Anonymous:1998:HCb**
- [2078] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 50(2):??, June 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).
- Achcar:1998:UMC**
- [2079] Jorge A. Achcar and Roseli A. Leandro. Use of Markov chain Monte Carlo methods in a Bayesian analysis of the block and Basu bivariate exponential distribution. *Annals of the Institute of Statistical Mathematics*, 50(3):403–416, September 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003582409664>.
- Leung:1998:CAL**
- [2080] Chi-Ying Leung. The covariance adjusted location linear discriminant function for classifying data with unequal dispersion matrices in different locations. *Annals of the Institute of Statistical Mathematics*, 50(3):417–431, September 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003517226502>.
- Corcuera:1998:CMR**
- [2081] J. M. Corcuera and F. Giummolè. A characterization of monotone and regular divergences. *Annals of the Institute of Statistical Mathematics*, 50(3):433–450, September 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003569210573>.
- Maesono:1998:ACS**
- [2082] Yoshihiko Maesono. Asymptotic comparisons of several variance estimators and their effects for Studentizations. *Annals of the Institute of Statistical Mathematics*, 50(3):451–470, September 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003521327411>.
- Dumbgen:1998:TFS**
- [2083] Lutz Dümbgen. On Tyler’s  $M$ -functional of scatter in high dimen-



- sion. *Annals of the Institute of Statistical Mathematics*, 50(3):471–491, September 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003573311481>.
- Höpfner:1998:MDE**
- [2084] R. Höpfner and Yu. A. Kutoyants. On minimum distance estimation in recurrent Markov step processes II. *Annals of the Institute of Statistical Mathematics*, 50(3):493–502, September 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003525428320>.
- Pak:1998:MDE**
- [2085] Ro Jin Pak and Ayanendranath Basu. Minimum disparity estimation in linear regression models: Distribution and efficiency. *Annals of the Institute of Statistical Mathematics*, 50(3):503–521, September 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003577412390>.
- Leung:1998:ESM**
- [2086] Pui Lam Leung and Wai Yin Chan. Estimation of the scale matrix and its eigenvalues in the Wishart and the multivariate  $F$  distributions. *Annals of the Institute of Statistical Mathematics*, 50(3):523–530, September 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003529529228>.
- Krishnamoorthy:1998:SST**
- [2087] K. Krishnamoorthy and Maruthy K. Pannala. Some simple test procedures for normal mean vector with incomplete data. *Annals of the Institute of Statistical Mathematics*, 50(3):531–542, September 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003581513299>.
- Wesolowski:1998:DPE**
- [2088] Jacek Wesolowski and Mohammad Ahsanullah. Distributional properties of exceedance statistics. *Annals of the Institute of Statistical Mathematics*, 50(3):543–565, September 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003533730137>.
- DelCastillo:1998:WPD**
- [2089] Joan Del Castillo and Marta Pérez-Casany. Weighted Poisson distributions for overdispersion and underdispersion situations. *Annals of the Institute of Statistical Mathematics*, 50(3):567–585, September 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003585714207>.
- Uchida:1998:NOS**
- [2090] Masayuki Uchida. On number of occurrences of success runs of specified length in a higher-order two-state Markov chain. *Annals of the Institute of Statistical Mathematics*, 50(3):587–601, September 1998. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003537831046>.

**Anonymous:1998:HCc**

- [2091] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 50(3):??, September 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Matsunawa:1998:PSU**

- [2092] T. Matsunawa. Parametric statistical uncertainty relations and parametric statistical fundamental equations. *Annals of the Institute of Statistical Mathematics*, 50(4):603–626, December 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003715611735>.

**Vu:1998:APC**

- [2093] H. T. V. Vu, R. A. Maller, and X. Zhou. Asymptotic properties of a class of mixture models for failure data: The interior and boundary cases. *Annals of the Institute of Statistical Mathematics*, 50(4):627–653, December 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003704728573>.

**Uchida:1998:GFW**

- [2094] Masayuki Uchida. On generating functions of waiting time problems for sequence patterns of discrete random variables. *Annals of the Institute of Statistical Mathematics*, 50(4):655–671, December 1998. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003756712643>.

**Jensen:1998:LDO**

- [2095] Jens Ledet Jensen and Andrew T. A. Wood. Large deviation and other results for minimum contrast estimators. *Annals of the Institute of Statistical Mathematics*, 50(4):673–695, December 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003708829482>.

**Brown:1998:CLS**

- [2096] Bruce M. Brown and Song Xi Chen. Combined and least squares empirical likelihood. *Annals of the Institute of Statistical Mathematics*, 50(4):697–714, December 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003760813552>.

**Sengupta:1998:BEA**

- [2097] Ashis Sengupta and Ranjan Maitra. On best equivariance and admissibility of simultaneous MLE for mean direction vectors of several Langevin distributions. *Annals of the Institute of Statistical Mathematics*, 50(4):715–727, December 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003712930390>.

**Vilar-Fernandez:1998:RER**

- [2098] J. A. Vilar-Fernández and J. M. Vilar-Fernández. Recursive estimation of



regression functions by local polynomial fitting. *Annals of the Institute of Statistical Mathematics*, 50(4): 729–754, December 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003764914460>.

**Gu:1998:ALI**

- [2099] Hong Gu and Wing K. Fung. Assessing local influence in canonical correlation analysis. *Annals of the Institute of Statistical Mathematics*, 50(4):755–772, December 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003717031299>.

**Pal:1998:ECM**

- [2100] Nabendu Pal and Wooi K. Lim. Estimation of the coefficient of multiple determination. *Annals of the Institute of Statistical Mathematics*, 50(4):773–788, December 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003769115369>.

**Chang:1998:SSM**

- [2101] Yen-Chang Chang and Lii-Yuh Leu. A state space model for software reliability. *Annals of the Institute of Statistical Mathematics*, 50(4):789–799, December 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003721232207>.

**Anonymous:1998:HCd**

- [2102] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 50(4):??, December 1998. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Aki:1999:DRC**

- [2103] Sigeo Aki. Distributions of runs and consecutive systems on directed trees. *Annals of the Institute of Statistical Mathematics*, 51(1):1–15, March 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003877016437>.

**Aki:1999:SLW**

- [2104] Sigeo Aki and Katuomi Hirano. Sooner and later waiting time problems for runs in Markov dependent bivariate trials. *Annals of the Institute of Statistical Mathematics*, 51(1):17–29, March 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003874900507>.

**Shao:1999:SCM**

- [2105] Yongzhao Shao and Marjorie G. Hahn. Strong consistency of the maximum product of spacings estimates with applications in nonparametrics and in estimation of unimodal densities. *Annals of the Institute of Statistical Mathematics*, 51(1):31–49, March 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003827017345>.



**Sanchez-Sellero:1999:BSD**

- [2106] C. Sánchez-Sellero, W. González-Manteiga, and R. Cao. Bandwidth selection in density estimation with truncated and censored data. *Annals of the Institute of Statistical Mathematics*, 51(1):51–70, March 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003879001416>.

**Bingham:1999:NPE**

- [2107] N. H. Bingham and Susan M. Pitts. Non-parametric estimation for the  $M/G/\infty$  queue. *Annals of the Institute of Statistical Mathematics*, 51(1):71–97, March 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003831118254>.

**Takagi:1999:PIR**

- [2108] Yoshiji Takagi. Parametrization invariance with respect to second order admissibility under mean squared error. *Annals of the Institute of Statistical Mathematics*, 51(1):99–110, March 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003883202324>.

**Vidakovic:1999:LVN**

- [2109] Brani Vidakovic. Linear versus non-linear rules for mixture normal priors. *Annals of the Institute of Statistical Mathematics*, 51(1):111–124, March 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052

(electronic). URL <http://link.springer.com/article/10.1023/A%3A1003835319163>.

**Delicado:1999:GFT**

- [2110] Pedro Delicado and Juan Romo. Goodness of fit tests in random coefficient regression models. *Annals of the Institute of Statistical Mathematics*, 51(1):125–148, March 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003887303233>.

**Karlis:1999:TNC**

- [2111] Dimitris Karlis and Evdokia Xekalaki. On testing for the number of components in a mixed Poisson model. *Annals of the Institute of Statistical Mathematics*, 51(1):149–162, March 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003839420071>.

**Clarke:1999:AEP**

- [2112] Bertrand Clarke and Dongchu Sun. Asymptotics of the expected posterior. *Annals of the Institute of Statistical Mathematics*, 51(1):163–185, March 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003891404142>.

**Wu:1999:SOE**

- [2113] Yanhong Wu. Second order expansions for the moments of minimum point of an unbalanced two-sided normal random walk. *Annals of the Institute of Statistical Mathematics*, 51



- (1):187–200, March 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003843520980>.
- Anonymous:1999:HCa**
- [2114] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 51(1):??, March 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).
- Godambe:1999:LBO**
- [2115] V. P. Godambe. Linear Bayes and optimal estimation. *Annals of the Institute of Statistical Mathematics*, 51(2):201–215, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003893706155>.
- Basu:1999:CCI**
- [2116] Sanjib Basu. Conservatism of the  $z$  confidence interval under symmetric and asymmetric departures from normality. *Annals of the Institute of Statistical Mathematics*, 51(2):217–230, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003849922993>.
- Gijbels:1999:EJP**
- [2117] Irene Gijbels, Peter Hall, and Aloïs Kneip. On the estimation of jump points in smooth curves. *Annals of the Institute of Statistical Mathematics*, 51(2):231–251, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003802007064>.
- Shi:1999:MEM**
- [2118] Daoji Shi and Shengsheng Zhou. Moment estimation for multivariate extreme value distribution in a nested logistic model. *Annals of the Institute of Statistical Mathematics*, 51(2):253–264, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003854023902>.
- Helmert:1999:EPI**
- [2119] Roelof Helmers and Ricardas Zitikis. On estimation of Poisson intensity functions. *Annals of the Institute of Statistical Mathematics*, 51(2):265–280, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003806107972>.
- Huang:1999:EBP**
- [2120] Wen-Tao Huang and Yao-Tsung Lai. Empirical Bayes procedures for selecting the best population with multiple criteria. *Annals of the Institute of Statistical Mathematics*, 51(2):281–299, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003858124810>.
- Saha:1999:DEU**
- [2121] Krishna K. Saha and B. C. Sutradhar. On the distribution of the extremes of unequally correlated normal variables with applications to antedependent cluster data. *Annals of*



*the Institute of Statistical Mathematics*, 51(2):301–322, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003810208881>.

**Antzoulakos:1999:WTP**

- [2122] Demetrios L. Antzoulakos. On waiting time problems associated with runs in Markov dependent trials. *Annals of the Institute of Statistical Mathematics*, 51(2):323–330, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003862225719>.

**Kottas:1999:BDP**

- [2123] Athanasios Kottas, Konstantinos Adamidis, and Sotirios Loukas. Bivariate distributions with Pearson type VII conditionals. *Annals of the Institute of Statistical Mathematics*, 51(2):331–344, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003814309789>.

**Huang:1999:EDC**

- [2124] J. S. Huang and G. D. Lin. Equality in distribution in a convex ordering family. *Annals of the Institute of Statistical Mathematics*, 51(2):345–349, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003866326628>.

**Barakat:1999:MBO**

- [2125] H. M. Barakat. On moments of bivariate order statistics. *Annals of the*

*Institute of Statistical Mathematics*, 51(2):351–358, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003818410698>.

**Aly:1999:FET**

- [2126] Emad-Eldin A. A. Aly and Nadjib Bouzar. On the first entry time of a  $Z_+$ -valued AR(1) process. *Annals of the Institute of Statistical Mathematics*, 51(2):359–367, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003870427536>.

**Alsmeyer:1999:LTS**

- [2127] Gerold Alsmeyer and Allan Gut. Limit theorems for stopped functionals of Markov renewal processes. *Annals of the Institute of Statistical Mathematics*, 51(2):369–382, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003822611607>.

**Lee:1999:CTD**

- [2128] Andy H. Lee and John S. Yick. Covariate transformation diagnostics for generalized linear models. *Annals of the Institute of Statistical Mathematics*, 51(2):383–398, June 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003874628445>.

**Anonymous:1999:HCh**

- [2129] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 51(2):??, June 1999. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Kleibergen:1999:OPS**

- [2130] Frank Kleibergen, Herman K. van Dijk, and Jean-Pierre Urbain. Oil price shocks and long run price and import demand behavior. *Annals of the Institute of Statistical Mathematics*, 51(3):399–417, September 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003978303477>.

**Han:1999:JDR**

- [2131] Qing Han and Sigeo Aki. Joint distributions of runs in a sequence of multi-state trials. *Annals of the Institute of Statistical Mathematics*, 51(3):419–447, September 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003941920316>.

**Maejima:1999:CPA**

- [2132] Makoto Maejima and Gennady Samorodnitsky. Certain probabilistic aspects of semistable laws. *Annals of the Institute of Statistical Mathematics*, 51(3):449–462, September 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003993904386>.

**Pazman:1999:SPI**

- [2133] Andrej Pázman. Some properties and improvements of the saddlepoint approximation in nonlinear regression. *Annals of the Institute of Statistical Mathematics*, 51(3):463–478,

September 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003946021224>.

**Ghosal:1999:APD**

- [2134] Subhashis Ghosal, Jayanta K. Ghosh, and Tapas Samanta. Approximation of the posterior distribution in a change-point problem. *Annals of the Institute of Statistical Mathematics*, 51(3):479–497, September 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003998005295>.

**Basu:1999:PSS**

- [2135] Sanjib Basu. Posterior sensitivity to the sampling distribution and the prior: More than one observation. *Annals of the Institute of Statistical Mathematics*, 51(3):499–513, September 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003950122133>.

**Aerts:1999:BPM**

- [2136] Marc Aerts and Gerda Claeskens. Bootstrapping pseudolikelihood models for clustered binary data. *Annals of the Institute of Statistical Mathematics*, 51(3):515–530, September 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003902206203>.



**Ardanuy:1999:WEW**

- [2137] Ramón Ardanuy, J. López-Fidalgo, Patrick J. Laycock, and Weng Kee Wong. When is an equally-weighted design  $D$ -optimal? *Annals of the Institute of Statistical Mathematics*, 51(3):531–540, September 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003954207112>.

**Fraiman:1999:CB**

- [2138] Ricardo Fraiman and Jean Meloche. Counting bumps. *Annals of the Institute of Statistical Mathematics*, 51(3):541–569, September 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003958323950>.

**Gupta:1999:PIE**

- [2139] Ramesh C. Gupta, S. Ramakrishnan, and Xingwang Zhou. Point and interval estimation of  $P(X < Y)$ : The normal case with common coefficient of variation. *Annals of the Institute of Statistical Mathematics*, 51(3):571–584, September 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003910408020>.

**Kim:1999:MTN**

- [2140] Hea-Jung Kim. A method for testing nested point null hypotheses using multiple Bayes factor. *Annals of the Institute of Statistical Mathematics*, 51(3):585–602, September 1999. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1003962424859>.

**Anonymous:1999:HCc**

- [2141] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 51(3):??, September 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Wang:1999:NEF**

- [2142] Jinpang Wang. Nonconservative estimating functions and approximate quasi-likelihoods. *Annals of the Institute of Statistical Mathematics*, 51(4):603–619, December 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004096728035>.

**Mukhopadhyay:1999:TSP**

- [2143] Nitis Mukhopadhyay and William Duggan. On a two-stage procedure having second-order properties with applications. *Annals of the Institute of Statistical Mathematics*, 51(4):621–636, December 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004074912105>.

**Chen:1999:EBE**

- [2144] Ming-Hui Chen and Qi-Man Shao. Existence of Bayesian estimates for the polychotomous quantal response models. *Annals of the Institute of Statistical Mathematics*, 51(4):637–656, December 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link>.



springer.com/article/10.1023/A%3A1004027028943.

**Assuncao:1999:RIP**

- [2145] Renato Assunção and Peter Guttorp. Robustness for inhomogeneous Poisson point processes. *Annals of the Institute of Statistical Mathematics*, 51(4):657–678, December 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004079013014>.

**Blaker:1999:ACR**

- [2146] Helge Blaker. On adaptive combination of regression estimators. *Annals of the Institute of Statistical Mathematics*, 51(4):679–689, December 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004031129852>.

**Lu:1999:MLP**

- [2147] Zhan-Qian Lu. Multivariate local polynomial fitting for martingale nonlinear regression models. *Annals of the Institute of Statistical Mathematics*, 51(4):691–706, December 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004083213922>.

**Fujikoshi:1999:GCM**

- [2148] Yasunori Fujikoshi, Takashi Kanda, and Megu Ohtaki. Growth curve model with hierarchical within-individuals design matrices. *Annals of the Institute of Statistical Mathematics*, 51(4):707–721, December 1999. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004035330761>.

**Schwabe:1999:EBP**

- [2149] Rainer Schwabe and Weng Kee Wong. Efficiency bounds for product designs in linear models. *Annals of the Institute of Statistical Mathematics*, 51(4):723–730, December 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004087314831>.

**Fotopoulos:1999:EB A**

- [2150] Stergios B. Fotopoulos and Lijian He. Error bounds for asymptotic expansion of the conditional variance of the scale mixtures of the multivariate normal distribution. *Annals of the Institute of Statistical Mathematics*, 51(4):731–747, December 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004039431669>.

**Hwang:1999:CGD**

- [2151] Tea-Yuan Hwang and Chin-Yuan Hu. On a characterization of the gamma distribution: The independence of the sample mean and the sample coefficient of variation. *Annals of the Institute of Statistical Mathematics*, 51(4):749–753, December 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004091415740>.

**Pfanzagl:1999:RLD**

- [2152] J. Pfanzagl. On rates and limit distributions. *Annals of the Insti-*



- tute of Statistical Mathematics*, 51(4): 755–778, December 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004043532578>.
- Misawa:1999:CQS**
- [2153] Tetsuya Misawa. Conserved quantities and symmetries related to stochastic dynamical systems. *Annals of the Institute of Statistical Mathematics*, 51(4):779–802, December 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004095516648>.
- Anonymous:1999:HCd**
- [2154] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 51(4):??, December 1999. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).
- Kuriki:2000:SGC**
- [2155] Satoshi Kuriki and Akimichi Takemura. Some geometry of the cone of nonnegative definite matrices and weights of associated  $X^2$  distribution. *Annals of the Institute of Statistical Mathematics*, 52(1):1–14, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004191713375>.
- Huimei:2000:UMP**
- [2156] Liu Huimei. Uniformly more powerful, two-sided tests for hypotheses about linear inequalities. *Annals of the Institute of Statistical Mathematics*, 52(1):15–27, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004176730214>.
- Rousseau:2000:CPO**
- [2157] Judith Rousseau. Coverage properties of one-sided intervals in the discrete case and application to matching priors. *Annals of the Institute of Statistical Mathematics*, 52(1):28–42, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004128814284>.
- Bar-Hen:2000:CLF**
- [2158] A. Bar-Hen and H. Kishino. Comparing the likelihood functions of phylogenetic trees. *Annals of the Institute of Statistical Mathematics*, 52(1):43–56, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004180831122>.
- Vidoni:2000:MSU**
- [2159] Paolo Vidoni. Model selection using the estimative and the approximate  $p^*$  predictive densities. *Annals of the Institute of Statistical Mathematics*, 52(1):57–70, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004132915192>.
- Bhattacharyya:2000:TUR**
- [2160] B. B. Bhattacharyya, X. Li, M. Pensky, and G. D. Richardson. Testing for unit roots in a nearly nonstationary spatial autoregressive process. *Annals*



of the *Institute of Statistical Mathematics*, 52(1):71–83, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004184932031>.

**Mohapl:2000:SAD**

- [2161] Jaroslav Mohapl. A stochastic advection–diffusion model for the rocky flats soil plutonium data. *Annals of the Institute of Statistical Mathematics*, 52(1):84–107, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004137016101>.

**Grillenzoni:2000:TVP**

- [2162] Carlo Grillenzoni. Time-varying parameters prediction. *Annals of the Institute of Statistical Mathematics*, 52(1):108–122, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004189000171>.

**Feuerverger:2000:PET**

- [2163] Andrey Feuerverger and Yehuda Vardi. Positron emission tomography and random coefficients regression. *Annals of the Institute of Statistical Mathematics*, 52(1):123–138, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004141117010>.

**Paparoditis:2000:LBK**

- [2164] Efsthios Paparoditis and Dimitris N. Politis. The local bootstrap for kernel estimators under general depen-

dence conditions. *Annals of the Institute of Statistical Mathematics*, 52(1):139–159, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004193117918>.

**Datta:2000:CAN**

- [2165] Somnath Datta, Glen A. Satten, and John M. Williamson. Consistency and asymptotic normality of estimators in a proportional hazards model with interval censoring and left truncation. *Annals of the Institute of Statistical Mathematics*, 52(1):160–172, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004197201989>.

**Bhapkar:2000:OEB**

- [2166] Vasant P. Bhapkar. On the optimality of estimators based on  $P$ -sufficient statistics. *Annals of the Institute of Statistical Mathematics*, 52(1):173–183, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004149318827>.

**Balakrishnan:2000:SDT**

- [2167] N. Balakrishnan and P. S. Chan. Start-up demonstration tests with rejection of units upon observing  $d$  failures. *Annals of the Institute of Statistical Mathematics*, 52(1):184–196, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004101402897>.



**Anonymous:2000:HCa**

- [2168] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 52(1):??, March 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Yamada:2000:QAO**

- [2169] Tomoya Yamada and Tadashi Matsunawa. Quantitative approximation to the ordered Dirichlet distribution under varying basic probability spaces. *Annals of the Institute of Statistical Mathematics*, 52(2):197–214, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004153419736>.

**Lindsay:2000:MBA**

- [2170] Bruce G. Lindsay, Ramani S. Pilla, and Prasanta Basak. Moment-based approximations of distributions using mixtures: Theory and applications. *Annals of the Institute of Statistical Mathematics*, 52(2):215–230, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004105603806>.

**Kozubowski:2000:EMR**

- [2171] Tomasz J. Kozubowski. Exponential mixture representation of geometric stable distributions. *Annals of the Institute of Statistical Mathematics*, 52(2):231–238, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004157620644>.

**Kaur:2000:OAS**

- [2172] Amarjot Kaur, G. P. Patil, and C. Tailie. Optimal allocation for symmetric distributions in ranked set sampling. *Annals of the Institute of Statistical Mathematics*, 52(2):239–254, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004109704714>.

**Stoimenova:2000:RTB**

- [2173] Eugenia Stoimenova. Rank tests based on exceeding observations. *Annals of the Institute of Statistical Mathematics*, 52(2):255–266, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004161721553>.

**Gurtler:2000:GFT**

- [2174] Nora Gürtler and Norbert Henze. Goodness-of-fit tests for the Cauchy distribution based on the empirical characteristic function. *Annals of the Institute of Statistical Mathematics*, 52(2):267–286, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004113805623>.

**Bühlmann:2000:MSV**

- [2175] Peter Bühlmann. Model selection for variable length Markov chains and tuning the context algorithm. *Annals of the Institute of Statistical Mathematics*, 52(2):287–315, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004157620644>.



[//link.springer.com/article/10.1023/A%3A1004165822461](http://link.springer.com/article/10.1023/A%3A1004165822461).

**Yao:2000:LSE**

- [2176] Jian-Feng Yao. On least squares estimation for stable nonlinear AR processes. *Annals of the Institute of Statistical Mathematics*, 52(2):316–331, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004117906532>.

**Wan:2000:OVM**

- [2177] Alan T. K. Wan and Anoop Chaturvedi. Operational variants of the minimum mean squared error estimator in linear regression models with non-spherical disturbances. *Annals of the Institute of Statistical Mathematics*, 52(2):332–342, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004169923370>.

**Yuan:2000:EEN**

- [2178] Ke-Hai Yuan and Robert I. Jennrich. Estimating equations with nuisance parameters: Theory and applications. *Annals of the Institute of Statistical Mathematics*, 52(2):343–350, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004122007440>.

**Collins:2000:RCS**

- [2179] John R. Collins. Robustness comparisons of some classes of location parameter estimators. *Annals of the Institute of Statistical Mathematics*,

52(2):351–366, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004174024279>.

**Zhong:2000:IAL**

- [2180] Xu-Ping Zhong, Bo-Cheng Wei, and Wing-Kam Fung. Influence analysis for linear measurement error models. *Annals of the Institute of Statistical Mathematics*, 52(2):367–379, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004126108349>.

**Zou:2000:SES**

- [2181] Guohua Zou and Alan T. K. Wan. Simultaneous estimation of several stratum means under error-in-variables superpopulation models. *Annals of the Institute of Statistical Mathematics*, 52(2):380–396, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004178125187>.

**Lin:2000:SOS**

- [2182] Chien-Tai Lin and C. J. Shiau. Some optimal strategies for bandit problems with beta prior distributions. *Annals of the Institute of Statistical Mathematics*, 52(2):397–405, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004130209258>.

**Anonymous:2000:HCB**

- [2183] Anonymous. Help & contacts. *Annals of the Institute of Statistical Math-*



*ematics*, 52(2):??, June 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Han:2000:SLW**

- [2184] Qing Han and Sigeo Aki. Sooner and later waiting time problems based on a dependent sequence. *Annals of the Institute of Statistical Mathematics*, 52(3):407–414, September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004182030590>.

**Fu:2000:JDR**

- [2185] James C. Fu and W. Y. Wendy Lou. Joint distribution of rises and falls. *Annals of the Institute of Statistical Mathematics*, 52(3):415–425, September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004148814661>.

**Garren:2000:ADE**

- [2186] Steven T. Garren. Asymptotic distribution of estimated affinity between multiparameter exponential families. *Annals of the Institute of Statistical Mathematics*, 52(3):426–437, September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004100931499>.

**Yuan:2000:BDR**

- [2187] Lin Yuan and John D. Kalbfleisch. On the Bessel distribution and related problems. *Annals of the Institute of Statistical Mathematics*, 52(3):438–447, September 2000. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004152916478>.

**Bairamov:2000:CPE**

- [2188] Ismihan G. Bairamov. On the characteristic properties of exponential distribution. *Annals of the Institute of Statistical Mathematics*, 52(3):448–458, September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004109117386>.

**Honda:2000:NEC**

- [2189] Toshio Honda. Nonparametric estimation of a conditional quantile for  $\alpha$ -mixing processes. *Annals of the Institute of Statistical Mathematics*, 52(3):459–470, September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004113201457>.

**Chen:2000:PDF**

- [2190] Song Xi Chen. Probability density function estimation using gamma kernels. *Annals of the Institute of Statistical Mathematics*, 52(3):471–480, September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004165218295>.

**Seidel:2000:CNL**

- [2191] Wilfried Seidel, Karl Mosler, and Manfred Alker. A cautionary note on likelihood ratio tests in mixture models. *Annals of the Institute of Statistical Mathematics*, 52(3):481–487,



September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004117419204>.

**Larocque:2000:BST**

- [2192] Denis Larocque, Serge Tardif, and Constance van Eeden. Bivariate sign tests based on the Sup,  $L_1$  and  $L_2$  norms. *Annals of the Institute of Statistical Mathematics*, 52(3):488–506, September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004121503274>.

**Hall:2000:RBP**

- [2193] Peter Hall, Brett Presnell, and Berwin A. Turlach. Reducing bias without prejudicing sign. *Annals of the Institute of Statistical Mathematics*, 52(3):507–518, September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004173520112>.

**Wu:2000:TSS**

- [2194] Colin O. Wu, Kai Fun Yu, and Chin-Tsang Chiang. A two-step smoothing method for varying-coefficient models with repeated measurements. *Annals of the Institute of Statistical Mathematics*, 52(3):519–543, September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004125621021>.

**Chung:2000:DAW**

- [2195] Hie-Choon Chung and Chien-Pai Han. Discriminant analysis when a block of observations is missing. *Annals of the Institute of Statistical Mathematics*, 52(3):544–556, September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004129706000>.

**Dette:2000:COD**

- [2196] Holger Dette and Mong-Na Lo Huang. Convex optimal designs for compound polynomial extrapolation. *Annals of the Institute of Statistical Mathematics*, 52(3):557–573, September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004185822838>.

**Dette:2000:UAS**

- [2197] Holger Dette and Yuri Grigoriev. A unified approach to second order optimality criteria in nonlinear design of experiments. *Annals of the Institute of Statistical Mathematics*, 52(3):574–597, September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1004137906908>.

**Anonymous:2000:HCc**

- [2198] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 52(3):??, September 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).



**Honda:2000:NDE**

- [2199] Toshio Honda. Nonparametric density estimation for a long-range dependent linear process. *Annals of the Institute of Statistical Mathematics*, 52(4):599–611, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017504723799>.

**Zhang:2000:BBC**

- [2200] Shunpu Zhang and Rohana J. Karunamuni. Boundary bias correction for nonparametric deconvolution. *Annals of the Institute of Statistical Mathematics*, 52(4):612–629, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017564907869>.

**Mehra:2000:LIL**

- [2201] K. L. Mehra, Y. S. Ramakrishnaiah, and P. Sashikala. Laws of iterated logarithm and related asymptotics for estimators of conditional density and mode. *Annals of the Institute of Statistical Mathematics*, 52(4):630–645, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017517124707>.

**Martinsek:2000:SEM**

- [2202] Adam T. Martinsek. Sequential estimation of the maximum in a model for corrosion data. *Annals of the Institute of Statistical Mathematics*, 52(4):646–657, December 2000. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017569108778>.

**Bischoff:2000:AOT**

- [2203] Wolfgang Bischoff and Frank Miller. Asymptotically optimal tests and optimal designs for testing the mean in regression models with applications to change-point problems. *Annals of the Institute of Statistical Mathematics*, 52(4):658–679, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017521225616>.

**Pan:2000:NMC**

- [2204] Guohua Pan. Nonparametric methods for checking the validity of prior order information. *Annals of the Institute of Statistical Mathematics*, 52(4):680–697, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017573209686>.

**Gimenez:2000:HTE**

- [2205] Patricia Gimenez, Heleno Bolfarine, and Enrico A. Colosimo. Hypotheses testing for error-in-variables models. *Annals of the Institute of Statistical Mathematics*, 52(4):698–711, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017525326525>.

**Xiao:2000:LUP**

- [2206] Yushan Xiao. Linex unbiasedness in a prediction problem. *Annals of the Institute of Statistical Mathematics*, 52



(4):712–721, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017577310595>.

**Lee:2000:JBA**

- [2207] Sik-Yum Lee and Jian-Qing Shi. Joint Bayesian analysis of factor scores and structural parameters in the factor analysis model. *Annals of the Institute of Statistical Mathematics*, 52(4): 722–736, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017529427433>.

**Pan:2000:BIA**

- [2208] Jian-Xin Pan and Wing-Kam Fung. Bayesian influence assessment in the growth curve model with unstructured covariance. *Annals of the Institute of Statistical Mathematics*, 52(4):737–752, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017581411504>.

**Gu:2000:IDC**

- [2209] Hong Gu and Wing K. Fung. Influence diagnostics in the common canonical variates model. *Annals of the Institute of Statistical Mathematics*, 52(4):753–766, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017533528342>.

**Aki:2000:NSR**

- [2210] Sigeo Aki and Katuomi Hirano. Numbers of success-runs of specified length

until certain stopping time rules and generalized binomial distributions of order  $k$ . *Annals of the Institute of Statistical Mathematics*, 52(4):767–777, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017585512412>.

**Han:2000:WTP**

- [2211] Qing Han and Sigeo Aki. Waiting time problems in a two-state Markov chain. *Annals of the Institute of Statistical Mathematics*, 52(4): 778–789, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017537629251>.

**Aly:2000:GID**

- [2212] Emad-Eldin A. A. Aly and Nadjib Bouzar. On geometric infinite divisibility and stability. *Annals of the Institute of Statistical Mathematics*, 52(4):790–799, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017589613321>.

**Anonymous:2000:HCd**

- [2213] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 52(4):??, December 2000. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Professor:2001:GSM**

- [2214] H. Akaike Emeritus Professor. Golf swing motion analysis: An experiment on the use of verbal analysis



- in statistical reasoning. *Annals of the Institute of Statistical Mathematics*, 53(1):1–10, March 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017952001329>.
- Kitagawa:2001:SIN**
- [2215] Genshiro Kitagawa and Tomoyuki Higuchi. Special issue on nonlinear non-Gaussian models and related filtering methods. *Annals of the Institute of Statistical Mathematics*, 53(1):3, March 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1023/A%3A1017947900421>.
- Fahrmeir:2001:BSR**
- [2216] Ludwig Fahrmeir and Stefan Lang. Bayesian semiparametric regression analysis of multicategorical time-space data. *Annals of the Institute of Statistical Mathematics*, 53(1):11–30, March 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017904118167>.
- Fruhwirth-Schnatter:2001:FBA**
- [2217] Sylvia Frühwirth-Schnatter. Fully Bayesian analysis of switching Gaussian state space models. *Annals of the Institute of Statistical Mathematics*, 53(1):31–49, March 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017908219076>.
- Takahashi:2001:MCF**
- [2218] Akihiko Takahashi and Seisho Sato. A Monte Carlo filtering approach for estimating the term structure of interest rates. *Annals of the Institute of Statistical Mathematics*, 53(1):50–62, March 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017964304055>.
- Tanizaki:2001:NNG**
- [2219] Hisashi Tanizaki. Nonlinear and non-Gaussian state space modeling using sampling techniques. *Annals of the Institute of Statistical Mathematics*, 53(1):63–81, March 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017916420893>.
- Godsill:2001:MPS**
- [2220] Simon Godsill, Arnaud Doucet, and Mike West. Maximum a posteriori sequence estimation using Monte Carlo particle filters. *Annals of the Institute of Statistical Mathematics*, 53(1):82–96, March 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017968404964>.
- Bergman:2001:OEC**
- [2221] Niclas Bergman, Arnaud Doucet, and Neil Gordon. Optimal estimation and Cramér–Rao bounds for partial non-Gaussian state space models. *Annals of the Institute of Statistical Mathematics*, 53(1):97–112, March 2001. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017920621802>.

**Brockwell:2001:LDC**

- [2222] P. J. Brockwell. Lévy-driven Carma processes. *Annals of the Institute of Statistical Mathematics*, 53(1):113–124, March 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017972605872>.

**Chandra:2001:EFN**

- [2223] S. Ajay Chandra and Masanobu Taniguchi. Estimating functions for nonlinear time series models. *Annals of the Institute of Statistical Mathematics*, 53(1):125–141, March 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017924722711>.

**Shiohama:2001:SEF**

- [2224] Takayuki Shiohama and Masanobu Taniguchi. Sequential estimation for a functional of the spectral density of a Gaussian stationary process. *Annals of the Institute of Statistical Mathematics*, 53(1):142–158, March 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017976706781>.

**Truong:2001:AWB**

- [2225] Young K. Truong and Prakash N. Patil. Asymptotics for wavelet based estimates of piecewise smooth regression for stationary time series. *Annals of the Institute of Statistical Mathematics*, 53(1):159–178, March 2001. CODEN

AIAXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017928823619>.

**Hardle:2001:WQT**

- [2226] Wolfgang Härdle, Torsten Kleinow, and Rolf Tschernig. Web quantlets for time series analysis. *Annals of the Institute of Statistical Mathematics*, 53(1):179–188, March 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017980807689>.

**Anonymous:2001:HCA**

- [2227] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 53(1):??, March 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Sibuya:2001:OTM**

- [2228] Masaaki Sibuya and Kazuyuki Suzuki. Optimal threshold for the  $k$ -out-of- $n$  monitor with dual failure modes. *Annals of the Institute of Statistical Mathematics*, 53(2):189–202, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012451319428>.

**Kirmani:2001:POM**

- [2229] S. N. U. A. Kirmani and Ramesh C. Gupta. On the proportional odds model in survival analysis. *Annals of the Institute of Statistical Mathematics*, 53(2):203–216, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012451319428>.



[//link.springer.com/article/10.1023/A%3A1012458303498](http://link.springer.com/article/10.1023/A%3A1012458303498).

**Jiang:2001:EBP**

- [2230] Jiming Jiang and P. Lahiri. Empirical best prediction for small area inference with binary data. *Annals of the Institute of Statistical Mathematics*, 53(2):217–243, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012410420337>.

**Kusnier:2001:TBB**

- [2231] Jozef Kusnier and Ivan Mizera. Tail behavior and breakdown properties of equivariant estimators of location. *Annals of the Institute of Statistical Mathematics*, 53(2):244–261, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012462404407>.

**Suzukawa:2001:KLI**

- [2232] Akio Suzukawa, Hideyuki Imai, and Yoshiharu Sato. Kullback–Leibler information consistent estimation for censored data. *Annals of the Institute of Statistical Mathematics*, 53(2):262–276, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012414621245>.

**Menendez:2001:MDE**

- [2233] M. Menéndez, D. Morales, L. Pardo, and I. Vajda. Minimum divergence estimators based on grouped data. *Annals of the Institute of Statistical Mathematics*, 53(2):277–288, June 2001. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012466605316>.

**Belitser:2001:ALM**

- [2234] Eduard Belitser and Boris Levit. Asymptotically local minimax estimation of infinitely smooth density with censored data. *Annals of the Institute of Statistical Mathematics*, 53(2):289–306, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012418722154>.

**Cramer:2001:ESO**

- [2235] Erhard Cramer and Udo Kamps. Estimation with sequential order statistics from exponential distributions. *Annals of the Institute of Statistical Mathematics*, 53(2):307–324, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012470706224>.

**Ebrahimi:2001:TUR**

- [2236] Nader Ebrahimi. Testing for uniformity of the residual life time based on dynamic Kullback–Leibler information. *Annals of the Institute of Statistical Mathematics*, 53(2):325–337, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012085320762>.

**Klar:2001:GFT**

- [2237] Bernhard Klar. Goodness-of-fit tests for the exponential and the normal distribution based on the integrated



distribution function. *Annals of the Institute of Statistical Mathematics*, 53(2):338–353, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012422823063>.

**Ahmed:2001:SES**

- [2238] S. E. Ahmed, A. K. Gupta, S. M. Khan, and C. J. Nicol. Simultaneous estimation of several intraclass correlation coefficients. *Annals of the Institute of Statistical Mathematics*, 53(2):354–369, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012474807133>.

**Gnot:2001:SIL**

- [2239] Stanislaw Gnot, Ewaryst Rafajlowicz, and Agnieszka Urbańska-Motyka. Statistical inference in a linear model for spatially located sensors and random input. *Annals of the Institute of Statistical Mathematics*, 53(2):370–379, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012426923971>.

**Chakraborty:2001:AEM**

- [2240] Biman Chakraborty. On affine equivariant multivariate quantiles. *Annals of the Institute of Statistical Mathematics*, 53(2):380–403, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012478908041>.

**Singh:2001:GCA**

- [2241] Sarjinder Singh. Generalized calibration approach for estimating variance in survey sampling. *Annals of the Institute of Statistical Mathematics*, 53(2):404–417, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012431008950>.

**Montepiedra:2001:NDC**

- [2242] Grace Montepiedra and Weng Kee Wong. A new design criterion when heteroscedasticity is ignored. *Annals of the Institute of Statistical Mathematics*, 53(2):418–426, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1012435125788>.

**Anonymous:2001:HCb**

- [2243] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 53(2):??, June 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Akahira:2001:IIF**

- [2244] Masafumi Akahira and Kei Takeuchi. Information inequalities in a family of uniform distributions. *Annals of the Institute of Statistical Mathematics*, 53(3):427–435, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014685808327>.

**Iliopoulos:2001:DTE**

- [2245] George Iliopoulos. Decision theoretic estimation of the ratio of variances in a



- bivariate normal distribution. *Annals of the Institute of Statistical Mathematics*, 53(3):436–446, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014600625165>.
- Lu:2001:ANK**
- [2246] Zudi Lu. Asymptotic normality of kernel density estimators under dependence. *Annals of the Institute of Statistical Mathematics*, 53(3):447–468, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014652626073>.
- Yu:2001:APS**
- [2247] Qiqing Yu, George Y. C. Wong, and Linxiong Li. Asymptotic properties of self-consistent estimators with mixed interval-censored data. *Annals of the Institute of Statistical Mathematics*, 53(3):469–486, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014656726982>.
- Barakat:2001:ADT**
- [2248] H. M. Barakat. The asymptotic distribution theory of bivariate order statistics. *Annals of the Institute of Statistical Mathematics*, 53(3):487–497, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014660811052>.
- Ren:2001:WEL**
- [2249] Jian-Jian Ren. Weighted empirical likelihood ratio confidence intervals for the mean with censored data. *Annals of the Institute of Statistical Mathematics*, 53(3):498–516, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014612911961>.
- Wang:2001:ELC**
- [2250] Qi-Hua Wang and Bing-Yi Jing. Empirical likelihood for a class of functionals of survival distribution with censored data. *Annals of the Institute of Statistical Mathematics*, 53(3):517–527, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014617112870>.
- Tsairidis:2001:IQR**
- [2251] Ch. Tsairidis, K. Zografos, K. Ferentinos, and T. Papaioannou. Information in quantal response data and random censoring. *Annals of the Institute of Statistical Mathematics*, 53(3):528–542, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014621229708>.
- Hill:2001:EVM**
- [2252] Theodore P. Hill and Victor Perez-Abreu. Extreme-value moment goodness-of-fit tests. *Annals of the Institute of Statistical Mathematics*, 53(3):543–551, 2001. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014673230617>.

**Grabovsky:2001:CPD**

- [2253] Irina Grabovsky and Lajos Horváth. Change-point detection in angular data. *Annals of the Institute of Statistical Mathematics*, 53(3):552–566, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014677314687>.

**Muller:2001:SOM**

- [2254] Alfred Müller. Stochastic ordering of multivariate normal distributions. *Annals of the Institute of Statistical Mathematics*, 53(3):567–575, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014629416504>.

**Chadjiconstantinidis:2001:DNF**

- [2255] Stathis Chadjiconstantinidis and Markos V. Koutras. Distributions of the numbers of failures and successes in a waiting time problem. *Annals of the Institute of Statistical Mathematics*, 53(3):576–598, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014637600574>.

**Antzoulakos:2001:DNS**

- [2256] Demetrios L. Antzoulakos and Stathis Chadjiconstantinidis. Distributions of numbers of success runs of fixed length in Markov dependent trials. *Annals of*

*the Institute of Statistical Mathematics*, 53(3):599–619, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014689617413>.

**Khaledi:2001:DPM**

- [2257] Baha-Eldin Khaledi and Subhash Kochar. Dependence properties of multivariate mixture distributions and their applications. *Annals of the Institute of Statistical Mathematics*, 53(3):620–630, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014641701483>.

**Kochar:2001:RSR**

- [2258] Subhash C. Kochar and Ramesh Kowar. On random sampling without replacement from a finite population. *Annals of the Institute of Statistical Mathematics*, 53(3):631–646, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014693702392>.

**Takahashi:2001:PMS**

- [2259] Rinya Takahashi and Masaaki Sibuya. Prediction of the maximum size in Wicksell's corpuscle problem, II. *Annals of the Institute of Statistical Mathematics*, 53(3):647–660, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014697919230>.



**Anonymous:2001:HCc**

- [2260] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 53(3):??, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Mase:2001:PDS**

- [2261] S. Mase, J. Møller, D. Stoyan, R. P. Waagepetersen, and G. Döge. Packing densities and simulated tempering for hard core Gibbs point processes. *Annals of the Institute of Statistical Mathematics*, 53(4):661–680, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014662415827>.

**Pensky:2001:NES**

- [2262] Marianna Pensky and Brani Vidakovic. On non-equally spaced wavelet regression. *Annals of the Institute of Statistical Mathematics*, 53(4):681–690, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014640632666>.

**Walk:2001:SUP**

- [2263] Harro Walk. Strong universal pointwise consistency of recursive regression estimates. *Annals of the Institute of Statistical Mathematics*, 53(4):691–707, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014692616736>.

**Li:2001:BAN**

- [2264] Gang Li and Somnath Datta. A bootstrap approach to nonparametric regression for right censored data. *Annals of the Institute of Statistical Mathematics*, 53(4):708–729, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014644700806>.

**VanKeilegom:2001:HRE**

- [2265] Ingrid Van Keilegom and Noël Vervaverbeke. Hazard rate estimation in nonparametric regression with censored data. *Annals of the Institute of Statistical Mathematics*, 53(4):730–745, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014696717644>.

**Petropoulos:2001:EEQ**

- [2266] Constantinos Petropoulos and Stavros Kourouklis. Estimation of an exponential quantile under a general loss and an alternative estimator under quadratic loss. *Annals of the Institute of Statistical Mathematics*, 53(4):746–759, ??? 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014648819462>.

**Zhou:2001:EMN**

- [2267] Xian Zhou, Xiaoqian Sun, and Jinglong Wang. Estimation of the multivariate normal precision matrix under the entropy loss. *Annals of the Institute of Statistical Mathematics*, 53(4):760–768, ??? 2001. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014657020370>.

**Leung:2001:IEP**

- [2268] Pui Lam Leung and Foon Yip Ng. Improved estimation of parameter matrices in a one-sample and two-sample problems. *Annals of the Institute of Statistical Mathematics*, 53(4):769–780, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014661221279>.

**vanRooij:2001:AIE**

- [2269] Arnoud C. M. van Rooij and Frits H. Ruymgaart. Abstract inverse estimation with application to deconvolution on locally compact Abelian groups. *Annals of the Institute of Statistical Mathematics*, 53(4):781–798, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014665305349>.

**Novikov:2001:UAE**

- [2270] Andrei Novikov. Uniform asymptotic expansion of likelihood ratio for Markov dependent observations. *Annals of the Institute of Statistical Mathematics*, 53(4):799–809, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014617422188>.

**Inglot:2001:IAC**

- [2271] Tadeusz Inglot and Teresa Ledwina. Intermediate approach to comparison of some goodness-of-fit tests. *Annals of the Institute of Statistical Mathematics*, 53(4):810–834, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014669423096>.

**Lee:2001:WKM**

- [2272] Wei-Chun Lee and Yuh-Ing Chen. Weighted Kaplan–Meier tests for umbrella alternatives. *Annals of the Institute of Statistical Mathematics*, 53(4):835–852, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014673524005>.

**Nanda:2001:HRR**

- [2273] Asok K. Nanda and Moshe Shaked. The hazard rate and the reversed hazard rate orders, with applications to order statistics. *Annals of the Institute of Statistical Mathematics*, 53(4):853–864, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014677608075>.

**Gelfand:2001:NBM**

- [2274] Alan E. Gelfand and Athanasios Kottas. Nonparametric Bayesian modeling for stochastic order. *Annals of the Institute of Statistical Mathematics*, 53(4):865–876, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014677608075>.



//link.springer.com/article/10.1023/A%3A1014629724913.

**Rychlik:2001:SOS**

- [2275] Tomasz Rychlik. Stability of order statistics under dependence. *Annals of the Institute of Statistical Mathematics*, 53(4):877–894, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014681708984>.

**Robin:2001:EDD**

- [2276] S. Robin and J.-J. Daudin. Exact distribution of the distances between any occurrences of a set of words. *Annals of the Institute of Statistical Mathematics*, 53(4):895–905, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1014633825822>.

**Anonymous:2001:A**

- [2277] Anonymous. Acknowledgement. *Annals of the Institute of Statistical Mathematics*, 53(4):907–909, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1017313413010>.

**Anonymous:2001:HCd**

- [2278] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 53(4):??, 2001. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Huang:2002:GPL**

- [2279] Fuchun Huang and Yosihiko Ogata. Generalized pseudo-likelihood esti-

mates for Markov random fields on lattice. *Annals of the Institute of Statistical Mathematics*, 54(1):1–18, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016170102988>.

**Liebscher:2002:KDH**

- [2280] Eckhard Liebscher. Kernel density and hazard rate estimation for censored data under  $\alpha$ -mixing condition. *Annals of the Institute of Statistical Mathematics*, 54(1):19–28, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016157519826>.

**Bogdan:2002:DDS**

- [2281] M. Bogdan, K. Bogdan, and A. Futschik. A data driven smooth test for circular uniformity. *Annals of the Institute of Statistical Mathematics*, 54(1):29–44, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016109603897>.

**Wong:2002:DDC**

- [2282] H. Wong and W. K. Li. Detecting and diagnostic checking multivariate conditional heteroscedastic time series models. *Annals of the Institute of Statistical Mathematics*, 54(1):45–59, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016161620735>.



**Derbort:2002:TAN**

- [2283] Stephan Derbort, Holger Dette, and Axel Munk. A test for additivity in nonparametric regression. *Annals of the Institute of Statistical Mathematics*, 54(1):60–82, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016113704805>.

**Pensky:2002:LAW**

- [2284] Marianna Pensky. Locally adaptive wavelet empirical Bayes estimation of a location parameter. *Annals of the Institute of Statistical Mathematics*, 54(1):83–99, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016165721644>.

**Lin:2002:BSP**

- [2285] Yu-Pin Lin, TaChen Liang, and Wen-Tao Huang. Bayesian sampling plans for exponential distribution based on Type I censoring data. *Annals of the Institute of Statistical Mathematics*, 54(1):100–113, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016117805714>.

**Wang:2002:EDS**

- [2286] Nan Wang and Wei Liu. Expansions for the distributions of some normalized summations of random numbers of I.I.D. random variables. *Annals of the Institute of Statistical Mathematics*, 54(1):114–124, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016169822552>.

**Aly:2002:NMG**

- [2287] Emad-Eldin A. A. Aly and Nadjib Bouzar. A notion of  $\alpha$ -monotonicity with generalized multiplications. *Annals of the Institute of Statistical Mathematics*, 54(1):125–137, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016121906623>.

**Mudholkar:2002:IGM**

- [2288] Govind S. Mudholkar and Rajeshwari Natarajan. The inverse Gaussian models: Analogues of symmetry, skewness and kurtosis. *Annals of the Institute of Statistical Mathematics*, 54(1):138–154, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016173923461>.

**Hunter:2002:CEP**

- [2289] David R. Hunter and Kenneth Lange. Computing estimates in the proportional odds model. *Annals of the Institute of Statistical Mathematics*, 54(1):155–168, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016126007531>.

**Higuchi:2002:SSN**

- [2290] Tomoyuki Higuchi and Genshiro Kitagawa. Special section on nonparametric approach to time series anal-



ysis. *Annals of the Institute of Statistical Mathematics*, 54(1):169, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1023/A%3A1016178024370>.

**Ombao:2002:SMN**

- [2291] Hernando Ombao, Jonathan Raz, Rainer von Sachs, and Wensheng Guo. The SLEX model of a non-stationary random process. *Annals of the Institute of Statistical Mathematics*, 54(1):171–200, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016130108440>.

**Stoffer:2002:LSE**

- [2292] David S. Stoffer, Hernando C. Ombao, and David E. Tyler. Local spectral envelope: An approach using dyadic tree-based adaptive segmentation. *Annals of the Institute of Statistical Mathematics*, 54(1):201–223, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016182125278>.

**Kilminster:2002:EIP**

- [2293] Devin Kilminster, David Allingham, and Alistair Mees. Estimating invariant probability densities for dynamical systems. *Annals of the Institute of Statistical Mathematics*, 54(1):224–233, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1016134209348>.

**Anonymous:2002:HCa**

- [2294] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 54(1):??, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Adimari:2002:QPL**

- [2295] G. Adimari and L. Ventura. Quasi-profile log likelihoods for unbiased estimating functions. *Annals of the Institute of Statistical Mathematics*, 54(2):235–244, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022425816250>.

**Schick:2002:EID**

- [2296] Anton Schick and Wolfgang Wefelmeyer. Estimating the innovation distribution in nonlinear autoregressive models. *Annals of the Institute of Statistical Mathematics*, 54(2):245–260, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022413700321>.

**Visek:2002:SAE**

- [2297] Jan Ámos Vísek. Sensitivity analysis of  $M$ -estimates of nonlinear regression model: Influence of data subsets. *Annals of the Institute of Statistical Mathematics*, 54(2):261–290, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022465701229>.



**Beran:2002:LPF**

- [2298] Jan Beran and Yuanhua Feng. Local polynomial fitting with long-memory, short-memory and antipersistent errors. *Annals of the Institute of Statistical Mathematics*, 54(2):291–311, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022469818068>.

**Chen:2002:LLS**

- [2299] Song Xi Chen. Local linear smoothers using asymmetric kernels. *Annals of the Institute of Statistical Mathematics*, 54(2):312–323, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022422002138>.

**Shieh:2002:BPA**

- [2300] Gwown Shieh and Jack C. Lee. Bayesian prediction analysis for growth curve model using noninformative priors. *Annals of the Institute of Statistical Mathematics*, 54(2):324–337, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022474018976>.

**Chen:2002:PWM**

- [2301] Ming-Hui Chen and Qi-Man Shao. Partition-weighted Monte Carlo estimation. *Annals of the Institute of Statistical Mathematics*, 54(2):338–354, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link>.

[springer.com/article/10.1023/A%3A1022426103047](http://link.springer.com/article/10.1023/A%3A1022426103047).

**Mukerjee:2002:PDI**

- [2302] Rahul Mukerjee and Brajendra C. Sutradhar. On the positive definiteness of the information matrix under the binary and Poisson mixed models. *Annals of the Institute of Statistical Mathematics*, 54(2):355–366, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022478119885>.

**Chatterjee:2002:DAG**

- [2303] Snigdhasu Chatterjee and Arup Bose. Dimension asymptotics for generalised bootstrap in linear regression. *Annals of the Institute of Statistical Mathematics*, 54(2):367–381, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022430203955>.

**Nikitin:2002:AEM**

- [2304] Ya. Yu. Nikitin and E. V. Ponikarov. Asymptotic efficiency of Maesono statistics for testing of symmetry. *Annals of the Institute of Statistical Mathematics*, 54(2):382–390, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022482220794>.

**Kadri:2002:ABC**

- [2305] M'hammed Kadri and Khalid Rifi. Asymptotic bound on the characteristic function of signed linear serial



rank statistics. *Annals of the Institute of Statistical Mathematics*, 54(2):391–403, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022434304864>.

**Roy:2002:BLM**

- [2306] Dilip Roy. On bivariate lack of memory property and a new definition. *Annals of the Institute of Statistical Mathematics*, 54(2):404–410, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022486321702>.

**Chryssaphinou:2002:CPA**

- [2307] Ourania Chryssaphinou and Eutichia Vaggelatou. Compound Poisson approximation for multiple runs in a Markov chain. *Annals of the Institute of Statistical Mathematics*, 54(2):411–424, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022438422611>.

**Henze:2002:GFT**

- [2308] Norbert Henze and Bernhard Klar. Goodness-of-fit tests for the inverse Gaussian distribution based on the empirical Laplace transform. *Annals of the Institute of Statistical Mathematics*, 54(2):425–444, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022442506681>.

**Schoenberg:2002:RPP**

- [2309] Frederic Paik Schoenberg. On rescaled Poisson processes and the Brownian bridge. *Annals of the Institute of Statistical Mathematics*, 54(2):445–457, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022494523519>.

**Anonymous:2002:HCB**

- [2310] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 54(2):??, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Kanamori:2002:SAT**

- [2311] Takafumi Kanamori. Statistical asymptotic theory of active learning. *Annals of the Institute of Statistical Mathematics*, 54(3):459–475, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022446624428>.

**Kosorok:2002:ATG**

- [2312] Michael R. Kosorok, Jason P. Fine, Hongyu Jiang, and Rick Chappell. Asymptotic theory for the gamma frailty model with dependent censoring. *Annals of the Institute of Statistical Mathematics*, 54(3):476–499, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022450708498>.



**Sivaganesan:2002:ASI**

- [2313] S. Sivaganesan and Rama T. Lingham. On the asymptotic stability of the intrinsic and fractional Bayes factors for testing some diffusion models. *Annals of the Institute of Statistical Mathematics*, 54(3):500–516, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022402925337>.

**Patra:2002:GCC**

- [2314] Kaushik Patra and Dipak K. Dey. A general class of change point and change curve modeling for life time data. *Annals of the Institute of Statistical Mathematics*, 54(3):517–530, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022454909407>.

**Swanepoel:2002:GFT**

- [2315] Jan W. H. Swanepoel and François C. Van Graan. Goodness-of-fit tests based on estimated expectations of probability integral transformed order statistics. *Annals of the Institute of Statistical Mathematics*, 54(3):531–542, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022407026245>.

**Fokianos:2002:PDF**

- [2316] Konstantinos Fokianos. Power divergence family of tests for categorical time series models. *Annals of the Institute of Statistical Mathematics*, 54(3):543–564, ??? 2002. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022459010316>.

**Bhattacharya:2002:TPS**

- [2317] Bhaskar Bhattacharya. Tests of parameters of several gamma distributions with inequality restrictions. *Annals of the Institute of Statistical Mathematics*, 54(3):565–576, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022411127154>.

**Zhang:2002:BAD**

- [2318] Jin Zhang and Yuehua Wu. Beta approximation to the distribution of Kolmogorov–Smirnov statistic. *Annals of the Institute of Statistical Mathematics*, 54(3):577–584, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022463111224>.

**Ciuperca:2002:LRS**

- [2319] Gabriela Ciuperca. Likelihood ratio statistic for exponential mixtures. *Annals of the Institute of Statistical Mathematics*, 54(3):585–594, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022415228062>.

**Zhong:2002:ELM**

- [2320] Xu-Ping Zhong, Wing-Kam Fung, and Bo-Cheng Wei. Estimation in linear models with random effects and errors-in-variables. *Annals of the Institute of Statistical Mathematics*, 54



- (3):595–606, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022467212133>.
- Babu:2002:LPI**
- [2321] Gutti Jogesh Babu and Eugenijus Manstavicius. Limit processes with independent increments for the Ewens sampling formula. *Annals of the Institute of Statistical Mathematics*, 54(3):607–620, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022419328971>.
- Nomakuchi:2002:MMC**
- [2322] Kentaro Nomakuchi. A monotonicity of moments concerned with order restricted statistical inference. *Annals of the Institute of Statistical Mathematics*, 54(3):621–625, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022471313041>.
- Zhao:2002:RSS**
- [2323] Xiaoyue Zhao and Zehua Chen. On the ranked-set sampling  $M$ -estimates for symmetric location families. *Annals of the Institute of Statistical Mathematics*, 54(3):626–640, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022423429880>.
- Zheng:2002:MML**
- [2324] Gang Zheng and Mohammad F. Al-Saleh. Modified maximum likelihood estimators based on ranked set samples. *Annals of the Institute of Statistical Mathematics*, 54(3):641–658, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022475413950>.
- Arnab:2002:ESM**
- [2325] Raghunath Arnab and Sarjinder Singh. Estimation of the size and mean value of a stigmatized characteristic of a hidden gang in a finite population: A unified approach. *Annals of the Institute of Statistical Mathematics*, 54(3):659–666, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022427530788>.
- Abo-Eleneen:2002:FIO**
- [2326] Z. A. Abo-Eleneen and H. N. Nagaraja. Fisher information in an order statistic and its concomitant. *Annals of the Institute of Statistical Mathematics*, 54(3):667–680, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022479514859>.
- Inoue:2002:GWT**
- [2327] Kiyoshi Inoue and Sigeo Aki. Generalized waiting time problems associated with pattern in Polya’s urn Scheme. *Annals of the Institute of Statistical Mathematics*, 54(3):681–688, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022431631697>.



Bradley:2002:DSN

- [2328] David M. Bradley and Ramesh C. Gupta. On the distribution of the sum of  $n$  non-identically distributed uniform random variables. *Annals of the Institute of Statistical Mathematics*, 54(3):689–700, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022483715767>.

Pensky:2002:DDD

- [2329] Marianna Pensky and Ahmed I. Zayed. Density deconvolution of different conditional distributions. *Annals of the Institute of Statistical Mathematics*, 54(3):701–712, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022435832605>.

Anonymous:2002:HCc

- [2330] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 54(3):??, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

Aki:2002:WTR

- [2331] Sigeo Aki and Katuomi Hirano. On waiting time for reversed patterns in random sequences. *Annals of the Institute of Statistical Mathematics*, 54(4):713–718, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022472731832>.

Fu:2002:ELD

- [2332] James C. Fu, W. Y. Wendy Lou, Zhi-Dong Bai, and Gang Li. The exact and limiting distributions for the number of successes in success runs within a sequence of Markov-dependent two-state trials. *Annals of the Institute of Statistical Mathematics*, 54(4):719–730, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022451015903>.

Lefevre:2002:GPD

- [2333] Claude Lefèvre, Vasilis Papathanasiou, and Sergey Utev. Generalized Pearson distributions and related characterization problems. *Annals of the Institute of Statistical Mathematics*, 54(4):731–742, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022403132741>.

Yang:2002:SAD

- [2334] Bo Yang and John E. Kolassa. Saddlepoint approximation for the distribution function near the mean. *Annals of the Institute of Statistical Mathematics*, 54(4):743–747, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022455116811>.

Bacro:2002:BLS

- [2335] J.-N. Bacro, J.-J. Daudin, S. Mercier, and S. Robin. Back to the local score in the logarithmic case: A direct and simple proof. *Annals of the Institute of Statistical Mathematics*, 54



(4):748–757, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022407200882>.

**Ellis:2002:BDW**

- [2336] Steven P. Ellis. Blind deconvolution when noise is symmetric: Existence and examples of solutions. *Annals of the Institute of Statistical Mathematics*, 54(4):758–767, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022459217720>.

**Chiaromonte:2002:SDR**

- [2337] Francesca Chiaromonte and R. Dennis Cook. Sufficient dimension reduction and graphics in regression. *Annals of the Institute of Statistical Mathematics*, 54(4):768–795, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022411301790>.

**Chandrasekar:2002:MVT**

- [2338] B. Chandrasekar and N. Balakrishnan. On a multiparameter version of Tukey’s linear sensitivity measure and its properties. *Annals of the Institute of Statistical Mathematics*, 54(4):796–805, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022463318629>.

**Akahira:2002:IIB**

- [2339] Masafumi Akahira and Nao Ohyauchi. Information inequalities for the Bayes

risk for a family of non-regular distributions. *Annals of the Institute of Statistical Mathematics*, 54(4):806–815, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022415402699>.

**Kotz:2002:MLE**

- [2340] Samuel Kotz, Tomasz J. Kozubowski, and Krzysztof Podgórski. Maximum likelihood estimation of asymmetric Laplace parameters. *Annals of the Institute of Statistical Mathematics*, 54(4):816–826, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022467519537>.

**Bohning:2002:ENI**

- [2341] Dankmar Böhning, Uwe Malzahn, Jesus Sarol, Jr., Sasivimol Rattanasiri, and Annibale Biggeri. Efficient non-iterative and nonparametric estimation of heterogeneity variance for the standardized mortality ratio. *Annals of the Institute of Statistical Mathematics*, 54(4):827–839, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022419603608>.

**Hwang:2002:NME**

- [2342] Tea-Yuan Hwang and Ping-Huang Huang. On new moment estimation of parameters of the gamma distribution using its characterization. *Annals of the Institute of Statistical Mathematics*, 54(4):840–847, ??? 2002. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022471620446>.

**Chang:2002:CRU**

- [2343] Yuan-Tsung Chang and Nobuo Shinozaki. A comparison of restricted and unrestricted estimators in estimating linear functions of ordered scale parameters of two gamma distributions. *Annals of the Institute of Statistical Mathematics*, 54(4):848–860, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022423704516>.

**Yu:2002:ECM**

- [2344] Philip L. H. Yu, Yijun Sun, and Bimal K. Sinha. Estimation of the common mean of a bivariate normal population. *Annals of the Institute of Statistical Mathematics*, 54(4):861–878, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022475721354>.

**Kohler:2002:UCL**

- [2345] Michael Kohler. Universal consistency of local polynomial kernel regression estimates. *Annals of the Institute of Statistical Mathematics*, 54(4):879–899, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022427805425>.

**Beran:2002:IPL**

- [2346] Rudolf Beran. Improving penalized least squares through adaptive selec-

tion of penalty and shrinkage. *Annals of the Institute of Statistical Mathematics*, 54(4):900–917, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022479822263>.

**Hayakawa:2002:ILR**

- [2347] Takesi Hayakawa. Independence of likelihood ratio criteria for homogeneity of several populations. *Annals of the Institute of Statistical Mathematics*, 54(4):918–933, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022431906333>.

**Park:2002:MPT**

- [2348] Hyo-Il Park. Multivariate percentile tests for incomplete data. *Annals of the Institute of Statistical Mathematics*, 54(4):934–944, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022483923172>.

**Dette:2002:ODT**

- [2349] Holger Dette, Viatcheslav B. Melas, and Andrey Pepelyshev.  $D$ -optimal designs for trigonometric regression models on a partial circle. *Annals of the Institute of Statistical Mathematics*, 54(4):945–959, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1023/A%3A1022436007242>.

**Anonymous:2002:HCd**

- [2350] Anonymous. Help & contacts. *Annals of the Institute of Statistical Math-*



ematics, 54(4):??, 2002. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Datta:2003:PMP**

- [2351] Gauri Sankar Datta and Rahul Mukerjee. Probability matching priors for predicting a dependent variable with application to regression models. *Annals of the Institute of Statistical Mathematics*, 55(1):1–6, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530481>.

**Basu:2003:BES**

- [2352] Sanjib Basu and Rama T. Lingham. Bayesian estimation of system reliability in Brownian stress-strength models. *Annals of the Institute of Statistical Mathematics*, 55(1):7–19, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530482>.

**Wang:2003:EPL**

- [2353] Qi-Hua Wang. Estimation of partial linear error-in-response models with validation data. *Annals of the Institute of Statistical Mathematics*, 55(1):21–39, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530483>.

**Bibi:2003:CAN**

- [2354] Abdelouahab Bibi and Christian Francq. Consistent and asymptotically normal estimators for cyclically time-dependent linear models. *Annals of*

*the Institute of Statistical Mathematics*, 55(1):41–68, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530484>.

**Chanda:2003:DEC**

- [2355] Kamal C. Chanda. Density estimation for a class of stationary nonlinear processes. *Annals of the Institute of Statistical Mathematics*, 55(1):69–82, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530485>.

**Babu:2003:EEC**

- [2356] Gutti Jogesh Babu, Kesar Singh, and Yaning Yang. Edgeworth expansions for compound Poisson processes and the bootstrap. *Annals of the Institute of Statistical Mathematics*, 55(1):83–94, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530486>.

**Pfanzagl:2003:ABE**

- [2357] J. Pfanzagl. Asymptotic bounds for estimators without limit distribution. *Annals of the Institute of Statistical Mathematics*, 55(1):95–110, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530487>.

**Dewan:2003:MWT**

- [2358] Isha Dewan and B. L. S. Prakasa Rao. Mann–Whitney test for associated sequences. *Annals of the Institute of*



*Statistical Mathematics*, 55(1):111–119, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530488>.

**Liu:2003:TIC**

- [2359] Xinsheng Liu and Jinde Wang. Testing for increasing convex order in several populations. *Annals of the Institute of Statistical Mathematics*, 55(1):121–136, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530489>.

**Meintanis:2003:TFR**

- [2360] Simos Meintanis and George Iliopoulos. Tests of fit for the Rayleigh distribution based on the empirical Laplace transform. *Annals of the Institute of Statistical Mathematics*, 55(1):137–151, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530490>.

**Inoue:2003:GBN**

- [2361] Kiyoshi Inoue and Sigeo Aki. Generalized binomial and negative binomial distributions of order  $k$  by the  $l$ -overlapping enumeration scheme. *Annals of the Institute of Statistical Mathematics*, 55(1):153–167, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530491>.

**Vidoni:2003:PCG**

- [2362] Paolo Vidoni. Prediction and calibration in generalized linear models. *Annals of the Institute of Statistical Mathematics*, 55(1):169–185, March

2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530492>.

**Sartori:2003:NLA**

- [2363] N. Sartori. A note on likelihood asymptotics in normal linear regression. *Annals of the Institute of Statistical Mathematics*, 55(1):187–195, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530493>.

**Lu:2003:LIM**

- [2364] Zudi Lu and Y. V. Hui.  $L_1$  linear interpolator for missing values in time series. *Annals of the Institute of Statistical Mathematics*, 55(1):197–216, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530494>.

**Bradley:2003:LBM**

- [2365] David M. Bradley and Ramesh C. Gupta. Limiting behaviour of the mean residual life. *Annals of the Institute of Statistical Mathematics*, 55(1):217–226, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530495>.

**Anonymous:2003:HCa**

- [2366] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 55(1):??, March 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).



**Hobolth:2003:CPS**

- [2367] Asger Hobolth, Jan Pedersen, and Eva B. Vedel Jensen. A continuous parametric shape model. *Annals of the Institute of Statistical Mathematics*, 55(2):227–242, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530496>.

**Pan:2003:EOS**

- [2368] Wei Pan, Walter W. Piegorsch, and R. Webster West. Exact one-sided simultaneous confidence bands via Uusipaikka's method. *Annals of the Institute of Statistical Mathematics*, 55(2):243–250, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530497>.

**Gao:2003:PIC**

- [2369] Wei Gao and Ning-Zhong Shi.  $I$ -projection onto isotonic cones and its applications to maximum likelihood estimation for log-linear models. *Annals of the Institute of Statistical Mathematics*, 55(2):251–263, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530498>.

**Croux:2003:BIR**

- [2370] Christophe Croux, Stefan Van Aelst, and Catherine Dehon. Bounded influence regression using high breakdown scatter matrices. *Annals of the Institute of Statistical Mathematics*, 55(2):265–285, June 2003. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530499>.

**Kohler:2003:SCA**

- [2371] Michael Kohler, Adam Krzyzak, and Harro Walk. Strong consistency of automatic kernel regression estimates. *Annals of the Institute of Statistical Mathematics*, 55(2):287–308, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530500>.

**Tanaka:2003:FDA**

- [2372] Hidekazu Tanaka and Masafumi Akahira. On a family of distributions attaining the Bhattacharyya bound. *Annals of the Institute of Statistical Mathematics*, 55(2):309–317, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530501>.

**Childs:2003:ELI**

- [2373] A. Childs, B. Chandrasekar, N. Balakrishnan, and D. Kundu. Exact likelihood inference based on Type-I and Type-II hybrid censored samples from the exponential distribution. *Annals of the Institute of Statistical Mathematics*, 55(2):319–330, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530502>.

**Perez:2003:BCD**

- [2374] M. C. Iglesias Pérez and W. González Manteiga. Bootstrap for the conditional distribution function with truncated and censored data. *Annals of*



*the Institute of Statistical Mathematics*, 55(2):331–357, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530503>.

**Kim:2003:BCS**

- [2375] Choongrak Kim, Byeong U. Park, Woonchul Kim, and Chiyon Lim. Bézier curve smoothing of the Kaplan–Meier estimator. *Annals of the Institute of Statistical Mathematics*, 55(2):359–367, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530504>.

**Fukumizu:2003:P**

- [2376] Kenji Fukumizu, Yukito Iba, Takashi Tsuchiya, and Koji Tsuda. Preface. *Annals of the Institute of Statistical Mathematics*, 55(2):369–370, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/BF02530505>.

**Bousquet:2003:NAS**

- [2377] Olivier Bousquet. New approaches to statistical learning theory. *Annals of the Institute of Statistical Mathematics*, 55(2):371–389, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530506>.

**Weston:2003:DL**

- [2378] Jason Weston, Bernhard Schölkopf, Eleazar Eskin, Christina Leslie, and William Stafford Noble. Dealing with large diagonals in kernel matrices.

*Annals of the Institute of Statistical Mathematics*, 55(2):391–408, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530507>.

**Doucet:2003:PEG**

- [2379] Arnaud Doucet and Vladislav B. Tadić. Parameter estimation in general state-space models using particle methods. *Annals of the Institute of Statistical Mathematics*, 55(2):409–422, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530508>.

**Guo:2003:NAD**

- [2380] Dong Guo, Xiaodong Wang, and Rong Chen. Nonparametric adaptive detection in fading channels based on sequential Monte Carlo and Bayesian model averaging. *Annals of the Institute of Statistical Mathematics*, 55(2):423–436, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530509>.

**Tanaka-Yamawaki:2003:SMS**

- [2381] Mieko Tanaka-Yamawaki. Stability of Markovian structure observed in high frequency foreign exchange data. *Annals of the Institute of Statistical Mathematics*, 55(2):437–446, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530510>.



**Anonymous:2003:HCB**

- [2382] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 55(2):??, June 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Tsukuma:2003:EML**

- [2383] Hisayuki Tsukuma. On estimation in multivariate linear calibration with elliptical errors. *Annals of the Institute of Statistical Mathematics*, 55(3):447–466, September 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517800>.

**Lee:2003:CST**

- [2384] Sangyeol Lee, Okyoung Na, and Seongryong Na. On the cusum of squares test for variance change in nonstationary and nonparametric time series models. *Annals of the Institute of Statistical Mathematics*, 55(3):467–485, September 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517801>.

**Carolan:2003:CLC**

- [2385] Chris Carolan and Richard Dykstra. Characterization of the least concave majorant of Brownian motion, conditional on a vertex point, with application to construction. *Annals of the Institute of Statistical Mathematics*, 55(3):487–497, September 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517802>.

**Hu:2003:CED**

- [2386] Chin-Yuan Hu and Gwo Dong Lin. Characterizations of the exponential distribution by stochastic ordering properties of the geometric compound. *Annals of the Institute of Statistical Mathematics*, 55(3):499–506, September 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517803>.

**Hashorva:2003:MGT**

- [2387] Enkelejd Hashorva and Jürg Hüsler. On multivariate Gaussian tails. *Annals of the Institute of Statistical Mathematics*, 55(3):507–522, September 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517804>.

**Aly:2003:DU**

- [2388] Emad-Eldin A. A. Aly and Nadjib Bouzar. On discrete  $\alpha$ -unimodality. *Annals of the Institute of Statistical Mathematics*, 55(3):523–535, September 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517805>.

**Fujikoshi:2003:CVC**

- [2389] Yasunori Fujikoshi, Takafumi Noguchi, Megu Ohtaki, and Hirokazu Yanagihara. Corrected versions of cross-validation criteria for selecting multivariate regression and growth curve models. *Annals of the Institute of Statistical Mathematics*, 55(3):537–553, September 2003. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517806>.

**Gottlieb:2003:AEJ**

- [2390] Alex D. Gottlieb. Asymptotic equivalence of the jackknife and infinitesimal jackknife variance estimators for some smooth statistics. *Annals of the Institute of Statistical Mathematics*, 55(3):555–561, September 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517807>.

**Arcones:2003:AAB**

- [2391] Miguel A. Arcones. On the asymptotic accuracy of the bootstrap under arbitrary resampling size. *Annals of the Institute of Statistical Mathematics*, 55(3):563–583, September 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517808>.

**Wang:2003:ELP**

- [2392] Qi-Hua Wang and Bing-Yi Jing. Empirical likelihood for partial linear models. *Annals of the Institute of Statistical Mathematics*, 55(3):585–595, September 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517809>.

**Qin:2003:EEC**

- [2393] Gensheng Qin and Bing-Yi Jing. Edgeworth expansion in censored linear regression model. *Annals of the Institute of Statistical Mathematics*, 55(3):597–617, September 2003. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517810>.

**Ghorai:2003:CLT**

- [2394] J. K. Ghorai. A central limit theorem for the  $L_2$  error of positive wavelet density estimator. *Annals of the Institute of Statistical Mathematics*, 55(3):619–637, September 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517811>.

**Osterreicher:2003:NCM**

- [2395] Ferdinand Österreicher and Igor Vajda. A new class of metric divergences on probability spaces and its applicability in statistics. *Annals of the Institute of Statistical Mathematics*, 55(3):639–653, September 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517812>.

**Huang:2003:OVC**

- [2396] Su-Yun Huang, Chuhsing Kate Hsiao, and Ching-Wei Chang. Optimal volume-corrected Laplace–Metropolis method. *Annals of the Institute of Statistical Mathematics*, 55(3):655–670, September 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02517813>.

**Anonymous:2003:HCc**

- [2397] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 55(3):??, September 2003. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Imoto:2003:SSP**

- [2398] Seiya Imoto and Sadanori Konishi. Selection of smoothing parameters in B-spline nonparametric regression models using information criteria. *Annals of the Institute of Statistical Mathematics*, 55(4):671–687, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02523388>.

**Zhou:2003:AEL**

- [2399] Wang Zhou and Bing-Yi Jing. Adjusted empirical likelihood method for quantiles. *Annals of the Institute of Statistical Mathematics*, 55(4):689–703, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02523389>.

**Hidalgo:2003:SEL**

- [2400] J. Hidalgo and Y. Yajima. Semi-parametric estimation of the long-range parameter. *Annals of the Institute of Statistical Mathematics*, 55(4):705–736, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02523390>.

**Fryzlewicz:2003:FNS**

- [2401] Piotr Fryzlewicz, Sébastien Van Bellegem, and Rainer von Sachs. Forecasting non-stationary time series by wavelet process modelling. *Annals of the Institute of Statistical*

*Mathematics*, 55(4):737–764, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02523391>.

**Alonso:2003:RTS**

- [2402] Andrés M. Alonso, Daniel Peña, and Juan Romo. Resampling time series using missing values techniques. *Annals of the Institute of Statistical Mathematics*, 55(4):765–796, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02523392>.

**Ristic:2003:BUA**

- [2403] Miroslav M. Ristić and Biljana C. Popović. A bivariate uniform autoregressive process. *Annals of the Institute of Statistical Mathematics*, 55(4):797–802, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02523393>.

**Fourdrinier:2003:BUE**

- [2404] Dominique Fourdrinier and William E. Strawderman. On Bayes and unbiased estimators of loss. *Annals of the Institute of Statistical Mathematics*, 55(4):803–816, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02523394>.

**Karlis:2003:MEM**

- [2405] Dimitris Karlis. ML estimation for multivariate shock models via an EM algorithm. *Annals of the Institute of Statis-*



*tical Mathematics*, 55(4):817–830, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02523395>.

**Taneichi:2003:IGF**

- [2406] Nobuhiro Taneichi, Yuri Sekiya, and Hideyuki Imai. Improvements of goodness-of-fit statistics for sparse multinomials based on normalizing transformations. *Annals of the Institute of Statistical Mathematics*, 55(4):831–848, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02523396>.

**Bischoff:2003:EAB**

- [2407] Wolfgang Bischoff, Enkelejd Hashorva, Jürg Hüsler, and Frank Miller. Exact asymptotics for boundary crossings of the Brownian bridge with trend with application to the Kolmogorov test. *Annals of the Institute of Statistical Mathematics*, 55(4):849–864, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02523397>.

**Antzoulakos:2003:DTN**

- [2408] D. L. Antzoulakos, S. Bersimis, and M. V. Koutras. On the distribution of the total number of run lengths. *Annals of the Institute of Statistical Mathematics*, 55(4):865–884, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02523398>.

**Mahmoud:2003:OSV**

- [2409] Hosam M. Mahmoud. One-sided variations on binary search trees. *Annals of the Institute of Statistical Mathematics*, 55(4):885–900, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02523399>.

**Anonymous:2003:A**

- [2410] Anonymous. Acknowledgement. *Annals of the Institute of Statistical Mathematics*, 55(4):901–903, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02523400>.

**Anonymous:2003:HCd**

- [2411] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 55(4):??, December 2003. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Takemura:2004:SCM**

- [2412] Akimichi Takemura and Satoshi Aoki. Some characterizations of minimal Markov basis for sampling from discrete conditional distributions. *Annals of the Institute of Statistical Mathematics*, 56(1):1–17, March 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530522>.

**Delaigle:2004:BBS**

- [2413] A. Delaigle and I. Gijbels. Bootstrap bandwidth selection in kernel density estimation from a contaminated sample. *Annals of the Institute of Statis-*



*tical Mathematics*, 56(1):19–47, March 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530523>.

**Honda:2004:NRC**

- [2414] Toshio Honda. Nonparametric regression with current status data. *Annals of the Institute of Statistical Mathematics*, 56(1):49–72, March 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530524>.

**Peng:2004:NRU**

- [2415] Liang Peng and Qiwei Yao. Nonparametric regression under dependent errors with infinite variance. *Annals of the Institute of Statistical Mathematics*, 56(1):73–86, March 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530525>.

**Chiang:2004:SER**

- [2416] Chin-Tsang Chiang and Mei-Cheng Wang. Smoothing estimation of rate function for recurrent event data with informative censoring. *Annals of the Institute of Statistical Mathematics*, 56(1):87–100, March 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530526>.

**Sheena:2004:EEN**

- [2417] Yo Sheena, A. K. Gupta, and Y. Fujikoshi. Estimation of the eigenvalues of noncentrality parameter in ma-

trix variate noncentral beta distribution. *Annals of the Institute of Statistical Mathematics*, 56(1):101–125, March 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530527>.

**Wu:2004:BEC**

- [2418] Yanhong Wu. Bias of estimator of change point detected by a CUSUM procedure. *Annals of the Institute of Statistical Mathematics*, 56(1):127–142, March 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530528>.

**Inoue:2004:JDA**

- [2419] Kiyoshi Inoue. Joint distributions associated with patterns, successes and failures in a sequence of multi-state trials. *Annals of the Institute of Statistical Mathematics*, 56(1):143–168, March 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530529>.

**Aki:2004:WTP**

- [2420] Sigeo Aki and Katuomi Hirano. Waiting time problems for a two-dimensional pattern. *Annals of the Institute of Statistical Mathematics*, 56(1):169–182, March 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530530>.

**Cramer:2004:UUG**

- [2421] Erhard Cramer, Udo Kamps, and Tomasz Rychlik. Unimodality of



uniform generalized order statistics, with applications to mean bounds. *Annals of the Institute of Statistical Mathematics*, 56(1):183–192, March 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530531>.

**Chang:2004:SSR**

- [2422] Yen-Chang Chang. A sequential software release policy. *Annals of the Institute of Statistical Mathematics*, 56(1):193–204, March 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530532>.

**Anonymous:2004:HCa**

- [2423] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 56(1):??, March 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Efromovich:2004:ABS**

- [2424] Sam Efromovich. Analysis of blockwise shrinkage wavelet estimates via lower bounds for no-signal setting. *Annals of the Institute of Statistical Mathematics*, 56(2):205–223, June 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530542>.

**Lahiri:2004:ADE**

- [2425] S. N. Lahiri and Kanchan Mukherjee. Asymptotic distributions of  $M$ -estimators in a spatial regression model under some fixed and stochastic spatial sampling designs.

*Annals of the Institute of Statistical Mathematics*, 56(2):225–250, June 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530543>.

**Wang:2004:AEC**

- [2426] Lihong Wang. Asymptotics of estimates in constrained nonlinear regression with long-range dependent innovations. *Annals of the Institute of Statistical Mathematics*, 56(2):251–264, June 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530544>.

**Yatracos:2004:DDR**

- [2427] Yannis Yatracos. Dependence and the dimensionality reduction principle. *Annals of the Institute of Statistical Mathematics*, 56(2):265–277, June 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530545>.

**Dauxois:2004:LRC**

- [2428] Jacques Dauxois, Guy Martial Nkiet, and Yves Romain. Linear relative canonical analysis of Euclidean random variables, asymptotic study and some applications. *Annals of the Institute of Statistical Mathematics*, 56(2):279–304, June 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530546>.

**Gupta:2004:CMS**

- [2429] Arjun K. Gupta and John T. Chen. A class of multivariate skew-normal



models. *Annals of the Institute of Statistical Mathematics*, 56(2):305–315, June 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530547>.

**Sarkar:2004:WTD**

- [2430] Anish Sarkar, Kanwar Sen, and Anuradha. Waiting time distributions of runs in higher order Markov chains. *Annals of the Institute of Statistical Mathematics*, 56(2):317–349, June 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530548>.

**Gupta:2004:CSN**

- [2431] Arjun K. Gupta, Truc T. Nguyen, and Jose Almer T. Sanqui. Characterization of the skew-normal distribution. *Annals of the Institute of Statistical Mathematics*, 56(2):351–360, June 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530549>.

**Navarro:2004:CMN**

- [2432] Jorge Navarro and Jose M. Ruiz. A characterization of the multivariate normal distribution by using the hazard gradient. *Annals of the Institute of Statistical Mathematics*, 56(2):361–367, June 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530550>.

**Gibilisco:2004:CPM**

- [2433] Paolo Gibilisco and Tommaso Isola. On the characterisation of paired monotone metrics. *Annals of the Institute of*

*Statistical Mathematics*, 56(2):369–381, June 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530551>.

**Hofmann:2004:FIR**

- [2434] Glenn Hofmann and N. Balakrishnan. Fisher information in  $k$ -records. *Annals of the Institute of Statistical Mathematics*, 56(2):383–396, June 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530552>.

**Maehara:2004:WDU**

- [2435] H. Maehara. When does the union of random spherical caps become connected? *Annals of the Institute of Statistical Mathematics*, 56(2):397–402, June 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530553>.

**Anonymous:2004:HCb**

- [2436] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 56(2):??, June 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Wang:2004:LBI**

- [2437] Qi-Hua Wang. Likelihood-based imputation inference for mean functionals in the presence of missing responses. *Annals of the Institute of Statistical Mathematics*, 56(3):403–414, September 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530533>.



**Peruggia:2004:DSW**

- [2438] Mario Peruggia, Thomas J. Santner, and Yu-Yun Ho. Detecting stage-wise outliers in hierarchical Bayesian linear models of repeated measures data. *Annals of the Institute of Statistical Mathematics*, 56(3):415–433, September 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530534>.

**Ebrahimi:2004:IAB**

- [2439] Nader Ebrahimi. Indirect assessment of the bivariate survival function. *Annals of the Institute of Statistical Mathematics*, 56(3):435–448, September 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530535>.

**Comte:2004:NAF**

- [2440] F. Comte and Y. Rozenholc. A new algorithm for fixed design regression and denoising. *Annals of the Institute of Statistical Mathematics*, 56(3):449–473, September 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530536>.

**Cristobal:2004:CBN**

- [2441] J. A. Cristóbal, J. L. Ojeda, and J. T. Alcalá. Confidence bands in nonparametric regression with length biased data. *Annals of the Institute of Statistical Mathematics*, 56(3):475–496, September 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530537>.

[//link.springer.com/article/10.1007/BF02530537](http://link.springer.com/article/10.1007/BF02530537).

**Bouzar:2004:DSS**

- [2442] Nadjib Bouzar. Discrete semi-stable distributions. *Annals of the Institute of Statistical Mathematics*, 56(3):497–510, September 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530538>.

**Pace:2004:TLE**

- [2443] Luigi Pace and Alessandra Salvan. Tensors and likelihood expansions in the presence of nuisance parameters. *Annals of the Institute of Statistical Mathematics*, 56(3):511–528, September 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530539>.

**Nandi:2004:APL**

- [2444] Swagata Nandi and Debasis Kundu. Asymptotic properties of the least squares estimators of the parameters of the chirp signals. *Annals of the Institute of Statistical Mathematics*, 56(3):529–544, September 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530540>.

**Sakamoto:2004:AEF**

- [2445] Yuji Sakamoto and Nakahiro Yoshida. Asymptotic expansion formulas for functionals of  $\epsilon$ -Markov processes with a mixing property. *Annals of the Institute of Statistical Mathematics*, 56(3):545–597, September 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530541>.



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02530541>.

**Anonymous:2004:HCC**

- [2446] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 56(3):??, September 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Fan:2004:BAS**

- [2447] Tsai-Hung Fan and Eng-Nan Kuo. A Bayesian analysis for the seismic data on Taiwan. *Annals of the Institute of Statistical Mathematics*, 56(4):599–609, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506478>.

**Jiang:2004:SDE**

- [2448] Jiancheng Jiang and Y. V. Hui. Spectral density estimation with amplitude modulation and outlier detection. *Annals of the Institute of Statistical Mathematics*, 56(4):611–630, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506479>.

**Seidel:2004:TLM**

- [2449] Wilfried Seidel and Hana Sevcíková. Types of likelihood maxima in mixture models and their implication on the performance of tests. *Annals of the Institute of Statistical Mathematics*, 56(4):631–654, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02506480>.

**Adam:2004:CCM**

- [2450] Maria Adam and John Maroulas. Canonical correlations in multi-way layout. *Annals of the Institute of Statistical Mathematics*, 56(4):655–666, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506481>.

**DeUna-alvarez:2004:NEU**

- [2451] Jacobo De Uña-Álvarez. Nonparametric estimation under length-biased sampling and Type I censoring: A moment based approach. *Annals of the Institute of Statistical Mathematics*, 56(4):667–681, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506482>.

**Gomes:2004:AWL**

- [2452] Antonio Eduardo Gomes. Asymptotics for a weighted least squares estimator of the disease onset distribution function for a survival-sacrifice model. *Annals of the Institute of Statistical Mathematics*, 56(4):683–700, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506483>.

**Ozturk:2004:ORR**

- [2453] Omer Ozturk and Steven N. MacEachern. Order restricted randomized designs for control versus treatment comparison. *Annals of the Institute of Statistical Mathematics*, 56(4):



701–720, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506484>.

**Gupta:2004:SCR**

- [2454] Ramesh C. Gupta and Mohammad Ahsanullah. Some characterization results based on the conditional expectation of a function of non-adjacent order statistic (record value). *Annals of the Institute of Statistical Mathematics*, 56(4):721–732, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506485>.

**Jones:2004:MDD**

- [2455] M. C. Jones. The Möbius distribution on the disc. *Annals of the Institute of Statistical Mathematics*, 56(4):733–742, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506486>.

**Buchmann:2004:DPR**

- [2456] Boris Buchmann and Rudolf Grübel. Decomposing Poisson random sums: Recursively truncated estimates in the discrete case. *Annals of the Institute of Statistical Mathematics*, 56(4):743–756, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506487>.

**Sheena:2004:NED**

- [2457] Yo Sheena and Arjun K. Gupta. New estimators of discriminant coef-

ficients as the gradient of log-odds. *Annals of the Institute of Statistical Mathematics*, 56(4):757–770, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506488>.

**Chen:2004:AAA**

- [2458] Zhiqiang Chen and Evarist Giné. Another approach to asymptotics and bootstrap of randomly trimmed means. *Annals of the Institute of Statistical Mathematics*, 56(4):771–790, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506489>.

**Vidal-Sanz:2004:UCD**

- [2459] Jose M. Vidal-Sanz and Miguel A. Delgado. Universal consistency of delta estimators. *Annals of the Institute of Statistical Mathematics*, 56(4):791–818, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506490>.

**Harel:2004:UCC**

- [2460] Michel Harel and Madan L. Puri. Universally consistent conditional  $U$ -statistics for absolutely regular processes and its applications for hidden Markov models. *Annals of the Institute of Statistical Mathematics*, 56(4):819–832, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506491>.



**Anonymous:2004:A**

- [2461] Anonymous. Acknowledgement. *Annals of the Institute of Statistical Mathematics*, 56(4):833–835, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506492>.

**Anonymous:2004:HCd**

- [2462] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 56(4):??, December 2004. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Tanaka:2005:SCM**

- [2463] Kentaro Tanaka and Akimichi Takemura. Strong consistency of MLE for finite uniform mixtures when the scale parameters are exponentially small. *Annals of the Institute of Statistical Mathematics*, 57(1):1–19, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506875>.

**Pozdnyakov:2005:MAS**

- [2464] Vladimir Pozdnyakov, Joseph Glaz, Martin Kulldorff, and J. Michael Steele. A martingale approach to scan statistics. *Annals of the Institute of Statistical Mathematics*, 57(1):21–37, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506876>.

**Kirmani:2005:RSS**

- [2465] S. Kirmani and J. Wesolowski. Regressions for sums of squares of spacings. *Annals of the Institute of Statis-*

*tical Mathematics*, 57(1):39–47, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506877>.

**Inoue:2005:GPU**

- [2466] Kiyoshi Inoue and Sigeo Aki. A generalized Pólya urn model and related multivariate distributions. *Annals of the Institute of Statistical Mathematics*, 57(1):49–59, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506878>.

**Tse:2005:QPL**

- [2467] Szeman Tse. Quantile process for left truncated and right censored data. *Annals of the Institute of Statistical Mathematics*, 57(1):61–69, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506879>.

**Mrkvicka:2005:OLU**

- [2468] Tomáš Mrkvicka and Ilya Molchanov. Optimisation of linear unbiased intensity estimators for point processes. *Annals of the Institute of Statistical Mathematics*, 57(1):71–81, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506880>.

**Wong:2005:JMC**

- [2469] Heung Wong, W. K. Li, and Shiqing Ling. Joint modeling of cointegration and conditional heteroscedasticity with applications. *Annals of the Institute of*



*Statistical Mathematics*, 57(1):83–103, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506881>.

**Kim:2005:TIT**

- [2470] Eunhee Kim and Sangyeol Lee. A test for independence of two stationary infinite order autoregressive processes. *Annals of the Institute of Statistical Mathematics*, 57(1):105–127, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506882>.

**Marchand:2005:IMR**

- [2471] Éric Marchand and William E. Strawderman. Improving on the minimum risk equivariant estimator of a location parameter which is constrained to an interval or a half-interval. *Annals of the Institute of Statistical Mathematics*, 57(1):129–143, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506883>.

**Maruyama:2005:SMA**

- [2472] Yuzo Maruyama and Katsunori Iwasaki. Sensitivity of minimaxity and admissibility in the estimation of a positive normal mean. *Annals of the Institute of Statistical Mathematics*, 57(1):145–156, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506884>.

**Maruyama:2005:NCD**

- [2473] Yuzo Maruyama and William E. Strawderman. Necessary conditions for dominating the James–Stein estimator. *Annals of the Institute of Statistical Mathematics*, 57(1):157–165, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506885>.

**Xiao:2005:MCB**

- [2474] Yushan Xiao, Yoshikazu Takada, and Ningzhong Shi. Minimax confidence bound of the normal mean under an asymmetric loss function. *Annals of the Institute of Statistical Mathematics*, 57(1):167–182, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506886>.

**Matsui:2005:ECF**

- [2475] Muneya Matsui and Akimichi Take-mura. Empirical characteristic function approach to goodness-of-fit tests for the Cauchy distribution with parameters estimated by MLE or EISE. *Annals of the Institute of Statistical Mathematics*, 57(1):183–199, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02506887>.

**Anonymous:2005:HCa**

- [2476] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 57(1):??, March 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).



**Beran:2005:AFM**

- [2477] Rodolf Beran. ASP fits to multi-way layouts. *Annals of the Institute of Statistical Mathematics*, 57(2):201–220, June 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02507022>.

**Ma:2005:SST**

- [2478] Chunsheng Ma. Semiparametric spatio-temporal covariance models with the ARMA temporal margin. *Annals of the Institute of Statistical Mathematics*, 57(2):221–233, June 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02507023>.

**Delouille:2005:ENA**

- [2479] Véronique Delouille and Rainer von Sachs. Estimation of nonlinear autoregressive models using design-adapted wavelets. *Annals of the Institute of Statistical Mathematics*, 57(2):235–253, June 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02507024>.

**Dixon:2005:FIS**

- [2480] John R. Dixon, Michael R. Kosorok, and Bee Leng Lee. Functional inference in semiparametric models using the piggyback bootstrap. *Annals of the Institute of Statistical Mathematics*, 57(2):255–277, June 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02507025>.

**Cheung:2005:VES**

- [2481] K. Y. Cheung and Stephen M. S. Lee. Variance estimation for sample quantiles using the  $m$  out of  $n$  bootstrap. *Annals of the Institute of Statistical Mathematics*, 57(2):279–290, June 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02507026>.

**Lachout:2005:SCE**

- [2482] Petr Lachout, Eckhard Liebscher, and Silvia Vogel. Strong convergence of estimators as  $\epsilon_n$ -minimisers of optimisation problems of optimisation problems. *Annals of the Institute of Statistical Mathematics*, 57(2):291–313, June 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02507027>.

**Bochkina:2005:PME**

- [2483] Natalia Bochkina and Theofanis Sapatinas. On the posterior median estimators of possibly sparse sequences. *Annals of the Institute of Statistical Mathematics*, 57(2):315–351, June 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02507028>.

**Inoue:2005:JDN**

- [2484] Kiyoshi Inoue and Sigeo Aki. Joint distributions of numbers of success runs of specified lengths in linear and circular sequences. *Annals of the Institute of Statistical Mathematics*, 57(2):353–368, June 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/BF02507029>.

**Hoshino:2005:EEN**

- [2485] Nobuaki Hoshino. Engen's extended negative binomial model revisited. *Annals of the Institute of Statistical Mathematics*, 57(2):369–387, June 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02507030>.

**Genton:2005:GSE**

- [2486] Marc G. Genton and Nicola M. R. Loperfido. Generalized skew-elliptical distributions and their quadratic forms. *Annals of the Institute of Statistical Mathematics*, 57(2):389–401, June 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02507031>.

**Anonymous:2005:HCB**

- [2487] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 57(2):??, June 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Honda:2005:EAC**

- [2488] Toshio Honda. Estimation in additive Cox models by marginal integration. *Annals of the Institute of Statistical Mathematics*, 57(3):403–423, September 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02509232>.

**Fernandes:2005:CLT**

- [2489] Marcelo Fernandes and Paulo Klinger Monteiro. Central limit theorem for

asymmetric kernel functionals. *Annals of the Institute of Statistical Mathematics*, 57(3):425–442, September 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02509233>.

**Campos:2005:KES**

- [2490] Viviane S. M. Campos and Chang C. Y. Dorea. Kernel estimation for stationary density of Markov chains with general state space. *Annals of the Institute of Statistical Mathematics*, 57(3):443–453, September 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02509234>.

**Sun:2005:EMN**

- [2491] Dongchu Sun and Xiaoqian Sun. Estimation of the multivariate normal precision and covariance matrices in a star-shape model. *Annals of the Institute of Statistical Mathematics*, 57(3):455–484, September 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02509235>.

**Lin:2005:PEL**

- [2492] Lu Lin, Lixing Zhu, and K. C. Yuen. Profile empirical likelihood for parametric and semiparametric models. *Annals of the Institute of Statistical Mathematics*, 57(3):485–505, September 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02509236>.



**Janssen:2005:RST**

- [2493] Arnold Janssen. Resampling Student's  $t$ -type statistics. *Annals of the Institute of Statistical Mathematics*, 57(3): 507–529, September 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02509237>.

**Han:2005:CCG**

- [2494] Dong Han and Fugee Tsung. Comparison of the cuscore, GLRT and cusum control charts for detecting a dynamic mean change. *Annals of the Institute of Statistical Mathematics*, 57(3): 531–552, September 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02509238>.

**Lee:2005:TPC**

- [2495] Sangyeol Lee and Okyoung Na. Test for parameter change based on the estimator minimizing density-based divergence measures. *Annals of the Institute of Statistical Mathematics*, 57(3):553–573, September 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02509239>.

**Duchesne:2005:TSC**

- [2496] Pierre Duchesne. Testing for serial correlation of unknown form in cointegrated time series models. *Annals of the Institute of Statistical Mathematics*, 57(3):575–595, September 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02509240>.

**Huillet:2005:UOS**

- [2497] Thierry Huillet. Unordered and ordered sample from Dirichlet distribution. *Annals of the Institute of Statistical Mathematics*, 57(3):597–616, September 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02509241>.

**Anonymous:2005:HCc**

- [2498] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 57(3):??, September 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Nonaka:2005:NRM**

- [2499] Yoshisuke Nonaka and Sadanori Konishi. Nonlinear regression modeling using regularized local likelihood method. *Annals of the Institute of Statistical Mathematics*, 57(4):617–635, December 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02915429>.

**Chiang:2005:CBS**

- [2500] Chin-Tsang Chiang. Comparisons between simultaneous and component-wise splines for varying coefficient models. *Annals of the Institute of Statistical Mathematics*, 57(4):637–653, December 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02915430>.



**Henna:2005:ENC**

- [2501] Jogi Henna. Estimation of the number of components of finite mixtures of multivariate distributions. *Annals of the Institute of Statistical Mathematics*, 57(4):655–664, December 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02915431>.

**Walk:2005:SUC**

- [2502] Harro Walk. Strong universal consistency of smooth kernel regression estimates. *Annals of the Institute of Statistical Mathematics*, 57(4):665–685, December 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02915432>.

**Wang:2005:DMD**

- [2503] Xiaogang Wang and James V. Zidek. Derivation of mixture distributions and weighted likelihood function as minimizers of KL-divergence subject to constraints. *Annals of the Institute of Statistical Mathematics*, 57(4):687–701, December 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02915433>.

**Bandyopadhyay:2005:NSA**

- [2504] Nibedita Bandyopadhyay and Ananda Sen. Non-standard asymptotics in an inhomogeneous gamma process. *Annals of the Institute of Statistical Mathematics*, 57(4):703–732, December 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-

tronic). URL <http://link.springer.com/article/10.1007/BF02915434>.

**So:2005:NIV**

- [2505] Beong Soo So. A new instrumental variable estimation for diffusion processes. *Annals of the Institute of Statistical Mathematics*, 57(4):733–745, December 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02915435>.

**Kawczak:2005:EDF**

- [2506] Janusz Kawczak, Reg Kulperger, and Hao Yu. The empirical distribution function and partial sum process of residuals from a stationary arch with drift process. *Annals of the Institute of Statistical Mathematics*, 57(4):747–765, December 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02915436>.

**Pelletier:2005:IBS**

- [2507] Bruno Pelletier. Informative barycentres in statistics. *Annals of the Institute of Statistical Mathematics*, 57(4):767–780, December 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02915437>.

**Ubeda-Flores:2005:MVB**

- [2508] Manuel Úbeda-Flores. Multivariate versions of Blomqvist’s beta and Spearman’s footrule. *Annals of the Institute of Statistical Mathematics*, 57(4):781–788, December 2005. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02915438>.

**Shieh:2005:IBB**

- [2509] Grace S. Shieh and Richard A. Johnson. Inferences based on a bivariate distribution with von Mises marginals. *Annals of the Institute of Statistical Mathematics*, 57(4):789–802, December 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02915439>.

**Belzunce:2005:TDO**

- [2510] F. Belzunce, J. F. Pinar, and J. M. Ruiz. On testing the dilation order and HNBUE alternatives. *Annals of the Institute of Statistical Mathematics*, 57(4):803–815, December 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02915440>.

**Alaya:2005:FEG**

- [2511] Mohamed Ben Alaya and Thierry Huillet. On a functional equation generalizing the class of semistable distributions. *Annals of the Institute of Statistical Mathematics*, 57(4):817–831, December 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02915441>.

**Chang:2005:ODW**

- [2512] Fu-Chuen Chang.  $D$ -optimal designs for weighted polynomial regression — a functional approach. *Annals of the Institute of Statistical Mathematics*, 57(4):833–844, December 2005. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/BF02915442>.

**Anonymous:2005:HCd**

- [2513] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 57(4):??, December 2005. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Chakrabarti:2006:OAIa**

- [2514] Arijit Chakrabarti and Jayanta K. Ghosh. Optimality of AIC in inference about Brownian motion. *Annals of the Institute of Statistical Mathematics*, 58(1):1–20, March 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0007-7>.

**Arcones:2006:LDE**

- [2515] Miguel A. Arcones. Large deviations for  $M$ -estimators. *Annals of the Institute of Statistical Mathematics*, 58(1):21–52, March 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0017-5>.

**Ghosh:2006:ECG**

- [2516] Sucharita Ghosh and Jan Beran. On estimating the cumulant generating function of linear processes. *Annals of the Institute of Statistical Mathematics*, 58(1):53–71, March 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0009-5>.



**Fourdrinier:2006:ELP**

- [2517] Dominique Fourdrinier, William E. Strawderman, and Martin T. Wells. Estimation of a location parameter with restrictions or “vague information” for spherically symmetric distributions. *Annals of the Institute of Statistical Mathematics*, 58(1):73–92, March 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0001-0>.

**Sugiura:2006:BUT**

- [2518] Nariaki Sugiura, Hidetoshi Murakami, Seong Keon Lee, and Yasutomo Maeda. Biased and unbiased two-sided Wilcoxon tests for equal sample sizes. *Annals of the Institute of Statistical Mathematics*, 58(1):93–100, March 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0019-3>.

**Gupta:2006:STC**

- [2519] Arjun K. Gupta and Jin Xu. On some tests of the covariance matrix under general conditions. *Annals of the Institute of Statistical Mathematics*, 58(1):101–114, March 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0010-z>.

**Valenca:2006:THWa**

- [2520] Dione M. Valença and Heleno Bolfarine. Testing homogeneity in Weibull error in variables models. *Annals of the Institute of Statistical Mathematics*,

58(1):115–129, March 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0006-8>.

**Hamers:2006:NBE**

- [2521] Michael Hamers and Michael Kohler. Nonasymptotic bounds on the  $L_2$  error of neural network regression estimates. *Annals of the Institute of Statistical Mathematics*, 58(1):131–151, March 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0005-9>.

**Roy:2006:FMG**

- [2522] Surupa Roy and Tathagata Banerjee. A flexible model for generalized linear regression with measurement error. *Annals of the Institute of Statistical Mathematics*, 58(1):153–169, March 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0002-z>.

**Balaji:2006:ELDa**

- [2523] Srinivasan Balaji and Hosam M. Mahmoud. Exact and limiting distributions in diagonal Pólya processes. *Annals of the Institute of Statistical Mathematics*, 58(1):171–185, March 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0012-x>.

**Cekanavicius:2006:CBAa**

- [2524] Vydas Cekanavicius and Bero Roos. Compound binomial approximations.



*Annals of the Institute of Statistical Mathematics*, 58(1):187–210, March 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0018-4>.

**Anonymous:2006:HCa**

- [2525] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 58(1):??, March 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Lee:2006:TPC**

- [2526] Sangyeol Lee, Yoichi Nishiyama, and Nakahiro Yoshida. Test for parameter change in diffusion processes by Cusum statistics based on one-step estimators. *Annals of the Institute of Statistical Mathematics*, 58(2):211–222, June 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0037-9>.

**Schoenberg:2006:NSM**

- [2527] Frederic Paik Schoenberg. On non-simple marked point processes. *Annals of the Institute of Statistical Mathematics*, 58(2):223–233, June 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0003-y>.

**vanLieshout:2006:FMP**

- [2528] M. N. M. van Lieshout. A  $J$ -function for marked point patterns. *Annals of the Institute of Statistical Mathematics*, 58(2):235–259, June 2006. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0015-7>.

**Falk:2006:TTI**

- [2529] Michael Falk and René Michel. Testing for tail independence in extreme value models. *Annals of the Institute of Statistical Mathematics*, 58(2):261–290, June 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0016-6>.

**Fu:2006:WTD**

- [2530] James C. Fu and W. Y. Wendy Lou. Waiting time distributions of simple and compound patterns in a sequence of  $r$ -th order Markov dependent multi-state trials. *Annals of the Institute of Statistical Mathematics*, 58(2):291–310, June 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0038-8>.

**Baba:2006:MC**

- [2531] Kunihiro Baba and Ritei Shibata. Multiplicative correlations. *Annals of the Institute of Statistical Mathematics*, 58(2):311–326, June 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0036-x>.

**Lee:2006:EKL**

- [2532] Young Kyung Lee and Byeong U. Park. Estimation of Kullback–Leibler divergence by local likelihood. *Annals of*



*the Institute of Statistical Mathematics*, 58(2):327–340, June 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0014-8>.

**Basu:2006:REP**

- [2533] Srabashi Basu, Ayanendranath Basu, and M. C. Jones. Robust and efficient parametric estimation for censored survival data. *Annals of the Institute of Statistical Mathematics*, 58(2):341–355, June 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0004-x>.

**Ould-Said:2006:APN**

- [2534] Elias Ould-Saïd and Mohamed Lemdani. Asymptotic properties of a nonparametric regression function estimator with randomly truncated data. *Annals of the Institute of Statistical Mathematics*, 58(2):357–378, June 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0011-y>.

**Yatracos:2006:CSP**

- [2535] Yannis G. Yatracos. On consistent statistical procedures in regression. *Annals of the Institute of Statistical Mathematics*, 58(2):379–387, June 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0021-9>.

**Martins-Filho:2006:NUS**

- [2536] Carlos Martins-Filho and Feng Yao. A note on the use of  $V$  and  $U$  statistics in nonparametric models of regression. *Annals of the Institute of Statistical Mathematics*, 58(2):389–406, June 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0034-z>.

**Dette:2006:LOD**

- [2537] Holger Dette, Viatcheslav B. Melas, and Andrey Pepelyshev. Local  $c$ - and  $E$ -optimal designs for exponential regression models. *Annals of the Institute of Statistical Mathematics*, 58(2):407–426, June 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0031-2>.

**Anonymous:2006:HCb**

- [2538] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 58(2):??, June 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Chang:2006:ARG**

- [2539] In Hong Chang and Rahul Mukerjee. Asymptotic results on a general class of empirical statistics: Power and confidence interval properties. *Annals of the Institute of Statistical Mathematics*, 58(3):427–440, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0040-1>.



**Tsao:2006:CET**

- [2540] C. Andy. Tsao and Yu-Ling Tseng. Confidence estimation for tolerance intervals. *Annals of the Institute of Statistical Mathematics*, 58(3):441–456, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0008-6>.

**Ghosh:2006:LB**

- [2541] Malay Ghosh, Gauri Sankar Datta, Dalho Kim, and Trevor J. Sweeting. Likelihood-based inference for the ratios of regression coefficients in linear models. *Annals of the Institute of Statistical Mathematics*, 58(3):457–473, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0027-3>.

**Fokianos:2006:EMD**

- [2542] Konstantinos Fokianos and Irene Kaimi. On the effect of misspecifying the density ratio model. *Annals of the Institute of Statistical Mathematics*, 58(3):475–497, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0022-8>.

**Wu:2006:ITA**

- [2543] Changchun Wu and Runchu Zhang. An information-theoretic approach to the effective usage of auxiliary information from survey data. *Annals of the Institute of Statistical Mathematics*, 58(3):499–509, September 2006. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0013-9>.

**Ma:2006:APE**

- [2544] Shuangge Ma and Michael R. Kosorok. Adaptive penalized  $M$ -estimation with current status data. *Annals of the Institute of Statistical Mathematics*, 58(3):511–526, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0026-4>.

**Al-Jarallah:2006:CPS**

- [2545] R. A. Al-Jarallah, A. R. Soltani, and N. A. Al-Kandari. On continuity of the Pearson statistic and sample quantiles. *Annals of the Institute of Statistical Mathematics*, 58(3):527–535, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0028-2>.

**Kotwal:2006:JDR**

- [2546] K. S. Kotwal and R. L. Shinde. Joint distributions of runs in a sequence of higher-order two-state Markov trials. *Annals of the Institute of Statistical Mathematics*, 58(3):537–554, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0024-6>.

**Kozubowski:2006:SLD**

- [2547] Tomasz J. Kozubowski and Seidu Inusah. A skew Laplace distribution on integers. *Annals of the Institute of Statistical Mathematics*, 58



(3):555–571, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0029-1>.

**Kamae:2006:SPR**

- [2548] Teturo Kamae and Hayato Takahashi. Statistical problems related to irrational rotations. *Annals of the Institute of Statistical Mathematics*, 58(3): 573–593, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0023-7>.

**Balakrishnan:2006:CTW**

- [2549] N. Balakrishnan and Po Yang. Classification of three-word indicator functions of two-level factorial designs. *Annals of the Institute of Statistical Mathematics*, 58(3):595–608, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0033-0>.

**Balakrishnan:2006:CBR**

- [2550] N. Balakrishnan and Po Yang. Connections between the resolutions of general two-level factorial designs. *Annals of the Institute of Statistical Mathematics*, 58(3):609–618, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0020-x>.

**Abraham:2006:KRF**

- [2551] C. Abraham, G. Biau, and B. Cadre. On the kernel rule for function clas-

sification. *Annals of the Institute of Statistical Mathematics*, 58(3): 619–633, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0032-1>.

**Chanda:2006:SPS**

- [2552] Kamal C. Chanda. Sampling properties of  $U$ -statistics for a class of stationary nonlinear processes. *Annals of the Institute of Statistical Mathematics*, 58(3):635–646, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0030-3>.

**Anonymous:2006:HCC**

- [2553] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 58(3):??, September 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Sugimoto:2006:PEB**

- [2554] Tomoyuki Sugimoto and Toshimitsu Hamasaki. Properties of estimators of baseline hazard functions in a semi-parametric cure model. *Annals of the Institute of Statistical Mathematics*, 58(4):647–674, December 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0041-0>.

**Tse:2006:LCT**

- [2555] Sze-Man Tse. Lorenz curve for truncated and censored data. *Annals of the Institute of Statistical Mathematics*, 58(4):675–686, December 2006. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0039-7>.

**Zhang:2006:SML**

- [2556] Zhiwei Zhang and Howard E. Rockette. Semiparametric maximum likelihood for missing covariates in parametric regression. *Annals of the Institute of Statistical Mathematics*, 58(4):687–706, December 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0047-7>.

**Zhang:2006:PEL**

- [2557] Biao Zhang. A partial empirical likelihood based score test under a semiparametric finite mixture model. *Annals of the Institute of Statistical Mathematics*, 58(4):707–719, December 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0043-y>.

**Betro:2006:GMT**

- [2558] Bruno Betrò, Antonella Bodini, and Alessandra Guglielmi. Generalized moment theory and Bayesian robustness analysis for hierarchical mixture models. *Annals of the Institute of Statistical Mathematics*, 58(4):721–738, December 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0046-8>.

**Oono:2006:EEV**

- [2559] Youhei Oono and Nobuo Shinozaki. Estimation of error variance in ANOVA model and order restricted scale parameters. *Annals of the Institute of Statistical Mathematics*, 58(4):739–756, December 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-005-0025-5>.

**Balakrishnan:2006:CIQ**

- [2560] N. Balakrishnan and T. Li. Confidence intervals for quantiles and tolerance intervals based on ordered ranked set samples. *Annals of the Institute of Statistical Mathematics*, 58(4):757–777, December 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0035-y>.

**Antoniadis:2006:WBE**

- [2561] Anestis Antoniadis, Andrey Feuerverger, and Paulo Gonçalves. Wavelet-based estimation for univariate stable laws. *Annals of the Institute of Statistical Mathematics*, 58(4):779–807, December 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0042-z>.

**Valenca:2006:THWb**

- [2562] Dione M. Valença and Heleno Bolfarine. Testing homogeneity in Weibull error in variables models. *Annals of the Institute of Statistical Mathematics*, 58(4):809, December 2006. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-006-0091-3>.

**Chakrabarti:2006:OAIb**

- [2563] Arijit Chakrabarti and Jayanta K. Ghosh. Optimality of AIC in inference about Brownian motion. *Annals of the Institute of Statistical Mathematics*, 58(4):811, December 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-006-0092-2>.

**Balaji:2006:ELDb**

- [2564] Srinivasan Balaji and Hosam M. Mahmoud. Exact and limiting distributions in diagonal Pólya processes. *Annals of the Institute of Statistical Mathematics*, 58(4):813, December 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-006-0093-1>.

**Cekanavicius:2006:CBAb**

- [2565] Vydas Cekanavicius and Bero Roos. Compound binomial approximations. *Annals of the Institute of Statistical Mathematics*, 58(4):815, December 2006. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-006-0094-0>.

**Anonymous:2006:HCd**

- [2566] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 58(4):??, December 2006. CODEN

AIAXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Amari:2007:P**

- [2567] Shun ichi Amari and Shiro Ikeda. Preface. *Annals of the Institute of Statistical Mathematics*, 59(1):1–2, March 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-006-0104-2>.

**Fujimoto:2007:MEA**

- [2568] Yu Fujimoto and Noboru Murata. A modified EM algorithm for mixture models based on Bregman divergence. *Annals of the Institute of Statistical Mathematics*, 59(1):3–25, March 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0097-x>.

**Cena:2007:ESM**

- [2569] Alberto Cena and Giovanni Pistone. Exponential statistical manifold. *Annals of the Institute of Statistical Mathematics*, 59(1):27–56, March 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0096-y>.

**Kawanabe:2007:NAN**

- [2570] Motoaki Kawanabe, Masashi Sugiyama, Gilles Blanchard, and Klaus-Robert Müller. A new algorithm of non-Gaussian component analysis with radial kernel functions. *Annals of the Institute of Statistical Mathematics*,



- 59(1):57–75, March 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0098-9>.
- Dawid:2007:GPS**
- [2571] A. P. Dawid. The geometry of proper scoring rules. *Annals of the Institute of Statistical Mathematics*, 59(1):77–93, March 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0099-8>.
- Marriott:2007:ELM**
- [2572] Paul Marriott. Extending local mixture models. *Annals of the Institute of Statistical Mathematics*, 59(1):95–110, March 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0100-6>.
- Anaya-Izquierdo:2007:LME**
- [2573] K. A. Anaya-Izquierdo and P. K. Marriott. Local mixtures of the exponential distribution. *Annals of the Institute of Statistical Mathematics*, 59(1):111–134, March 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0095-z>.
- Komaki:2007:BPB**
- [2574] Fumiyasu Komaki. Bayesian prediction based on a class of shrinkage priors for location-scale models. *Annals of the Institute of Statistical Mathematics*, 59(1):135–146, March 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0102-4>.
- Gibilisco:2007:UPQ**
- [2575] Paolo Gibilisco and Tommaso Isola. Uncertainty principle and quantum Fisher information. *Annals of the Institute of Statistical Mathematics*, 59(1):147–159, March 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0103-3>.
- Zhang:2007:NCC**
- [2576] Jun Zhang. A note on curvature of  $\alpha$ -connections of a statistical manifold. *Annals of the Institute of Statistical Mathematics*, 59(1):161–170, March 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0105-1>.
- Anonymous:2007:HCa**
- [2577] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 59(1):??, March 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).
- Beran:2007:MPR**
- [2578] Rudolf Beran. Multiple penalty regression: Fitting and extrapolating a discrete incomplete multi-way layout. *Annals of the Institute of Statistical Mathematics*, 59(2):171–195, June 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0050-z>.



**Banerjee:2007:TAR**

- [2579] Tathagata Banerjee and Atanu Biswas. Testing for the absence of random effects in a two-way nested design with mixed effects model: A nonparametric approach. *Annals of the Institute of Statistical Mathematics*, 59(2):197–210, June 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0049-5>.

**Sun:2007:EMN**

- [2580] Xiaoqian Sun and Dongchu Sun. Estimation of a multivariate normal covariance matrix with staircase pattern data. *Annals of the Institute of Statistical Mathematics*, 59(2):211–233, June 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0044-x>.

**Gijbels:2007:JPR**

- [2581] Irène Gijbels, Alexandre Lambert, and Peihua Qiu. Jump-preserving regression and smoothing using local linear fitting: A compromise. *Annals of the Institute of Statistical Mathematics*, 59(2):235–272, June 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0045-9>.

**Heuchenne:2007:PRC**

- [2582] Cédric Heuchenne and Ingrid Van Keilegom. Polynomial regression with censored data based on preliminary nonparametric estimation. *Annals of the Institute of Statistical Mathematics*,

59(2):273–297, June 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0066-4>.

**Li:2007:MIS**

- [2583] Linyuan Li and Yimin Xiao. Mean integrated squared error of nonlinear wavelet-based estimators with long memory data. *Annals of the Institute of Statistical Mathematics*, 59(2):299–324, June 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0048-6>.

**Mena:2007:SVG**

- [2584] Ramsés H. Mena and Stephen G. Walker. On the stationary version of the generalized hyperbolic ARCH model. *Annals of the Institute of Statistical Mathematics*, 59(2):325–348, June 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0052-x>.

**Chopin:2007:DDC**

- [2585] Nicolas Chopin. Dynamic detection of change points in long time series. *Annals of the Institute of Statistical Mathematics*, 59(2):349–366, June 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0053-9>.

**Miao:2007:ANR**

- [2586] Baiqi Miao, Yuehua Wu, Donghai Liu, and Qian Tong. Asymptotic normal-



ity of the recursive  $M$ -estimators of the scale parameters. *Annals of the Institute of Statistical Mathematics*, 59(2):367–384, June 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0051-y>.

**Omelka:2007:SOL**

- [2587] Marek Omelka. Second-order linearity of Wilcoxon statistics. *Annals of the Institute of Statistical Mathematics*, 59(2):385–402, June 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0054-8>.

**Anonymous:2007:HCB**

- [2588] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 59(2):??, June 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Cappuccio:2007:AND**

- [2589] Nunzio Cappuccio and Diego Lubian. Asymptotic null distributions of stationarity and nonstationarity tests under local-to-finite variance errors. *Annals of the Institute of Statistical Mathematics*, 59(3):403–423, September 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0060-x>.

**Abramovich:2007:POB**

- [2590] Felix Abramovich, Claudia Angelini, and Daniela De Canditiis. Pointwise optimality of Bayesian wavelet

estimators. *Annals of the Institute of Statistical Mathematics*, 59(3):425–434, September 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0071-7>.

**Fourdrinier:2007:IMS**

- [2591] D. Fourdrinier and S. Pergamenshchikov. Improved model selection method for a regression function with dependent noise. *Annals of the Institute of Statistical Mathematics*, 59(3):435–464, September 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0063-7>.

**Kluszczyński:2007:ISP**

- [2592] R. Kluszczyński, M. N. M. van Lieshout, and T. Schreiber. Image segmentation by polygonal Markov fields. *Annals of the Institute of Statistical Mathematics*, 59(3):465–486, September 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0062-8>.

**Durante:2007:GAC**

- [2593] Fabrizio Durante, José Juan Quesada-Molina, and Carlo Sempi. A generalization of the Archimedean class of bivariate copulas. *Annals of the Institute of Statistical Mathematics*, 59(3):487–498, September 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0061-9>.



**Royen:2007:IRA**

- [2594] T. Royen. Integral representations and approximations for multivariate gamma distributions. *Annals of the Institute of Statistical Mathematics*, 59(3):499–513, September 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0057-5>.

**Zavala:2007:CET**

- [2595] Arturo A. Z. Zavala, Heleno Bolfarine, and Mário de Castro. Consistent estimation and testing in heteroscedastic polynomial errors-in-variables models. *Annals of the Institute of Statistical Mathematics*, 59(3):515–530, September 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0069-1>.

**Harrar:2007:AEN**

- [2596] Solomon W. Harrar and Arjun K. Gupta. Asymptotic expansion for the null distribution of the  $F$ -statistic in one-way ANOVA under non-normality. *Annals of the Institute of Statistical Mathematics*, 59(3):531–556, September 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0055-7>.

**Vellaisamy:2007:SCR**

- [2597] P. Vellaisamy and V. Vijay. Some collapsibility results for  $n$ -dimensional contingency tables. *Annals of the Institute of Statistical Mathematics*, 59(3):557–576, September 2007. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0058-4>.

**Inoue:2007:JDN**

- [2598] Kiyoshi Inoue and Sigeo Aki. Joint distributions of numbers of runs of specified lengths in a sequence of Markov dependent multistate trials. *Annals of the Institute of Statistical Mathematics*, 59(3):577–595, September 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0056-6>.

**Aki:2007:WTF**

- [2599] Sigeo Aki and Katuomi Hirano. On the waiting time for the first success run. *Annals of the Institute of Statistical Mathematics*, 59(3):597–602, September 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0059-3>.

**da-Silva:2007:APS**

- [2600] Cibele Queiroz da Silva. Asymptotics for a population size estimator of a partially uncachable population. *Annals of the Institute of Statistical Mathematics*, 59(3):603–615, September 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0065-5>.

**Anonymous:2007:HCc**

- [2601] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 59(3):??, September 2007. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Efromovich:2007:ONE**

- [2602] Sam Efromovich. Optimal nonparametric estimation of the density of regression errors with finite support. *Annals of the Institute of Statistical Mathematics*, 59(4):617–654, December 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0067-3>.

**Dette:2007:ODE**

- [2603] Holger Dette, Viatcheslav B. Melas, and Piter Shpilev. Optimal designs for estimating the coefficients of the lower frequencies in trigonometric regression models. *Annals of the Institute of Statistical Mathematics*, 59(4):655–673, December 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0068-2>.

**Yu:2007:BJT**

- [2604] Qiqing Yu, George Y. C. Wong, and Menggang Yu. Buckley–James-type of estimators under the classical case cohort design. *Annals of the Institute of Statistical Mathematics*, 59(4):675–695, December 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0086-0>.

**Poskitt:2007:AAN**

- [2605] D. S. Poskitt. Autoregressive approximation in nonstandard situations:

the fractionally integrated and non-invertible cases. *Annals of the Institute of Statistical Mathematics*, 59(4):697–725, December 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0074-4>.

**Rapallo:2007:TSM**

- [2606] Fabio Rapallo. Toric statistical models: parametric and binomial representations. *Annals of the Institute of Statistical Mathematics*, 59(4):727–740, December 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0079-z>.

**Hassenforder:2007:EDL**

- [2607] Claudie Hassenforder and Sabine Mercier. Exact distribution of the local score for Markovian sequences. *Annals of the Institute of Statistical Mathematics*, 59(4):741–755, December 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0064-6>.

**Ghosh:2007:EPA**

- [2608] Kaushik Ghosh and Ram C. Tiwari. Empirical process approach to some two-sample problems based on ranked set samples. *Annals of the Institute of Statistical Mathematics*, 59(4):757–787, December 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0073-5>.



**Taylor:2007:MMC**

- [2609] M. D. Taylor. Multivariate measures of concordance. *Annals of the Institute of Statistical Mathematics*, 59(4): 789–806, December 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0076-2>.

**Takane:2007:CGI**

- [2610] Yoshio Takane, Yongge Tian, and Haruo Yanai. On constrained generalized inverses of matrices and their properties. *Annals of the Institute of Statistical Mathematics*, 59(4):807–820, December 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0075-3>.

**Anonymous:2007:HCd**

- [2611] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 59(4):??, December 2007. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Aoyama:2008:FPT**

- [2612] Kazuki Aoyama, Kunio Shimizu, and S. H. Ong. A first-passage time random walk distribution with five transition probabilities: a generalization of the shifted inverse trinomial. *Annals of the Institute of Statistical Mathematics*, 60(1):1–20, March 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0084-2>.

**Zychaluk:2008:CVM**

- [2613] Kamila Zychaluk and Prakash N. Patil. A cross-validation method for data with ties in kernel density estimation. *Annals of the Institute of Statistical Mathematics*, 60(1):21–44, March 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0077-1>.

**Antognini:2008:RGE**

- [2614] Alessandro Baldi Antognini, Paola Bortot, and Alessandra Giovagnoli. Randomized group up and down experiments. *Annals of the Institute of Statistical Mathematics*, 60(1):45–59, March 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0081-5>.

**Boik:2008:ACI**

- [2615] Robert J. Boik. Accurate confidence intervals in regression analyses of non-normal data. *Annals of the Institute of Statistical Mathematics*, 60(1):61–83, March 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0085-1>.

**Fourdrinier:2008:EGF**

- [2616] D. Fourdrinier and P. Lepelletier. Estimating a general function of a quadratic function. *Annals of the Institute of Statistical Mathematics*, 60(1):85–119, March 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0086-2>.



//link.springer.com/article/10.1007/s10463-006-0072-6.

**Zhang:2008:EMP**

- [2617] Zhengjun Zhang. The estimation of M4 processes with geometric moving patterns. *Annals of the Institute of Statistical Mathematics*, 60(1):121–150, March 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0078-0>.

**Balakrishnan:2008:PCH**

- [2618] N. Balakrishnan and Erhard Cramer. Progressive censoring from heterogeneous distributions with applications to robustness. *Annals of the Institute of Statistical Mathematics*, 60(1):151–171, March 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0070-8>.

**Koutras:2008:BMC**

- [2619] M. V. Koutras, S. Bersimis, and D. L. Antzoulakos. Bivariate Markov chain embeddable variables of polynomial type. *Annals of the Institute of Statistical Mathematics*, 60(1):173–191, March 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0080-6>.

**Pozdnyakov:2008:OSM**

- [2620] Vladimir Pozdnyakov. On occurrence of subpattern and method of gambling teams. *Annals of the Institute of Statistical Mathematics*, 60(1):193–203, March 2008. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0082-4>.

**Field:2008:SAMa**

- [2621] Chris Field, John Robinson, and Elvezio Ronchetti. Saddlepoint approximations for multivariate  $M$ -estimates with applications to bootstrap accuracy. *Annals of the Institute of Statistical Mathematics*, 60(1):205–224, March 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0083-3>.

**Field:2008:SAMb**

- [2622] Chris Field, John Robinson, and Elvezio Ronchetti. Saddlepoint approximations for multivariate  $M$ -estimates with applications to bootstrap accuracy. *Annals of the Institute of Statistical Mathematics*, 60(1):225–227, March 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0101-5>.

**Anonymous:2008:HCa**

- [2623] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 60(1):??, March 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Aoki:2008:MIM**

- [2624] Satoshi Aoki and Akimichi Takemura. Minimal invariant Markov basis for sampling contingency tables with fixed marginals. *Annals of the Institute of Statistical Mathematics*, 60(2):229–256,



June 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0089-x>.

**Nkiet:2008:CED**

- [2625] Guy Martial Nkiet. Consistent estimation of the dimensionality in sliced inverse regression. *Annals of the Institute of Statistical Mathematics*, 60(2):257–271, June 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0106-0>.

**Molanes-Lopez:2008:PBS**

- [2626] Elisa María Molanes-López and Ricardo Cao. Plug-in bandwidth selector for the kernel relative density estimator. *Annals of the Institute of Statistical Mathematics*, 60(2):273–300, June 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0108-y>.

**Chacko:2008:EPM**

- [2627] Manoj Chacko and P. Yageen Thomas. Estimation of a parameter of Morgenstern type bivariate exponential distribution by ranked set sampling. *Annals of the Institute of Statistical Mathematics*, 60(2):301–318, June 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0088-y>.

**Feng:2008:LLR**

- [2628] Qunqiang Feng, Hosam M. Mahmoud, and Alois Panholzer. Limit laws for

the Randić index of random binary tree models. *Annals of the Institute of Statistical Mathematics*, 60(2):319–343, June 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0107-z>.

**Davydov:2008:WCR**

- [2629] Youri Davydov and Ricardas Zitikis. On weak convergence of random fields. *Annals of the Institute of Statistical Mathematics*, 60(2):345–365, June 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0090-4>.

**Hayashi:2008:ANC**

- [2630] Takaki Hayashi and Nakahiro Yoshida. Asymptotic normality of a covariance estimator for nonsynchronously observed diffusion processes. *Annals of the Institute of Statistical Mathematics*, 60(2):367–406, June 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0138-0>.

**Hyndman:2008:APS**

- [2631] Rob J. Hyndman, Muhammad Akram, and Blyth C. Archibald. The admissible parameter space for exponential smoothing models. *Annals of the Institute of Statistical Mathematics*, 60(2):407–426, June 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0109-x>.



**Wang:2008:SSS**

- [2632] Jiantian Wang. Small-sample studies on right censored data with discrete failure times. *Annals of the Institute of Statistical Mathematics*, 60(2):427–440, June 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0087-z>.

**Zhao:2008:ELI**

- [2633] Yichuan Zhao and Song Yang. Empirical likelihood inference for censored median regression with weighted empirical hazard functions. *Annals of the Institute of Statistical Mathematics*, 60(2):441–457, June 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0110-4>.

**Bouzar:2008:SSDa**

- [2634] Nadjib Bouzar. The semi-Sibuya distribution. *Annals of the Institute of Statistical Mathematics*, 60(2):459–464, June 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0118-4>.

**Anonymous:2008:HCb**

- [2635] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 60(2):??, June 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Nakashima:2008:CMO**

- [2636] Eiji Nakashima, Kazuo Neriishi, and Atsushi Minamoto. Comparison of

methods for ordinal lens opacity data from atomic-bomb survivors: univariate worse-eye method and bivariate GEE method using global odds ratio. *Annals of the Institute of Statistical Mathematics*, 60(3):465–482, September 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0113-9>.

**Solari:2008:SRB**

- [2637] Fabrizio Solari, Brunero Liseo, and Dongchu Sun. Some remarks on Bayesian inference for one-way ANOVA models. *Annals of the Institute of Statistical Mathematics*, 60(3):483–498, September 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0117-5>.

**Sun:2008:BHL**

- [2638] Dongchu Sun and Paul L. Speckman. Bayesian hierarchical linear mixed models for additive smoothing splines. *Annals of the Institute of Statistical Mathematics*, 60(3):499–517, September 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0127-3>.

**Ojeda:2008:BAM**

- [2639] J. L. Ojeda, J. A. Cristóbal, and J. T. Alcalá. A bootstrap approach to model checking for linear models under length-biased data. *Annals of the Institute of Statistical Mathematics*, 60(3):519–543, September 2008. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-006-0111-3>.

**Lu:2008:MLE**

- [2640] Wenbin Lu. Maximum likelihood estimation in the proportional hazards cure model. *Annals of the Institute of Statistical Mathematics*, 60(3): 545–574, September 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0120-x>.

**Shen:2008:ELC**

- [2641] Junshan Shen and Shuyuan He. Empirical likelihood confidence intervals for hazard and density functions under right censorship. *Annals of the Institute of Statistical Mathematics*, 60(3):575–589, September 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0114-8>.

**Nair:2008:SRL**

- [2642] N. Unnikrishnan Nair and K. K. Sudheesh. Some results on lower variance bounds useful in reliability modeling and estimation. *Annals of the Institute of Statistical Mathematics*, 60(3): 591–603, September 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0119-3>.

**Beutner:2008:NIS**

- [2643] Eric Beutner. Nonparametric inference for sequential  $k$ -out-of- $n$  systems. *Annals of the Institute of Statistical*

*Mathematics*, 60(3):605–626, September 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0115-7>.

**Baddeley:2008:PRS**

- [2644] A. Baddeley, J. Møller, and A. G. Pakes. Properties of residuals for spatial point processes. *Annals of the Institute of Statistical Mathematics*, 60(3):627–649, September 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0116-6>.

**Beirlant:2008:HOE**

- [2645] J. Beirlant, A. Berlinet, and G. Biau. Higher order estimation at Lebesgue points. *Annals of the Institute of Statistical Mathematics*, 60(3):651–677, September 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0112-x>.

**Liang:2008:SNU**

- [2646] Jiajuan Liang, Kai-Tai Fang, and Fred J. Hickernell. Some necessary uniform tests for spherical symmetry. *Annals of the Institute of Statistical Mathematics*, 60(3):679–696, September 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0121-9>.

**Anonymous:2008:HCc**

- [2647] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathemat-*



*ics*, 60(3):??, September 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Higuchi:2008:PFS**

- [2648] Tomoyuki Higuchi and Takashi Washio. Preface: Featured section on data-mining and statistical science. *Annals of the Institute of Statistical Mathematics*, 60(4):697–698, December 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-008-0208-y>.

**Sugiyama:2008:DIE**

- [2649] Masashi Sugiyama, Taiji Suzuki, Shinichi Nakajima, Hisashi Kashima, Paul von Büna, and Motoaki Kawanabe. Direct importance estimation for covariate shift adaptation. *Annals of the Institute of Statistical Mathematics*, 60(4):699–746, December 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0197-x>.

**Sheridan:2008:PAM**

- [2650] Paul Sheridan, Yuichi Yagahara, and Hidetoshi Shimodaira. A preferential attachment model with Poisson growth for scale-free networks. *Annals of the Institute of Statistical Mathematics*, 60(4):747–761, December 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0181-5>.

**Ando:2008:MBS**

- [2651] Tomohiro Ando. Measuring the baseline sales and the promotion effect for incense products: a Bayesian state-space modeling approach. *Annals of the Institute of Statistical Mathematics*, 60(4):763–780, December 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0194-0>.

**Hokimoto:2008:ALT**

- [2652] Tsukasa Hokimoto and Kunio Shimizu. An angular-linear time series model for wave-height prediction. *Annals of the Institute of Statistical Mathematics*, 60(4):781–800, December 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0207-z>.

**Kumon:2008:SSW**

- [2653] Masayuki Kumon and Akimichi Take-mura. On a simple strategy weakly forcing the strong law of large numbers in the bounded forecasting game. *Annals of the Institute of Statistical Mathematics*, 60(4):801–812, December 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0125-5>.

**Khmaladze:2008:LEP**

- [2654] Estate Khmaladze and Wolfgang Weil. Local empirical processes near boundaries of convex bodies. *Annals of the Institute of Statistical Mathematics*, 60(4):813–842, December 2008. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0123-7>.

**Beran:2008:EMM**

- [2655] Rudolf Beran. Estimating a mean matrix: boosting efficiency by multiple affine shrinkage. *Annals of the Institute of Statistical Mathematics*, 60(4):843–864, December 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0128-2>.

**Gregori:2008:PNS**

- [2656] P. Gregori, E. Porcu, J. Mateu, and Z. Sasvári. On potentially negative space time covariances obtained as sum of products of marginal ones. *Annals of the Institute of Statistical Mathematics*, 60(4):865–882, December 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0122-8>.

**Wang:2008:SON**

- [2657] Liqun Wang and Alexandre Leblanc. Second-order nonlinear least squares estimation. *Annals of the Institute of Statistical Mathematics*, 60(4):883–900, December 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0139-z>.

**Bouzar:2008:SSDb**

- [2658] Nadjib Bouzar. Semi-self-decomposable distributions on  $Z_+$ . *Annals of the Institute of Statistical Mathematics*, 60(4):901–917, December 2008. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0124-6>.

**Anonymous:2008:HCd**

- [2659] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 60(4):??, December 2008. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Kakizawa:2009:MCS**

- [2660] Yoshihide Kakizawa. Multiple comparisons of several homoscedastic multivariate populations. *Annals of the Institute of Statistical Mathematics*, 61(1):1–26, March 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0134-4>.

**Liang:2009:GPL**

- [2661] Hua Liang. Generalized partially linear mixed-effects models incorporating mismeasured covariates. *Annals of the Institute of Statistical Mathematics*, 61(1):27–46, March 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0146-0>.

**Wang:2009:SEP**

- [2662] Qi-Hua Wang. Statistical estimation in partial linear models with covariate data missing at random. *Annals of the Institute of Statistical Mathematics*, 61(1):47–84, March 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0137-1>.



**Perez-Gonzalez:2009:APL**

- [2663] A. Pérez-González, J. M. Vilar-Fernández, and W. González-Manteiga. Asymptotic properties of local polynomial regression with missing data and correlated errors. *Annals of the Institute of Statistical Mathematics*, 61(1):85–109, March 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0136-2>.

**Dette:2009:EMC**

- [2664] Holger Dette and Kay Pilz. On the estimation of a monotone conditional variance in nonparametric regression. *Annals of the Institute of Statistical Mathematics*, 61(1):111–141, March 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0126-4>.

**Biedermann:2009:COD**

- [2665] Stefanie Biedermann, Holger Dette, and Philipp Hoffmann. Constrained optimal discrimination designs for Fourier regression models. *Annals of the Institute of Statistical Mathematics*, 61(1):143–157, March 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0133-5>.

**Fruhworth-Schnatter:2009:BES**

- [2666] Sylvia Frühwirth-Schnatter and Leopold Sögnér. Bayesian estimation of stochastic volatility models based on OU processes with marginal gamma law. *Annals of the Institute of Statistical*

*Mathematics*, 61(1):159–179, March 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0130-8>.

**Masuda:2009:NEI**

- [2667] Hiroki Masuda. Notes on estimating inverse-Gaussian and gamma subordinators under high-frequency sampling. *Annals of the Institute of Statistical Mathematics*, 61(1):181–195, March 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0131-7>.

**Chiang:2009:VCM**

- [2668] Chin-Tsang Chiang and Mei-Cheng Wang. Varying-coefficient model for the occurrence rate function of recurrent events. *Annals of the Institute of Statistical Mathematics*, 61(1):197–213, March 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0129-1>.

**Marchand:2009:EBP**

- [2669] Éric Marchand and François Perron. Estimating a bounded parameter for symmetric distributions. *Annals of the Institute of Statistical Mathematics*, 61(1):215–234, March 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0132-6>.



**Ozturk:2009:ETS**

- [2670] Omer Ozturk and N. Balakrishnan. Exact two-sample nonparametric test for quantile difference between two populations based on ranked set samples. *Annals of the Institute of Statistical Mathematics*, 61(1):235–249, March 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0141-5>.

**Balakrishnan:2009:EIS**

- [2671] N. Balakrishnan, Qihao Xie, and D. Kundu. Exact inference for a simple step-stress model from the exponential distribution under time constraint. *Annals of the Institute of Statistical Mathematics*, 61(1):251–274, March 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0135-3>.

**Anonymous:2009:HCa**

- [2672] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 61(1):??, March 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Chia:2009:DSU**

- [2673] Nicholas Chia and Junji Nakano.  $\mathcal{M}$ -decomposability and symmetric unimodal densities in one dimension. *Annals of the Institute of Statistical Mathematics*, 61(2):275–289, June 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0144-2>.

[com/article/10.1007/s10463-007-0144-2](http://link.springer.com/article/10.1007/s10463-007-0144-2).

**Wei:2009:RMS**

- [2674] Wen Hsiang Wei. On regression model selection for the data with correlated errors. *Annals of the Institute of Statistical Mathematics*, 61(2):291–308, June 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0145-1>.

**Vellaisamy:2009:LLM**

- [2675] P. Vellaisamy and V. Vijay. Log-linear modeling using conditional log-linear structures. *Annals of the Institute of Statistical Mathematics*, 61(2):309–329, June 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0153-1>.

**Ando:2009:NLD**

- [2676] Tomohiro Ando and Sadanori Konishi. Nonlinear logistic discrimination via regularized radial basis functions for classifying high-dimensional data. *Annals of the Institute of Statistical Mathematics*, 61(2):331–353, June 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0143-3>.

**Alvarez:2009:BIC**

- [2677] Enrique E. Alvarez and Dipak K. Dey. Bayesian isotonic changepoint analysis. *Annals of the Institute of Statistical Mathematics*, 61(2):355–370, June 2009. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0148-y>.

**Shcherbakov:2009:MSP**

- [2678] V. Shcherbakov. On a model of sequential point patterns. *Annals of the Institute of Statistical Mathematics*, 61(2):371–390, June 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0147-z>.

**Chan:2009:MEN**

- [2679] Ngai Hang Chan and Rongmao Zhang. M-estimation in nonparametric regression under strong dependence and infinite variance. *Annals of the Institute of Statistical Mathematics*, 61(2):391–411, June 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0142-4>.

**Honda:2009:NDE**

- [2680] Toshio Honda. Nonparametric density estimation for linear processes with infinite variance. *Annals of the Institute of Statistical Mathematics*, 61(2):413–439, June 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0149-x>.

**Rao:2009:CIC**

- [2681] B. L. S. Prakasa Rao. Conditional independence, conditional mixing and conditional association. *Annals of the Institute of Statistical Mathematics*,

61(2):441–460, June 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0152-2>.

**Shen:2009:CRB**

- [2682] Pao sheng Shen. A class of rank-based test for left-truncated and right-censored data. *Annals of the Institute of Statistical Mathematics*, 61(2):461–476, June 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0151-3>.

**Berg:2009:HOA**

- [2683] Arthur Berg and Dimitris N. Politis. Higher-order accurate polyspectral estimation with flat-top lag-windows. *Annals of the Institute of Statistical Mathematics*, 61(2):477–498, June 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0154-0>.

**Inoue:2009:WTD**

- [2684] Kiyoshi Inoue and Sigeo Aki. On waiting time distributions associated with compound patterns in a sequence of multi-state trials. *Annals of the Institute of Statistical Mathematics*, 61(2):499–516, June 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0140-6>.

**Tian:2009:OPA**

- [2685] Yongge Tian and Yoshio Takane. On  $V$ -orthogonal projectors associ-



ated with a semi-norm. *Annals of the Institute of Statistical Mathematics*, 61(2):517–530, June 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0150-4>.

**Anonymous:2009:HCB**

- [2686] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 61(2):??, June 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Kato:2009:IPM**

- [2687] Kengo Kato. Improved prediction for a multivariate normal distribution with unknown mean and variance. *Annals of the Institute of Statistical Mathematics*, 61(3):531–542, September 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0163-z>.

**Visek:2009:CIW**

- [2688] Jan Ámos Vísek. Consistency of the instrumental weighted variables. *Annals of the Institute of Statistical Mathematics*, 61(3):543–578, September 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0159-8>.

**Jureckova:2009:TTI**

- [2689] Jana Jurecková, Hira L. Koul, and Jan Pícek. Testing the tail index in autoregressive models. *Annals of the Institute of Statistical Mathematics*, 61

(3):579–598, September 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0155-z>.

**Helmerts:2009:EIC**

- [2690] Roelof Helmers and I. Wayan Mangku. Estimating the intensity of a cyclic Poisson process in the presence of linear trend. *Annals of the Institute of Statistical Mathematics*, 61(3):599–628, September 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0160-2>.

**Sakamoto:2009:TOA**

- [2691] Yuji Sakamoto and Nakahiro Yoshida. Third-order asymptotic expansion of  $M$ -estimators for diffusion processes. *Annals of the Institute of Statistical Mathematics*, 61(3):629–661, September 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0190-4>.

**Wang:2009:EFS**

- [2692] Jing Wang and Lijian Yang. Efficient and fast spline-backfitted kernel smoothing of additive models. *Annals of the Institute of Statistical Mathematics*, 61(3):663–690, September 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0157-x>.



**Abramovich:2009:OTA**

- [2693] Felix Abramovich, Italia De Feis, and Theofanis Sapatinas. Optimal testing for additivity in multiple nonparametric regression. *Annals of the Institute of Statistical Mathematics*, 61(3):691–714, September 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0164-y>.

**Qiu:2009:JPS**

- [2694] Peihua Qiu. Jump-preserving surface reconstruction from noisy data. *Annals of the Institute of Statistical Mathematics*, 61(3):715–751, September 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0166-9>.

**Balakrishnan:2009:SMM**

- [2695] N. Balakrishnan and G. Iliopoulos. Stochastic monotonicity of the MLE of exponential mean under different censoring schemes. *Annals of the Institute of Statistical Mathematics*, 61(3):753–772, September 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0156-y>.

**Anonymous:2009:HCC**

- [2696] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 61(3):??, September 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Otsu:2009:GNP**

- [2697] Taisuke Otsu. Generalized Neyman–Pearson optimality of empirical likelihood for testing parameter hypotheses. *Annals of the Institute of Statistical Mathematics*, 61(4):773–787, December 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0172-6>.

**Huwang:2009:URT**

- [2698] Longcheen Huwang, Y. H. Steve Huang, and Yi-Hua Tina Wang. Uniformly robust tests in errors-in-variables models. *Annals of the Institute of Statistical Mathematics*, 61(4):789–810, December 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0167-8>.

**Araki:2009:FRM**

- [2699] Yuko Araki, Sadanori Konishi, Shuichi Kawano, and Hidetoshi Matsui. Functional regression modeling via regularized Gaussian basis expansions. *Annals of the Institute of Statistical Mathematics*, 61(4):811–833, December 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0161-1>.

**Choi:2009:APP**

- [2700] Taeryon Choi. Asymptotic properties of posterior distributions in nonparametric regression with non-Gaussian errors. *Annals of the Institute of Statistical Mathematics*, 61(4):835–859, De-



cember 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0168-2>.

**Dette:2009:STP**

- [2701] Holger Dette and Benjamin Hetzler. A simple test for the parametric form of the variance function in nonparametric regression. *Annals of the Institute of Statistical Mathematics*, 61(4):861–886, December 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0169-1>.

**Alvarez-Andrade:2009:PHR**

- [2702] Sergio Alvarez-Andrade, N. Balakrishnan, and Laurent Bordes. Proportional hazards regression under progressive Type-II censoring. *Annals of the Institute of Statistical Mathematics*, 61(4):887–903, December 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0170-8>.

**Zou:2009:LIA**

- [2703] Qingming Zou, Zhongyi Zhu, and Jinglong Wang. Local influence analysis for penalized Gaussian likelihood estimation in partially linear single-index models. *Annals of the Institute of Statistical Mathematics*, 61(4):905–918, December 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0158-9>.

**Negri:2009:GFT**

- [2704] Ilia Negri and Yoichi Nishiyama. Goodness of fit test for ergodic diffusion processes. *Annals of the Institute of Statistical Mathematics*, 61(4):919–928, December 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0162-0>.

**Adelfio:2009:PPD**

- [2705] Giada Adelfio and Frederic Paik Schoenberg. Point process diagnostics based on weighted second-order statistics and their asymptotic properties. *Annals of the Institute of Statistical Mathematics*, 61(4):929–948, December 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0177-1>.

**Kamatani:2009:MHA**

- [2706] Kengo Kamatani. Metropolis–Hastings algorithms with acceptance ratios of nearly 1. *Annals of the Institute of Statistical Mathematics*, 61(4):949–967, December 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0180-6>.

**Vovk:2009:MOG**

- [2707] Vladimir Vovk. Merging of opinions in game-theoretic probability. *Annals of the Institute of Statistical Mathematics*, 61(4):969–993, December 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-007-0158-9>.



com/article/10.1007/s10463-007-0165-x.

**Ogasawara:2009:AES**

- [2708] Haruhiko Ogasawara. Asymptotic expansions in the singular value decomposition for cross covariance and correlation under nonnormality. *Annals of the Institute of Statistical Mathematics*, 61(4):995–1017, December 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0174-4>.

**Anonymous:2009:HCd**

- [2709] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 61(4):??, December 2009. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Konishi:2010:PSI**

- [2710] Sadanori Konishi and Genshiro Kitagawa. Preface: Special issue in honor of Dr. Hirotugu Akaike. *Annals of the Institute of Statistical Mathematics*, 62(1):1–2, February 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-009-0269-6>.

**Akaike:2010:MST**

- [2711] Hirotugu Akaike. Making statistical thinking more productive. *Annals of the Institute of Statistical Mathematics*, 62(1):3–9, February 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0238-0>.

**Dean:2010:LCA**

- [2712] Nema Dean and Adrian E. Raftery. Latent class analysis variable selection. *Annals of the Institute of Statistical Mathematics*, 62(1):11–35, February 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0258-9>.

**Koyama:2010:BDN**

- [2713] Shinsuke Koyama, Uri T. Eden, Emery N. Brown, and Robert E. Kass. Bayesian decoding of neural spike trains. *Annals of the Institute of Statistical Mathematics*, 62(1):37–59, February 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0249-x>.

**Briers:2010:SAS**

- [2714] Mark Briers, Arnaud Doucet, and Simon Maskell. Smoothing algorithms for state-space models. *Annals of the Institute of Statistical Mathematics*, 62(1):61–89, February 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0236-2>.

**Terui:2010:FMS**

- [2715] Nobuhiko Terui, Masataka Ban, and Toshihiko Maki. Finding market structure by sales count dynamics — multivariate structural time series models with hierarchical structure for count data. *Annals of the Institute of Statistical Mathematics*, 62(1):91–107, February 2010. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0244-2>.

**Tsai:2010:DBA**

- [2716] Chih-Ling Tsai, Hansheng Wang, and Ning Zhu. Does a Bayesian approach generate robust forecasts? evidence from applications in portfolio investment decisions. *Annals of the Institute of Statistical Mathematics*, 62(1):109–116, February 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0250-4>.

**Lukacs:2010:MSB**

- [2717] Paul M. Lukacs, Kenneth P. Burnham, and David R. Anderson. Model selection bias and Freedman’s paradox. *Annals of the Institute of Statistical Mathematics*, 62(1):117–125, February 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0234-4>.

**Adelfio:2010:HKE**

- [2718] Giada Adelfio and Yosihiko Ogata. Hybrid kernel estimates of space-time earthquake occurrence rates using the epidemic-type aftershock sequence model. *Annals of the Institute of Statistical Mathematics*, 62(1):127–143, February 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0268-7>.

**Martins:2010:DDB**

- [2719] Leonardo de Oliveira Martins and Hirohisa Kishino. Distribution of distances between topologies and its effect on detection of phylogenetic recombination. *Annals of the Institute of Statistical Mathematics*, 62(1):145–159, February 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0259-8>.

**Uchida:2010:CBI**

- [2720] Masayuki Uchida. Contrast-based information criterion for ergodic diffusion processes from discrete observations. *Annals of the Institute of Statistical Mathematics*, 62(1):161–187, February 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0245-1>.

**Shimodaira:2010:FBM**

- [2721] Hidetoshi Shimodaira. Frequentist and Bayesian measures of confidence via multiscale bootstrap for testing three regions. *Annals of the Institute of Statistical Mathematics*, 62(1):189–208, February 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0247-z>.

**Kitagawa:2010:BVR**

- [2722] Genshiro Kitagawa and Sadanori Konishi. Bias and variance reduction techniques for bootstrap information criteria. *Annals of the Institute of Statistical Mathematics*, 62(1):209–234, Febru-



- ary 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0237-1>.
- Anonymous:2010:HCa**
- [2723] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 62(1):??, February 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).
- Ueki:2010:BLQ**
- [2724] Masao Ueki and Kaoru Fueda. Boosting local quasi-likelihood estimators. *Annals of the Institute of Statistical Mathematics*, 62(2):235–248, April 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0173-5>.
- Efromovich:2010:OIC**
- [2725] Sam Efromovich. Oracle inequality for conditional density estimation and an actuarial example. *Annals of the Institute of Statistical Mathematics*, 62(2):249–275, April 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0185-1>.
- Qi:2010:TIH**
- [2726] Yongcheng Qi. On the tail index of a heavy tailed distribution. *Annals of the Institute of Statistical Mathematics*, 62(2):277–298, April 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0176-2>.
- Aoki:2010:MBG**
- [2727] Satoshi Aoki, Takayuki Hibi, Hidefumi Ohsugi, and Akimichi Takemura. Markov basis and Gröbner basis of Segre–Veronese configuration for testing independence in group-wise selections. *Annals of the Institute of Statistical Mathematics*, 62(2):299–321, April 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0171-7>.
- deUna-Alvarez:2010:NEC**
- [2728] Jacobo de Uña-Álvarez and M. Carmen Iglesias-Pérez. Nonparametric estimation of a conditional distribution from length-biased data. *Annals of the Institute of Statistical Mathematics*, 62(2):323–341, April 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0178-0>.
- Sharia:2010:RPE**
- [2729] Teo Sharia. Recursive parameter estimation: asymptotic expansion. *Annals of the Institute of Statistical Mathematics*, 62(2):343–362, April 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0179-z>.
- Arellano-Valle:2010:IPQ**
- [2730] Reinaldo B. Arellano-Valle and Marc G. Genton. An invariance property of quadratic forms in random vectors with a selection distribution, with application to sample variogram and co-



variogram estimators. *Annals of the Institute of Statistical Mathematics*, 62(2):363–381, April 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0175-3>.

**Mougeot:2010:PTC**

- [2731] Mathilde Mougeot and Karine Tribouley. Procedure of test to compare the tail indices. *Annals of the Institute of Statistical Mathematics*, 62(2):383–412, April 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0198-9>.

**Anonymous:2010:HCb**

- [2732] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 62(2):??, April 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Ueki:2010:OTP**

- [2733] Masao Ueki and Kaoru Fueda. Optimal tuning parameter estimation in maximum penalized likelihood method. *Annals of the Institute of Statistical Mathematics*, 62(3):413–438, June 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0186-0>.

**Heuchenne:2010:ENL**

- [2734] Cédric Heuchenne and Ingrid Van Keilegom. Estimation in nonparametric location-scale regression models with censored data. *Annals of the*

*Institute of Statistical Mathematics*, 62(3):439–463, June 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0219-3>.

**Teodorescu:2010:GTD**

- [2735] Bianca Teodorescu, Ingrid Van Keilegom, and Ricardo Cao. Generalized time-dependent conditional linear models under left truncation and right censoring. *Annals of the Institute of Statistical Mathematics*, 62(3):465–485, June 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0187-z>.

**Xu:2010:SEV**

- [2736] Jinfeng Xu and Zhiliang Ying. Simultaneous estimation and variable selection in median regression using lasso-type penalty. *Annals of the Institute of Statistical Mathematics*, 62(3):487–514, June 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0184-2>.

**Sancetta:2010:BMS**

- [2737] Alessio Sancetta. Bootstrap model selection for possibly dependent and heterogeneous data. *Annals of the Institute of Statistical Mathematics*, 62(3):515–546, June 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0183-3>.



**Hayashi:2010:LBR**

- [2738] Masahito Hayashi. Limiting behavior of relative Rényi entropy in a non-regular location shift family. *Annals of the Institute of Statistical Mathematics*, 62(3):547–569, June 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0182-4>.

**Aoshima:2010:ASO**

- [2739] Makoto Aoshima and Kazuyoshi Yata. Asymptotic second-order consistency for two-stage estimation methodologies and its applications. *Annals of the Institute of Statistical Mathematics*, 62(3):571–600, June 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0188-y>.

**Anonymous:2010:HCc**

- [2740] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 62(3):??, June 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Takemura:2010:P**

- [2741] Akimichi Takemura. Preface. *Annals of the Institute of Statistical Mathematics*, 62(4):601–602, August 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-010-0297-2>.

**Sturmfels:2010:MGS**

- [2742] Bernd Sturmfels and Caroline Uhler. Multivariate Gaussians, semidefinite

matrix completion, and convex algebraic geometry. *Annals of the Institute of Statistical Mathematics*, 62(4):603–638, August 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0295-4>.

**Ohsugi:2010:NVA**

- [2743] Hidefumi Ohsugi and Takayuki Hibi. Non-very ample configurations arising from contingency tables. *Annals of the Institute of Statistical Mathematics*, 62(4):639–644, August 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0288-3>.

**Kuriki:2010:GPM**

- [2744] Satoshi Kuriki and Yasuhide Numata. Graph presentations for moments of noncentral Wishart distributions and their applications. *Annals of the Institute of Statistical Mathematics*, 62(4):645–672, August 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0279-4>.

**Berstein:2010:MAD**

- [2745] Yael Bernstein, Hugo Maruri-Aguilar, Shmuel Onn, Eva Riccomagno, and Henry Wynn. Minimal average degree aberration and the state polytope for experimental designs. *Annals of the Institute of Statistical Mathematics*, 62(4):673–698, August 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0291-8>.



Aoki:2010:SOC

- [2746] Satoshi Aoki. Some optimal criteria of model-robustness for two-level non-regular fractional factorial designs. *Annals of the Institute of Statistical Mathematics*, 62(4):699–716, August 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0292-7>.

Sullivant:2010:NBG

- [2747] Seth Sullivant. Normal binary graph models. *Annals of the Institute of Statistical Mathematics*, 62(4):717–726, August 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0296-3>.

Kahle:2010:DBI

- [2748] Thomas Kahle. Decompositions of binomial ideals. *Annals of the Institute of Statistical Mathematics*, 62(4):727–745, August 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0290-9>.

Wang:2010:UAA

- [2749] Jinfang Wang. A universal algebraic approach for conditional independence. *Annals of the Institute of Statistical Mathematics*, 62(4):747–773, August 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0278-5>.

Drton:2010:FSF

- [2750] Mathias Drton and Han Xiao. Finiteness of small factor analysis models. *Annals of the Institute of Statistical Mathematics*, 62(4):775–783, August 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0293-6>.

Rapallo:2010:MBS

- [2751] Fabio Rapallo and Ruriko Yoshida. Markov bases and subbases for bounded contingency tables. *Annals of the Institute of Statistical Mathematics*, 62(4):785–805, August 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0289-2>.

Sumi:2010:AMR

- [2752] Toshio Sumi, Mitsuhiro Miyazaki, and Toshio Sakata. About the maximal rank of 3-tensors over the real and the complex number field. *Annals of the Institute of Statistical Mathematics*, 62(4):807–822, August 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0294-5>.

Anonymous:2010:HCd

- [2753] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 62(4):??, August 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).



**Nishiyama:2010:NIM**

- [2754] Yoichi Nishiyama. Nonparametric inference in multiplicative intensity model by discrete time observation. *Annals of the Institute of Statistical Mathematics*, 62(5):823–833, October 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0196-y>.

**Shen:2010:NAD**

- [2755] Pao sheng Shen. Nonparametric analysis of doubly truncated data. *Annals of the Institute of Statistical Mathematics*, 62(5):835–853, October 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0192-2>.

**Bogsted:2010:DRS**

- [2756] Martin Bøgsted and Susan M. Pitts. Decomposing random sums: a nonparametric approach. *Annals of the Institute of Statistical Mathematics*, 62(5):855–872, October 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0200-6>.

**Grasselli:2010:DCN**

- [2757] M. R. Grasselli. Dual connections in nonparametric classical information geometry. *Annals of the Institute of Statistical Mathematics*, 62(5):873–896, October 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0191-3>.

**Omelka:2010:UAR**

- [2758] Marek Omelka and Matías Salibián-Barrera. Uniform asymptotics for  $S$ - and  $MM$ -regression estimators. *Annals of the Institute of Statistical Mathematics*, 62(5):897–927, October 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0189-x>.

**Tian:2010:WLS**

- [2759] Yongge Tian. Weighted least-squares estimators of parametric functions of the regression coefficients under a general linear model. *Annals of the Institute of Statistical Mathematics*, 62(5):929–941, October 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0199-8>.

**Mondal:2010:WVA**

- [2760] Debashis Mondal and Donald B. Percival. Wavelet variance analysis for gappy time series. *Annals of the Institute of Statistical Mathematics*, 62(5):943–966, October 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0195-z>.

**Dryden:2010:SIF**

- [2761] Ian L. Dryden, Alfred Kume, Huiling Le, and Andrew T. A. Wood. Statistical inference for functions of the covariance matrix in the stationary Gaussian time-orthogonal principal components model. *Annals of the Institute of Statistical Mathematics*, 62



(5):967–994, October 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0202-4>.

**Anonymous:2010:HCE**

- [2762] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 62(5):??, October 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Honda:2010:NEC**

- [2763] Toshio Honda. Nonparametric estimation of conditional medians for linear and related processes. *Annals of the Institute of Statistical Mathematics*, 62(6):995–1021, December 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0203-3>.

**Lee:2010:SPE**

- [2764] Alan Lee and Yuichi Hirose. Semiparametric efficiency bounds for regression models under response-selective sampling: the profile likelihood approach. *Annals of the Institute of Statistical Mathematics*, 62(6):1023–1052, December 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0205-1>.

**Cribari-Neto:2010:SBA**

- [2765] Francisco Cribari-Neto and Maria da Glória A. Lima. Sequences of bias-adjusted covariance matrix estimators under heteroskedasticity of unknown form. *Annals of the Institute of Statistical Mathematics*, 62(6):1053–1082, December 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0201-5>.

*cal Mathematics*, 62(6):1053–1082, December 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0201-5>.

**Konev:2010:GMS**

- [2766] Victor Konev and Serguei Pergamenchikov. General model selection estimation of a periodic regression with a Gaussian noise. *Annals of the Institute of Statistical Mathematics*, 62(6):1083–1111, December 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0193-1>.

**Withers:2010:TEE**

- [2767] Christopher S. Withers and Saralees Nadarajah. Tilted Edgeworth expansions for asymptotically normal vectors. *Annals of the Institute of Statistical Mathematics*, 62(6):1113–1142, December 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0206-0>.

**Zhang:2010:ARD**

- [2768] Baoxue Zhang, Tianqing Liu, and Z. D. Bai. Analysis of rounded data from dependent sequences. *Annals of the Institute of Statistical Mathematics*, 62(6):1143–1173, December 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0224-6>.



**Anonymous:2010:HCf**

- [2769] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 62(6):??, December 2010. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Carbonell:2011:GWR**

- [2770] F. Carbonell, K. J. Worsley, and L. Galan. The geometry of the Wilks's  $\Lambda$  random field. *Annals of the Institute of Statistical Mathematics*, 63(1):1–27, February 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0204-2>.

**Ohlson:2011:EEU**

- [2771] Martin Ohlson, Zhanna Andrushchenko, and Dietrich von Rosen. Explicit estimators under  $m$ -dependence for a multivariate normal distribution. *Annals of the Institute of Statistical Mathematics*, 63(1):29–42, February 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0213-1>.

**Ghosh:2011:GDC**

- [2772] Malay Ghosh, Victor Mergel, and Ruitao Liu. A general divergence criterion for prior selection. *Annals of the Institute of Statistical Mathematics*, 63(1):43–58, February 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0226-4>.

**Chung:2011:LDP**

- [2773] Yeonseung Chung and David B. Dunson. The local Dirichlet process. *Annals of the Institute of Statistical Mathematics*, 63(1):59–80, February 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0218-9>.

**McIntyre:2011:DER**

- [2774] Julie McIntyre and Leonard A. Stefanski. Density estimation with replicate heteroscedastic measurements. *Annals of the Institute of Statistical Mathematics*, 63(1):81–99, February 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0220-x>.

**Eryilmaz:2011:NPS**

- [2775] Serkan Eryilmaz. A new perspective to stress-strength models. *Annals of the Institute of Statistical Mathematics*, 63(1):101–115, February 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0211-3>.

**Ma:2011:ARM**

- [2776] Shuangge Ma. Additive risk model for current status data with a cured subgroup. *Annals of the Institute of Statistical Mathematics*, 63(1):117–134, February 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0212-2>.



**Balakrishnan:2011:CMS**

- [2777] N. Balakrishnan and Xingqiu Zhao. A class of multi-sample nonparametric tests for panel count data. *Annals of the Institute of Statistical Mathematics*, 63(1):135–156, February 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0209-x>.

**Chatterjee:2011:APS**

- [2778] Arindam Chatterjee. Asymptotic properties of sample quantiles from a finite population. *Annals of the Institute of Statistical Mathematics*, 63(1):157–179, February 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0210-4>.

**Lengyel:2011:GRW**

- [2779] Tamás Lengyel. Gambler’s ruin and winning a series by  $m$  games. *Annals of the Institute of Statistical Mathematics*, 63(1):181–195, February 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0214-0>.

**Inoue:2011:BFP**

- [2780] Kiyoshi Inoue and Sigeo Aki. Bivariate Fibonacci polynomials of order  $k$  with statistical applications. *Annals of the Institute of Statistical Mathematics*, 63(1):197–210, February 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0215-z>.

[//link.springer.com/article/10.1007/s10463-008-0217-x](http://link.springer.com/article/10.1007/s10463-008-0217-x).

**Anonymous:2011:HCa**

- [2781] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 63(1):??, February 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Negri:2011:GFT**

- [2782] Ilia Negri and Yoichi Nishiyama. Goodness of fit test for small diffusions by discrete time observations. *Annals of the Institute of Statistical Mathematics*, 63(2):211–225, April 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0228-2>.

**Ma:2011:APS**

- [2783] Yanyuan Ma, Marc G. Genton, and Emanuel Parzen. Asymptotic properties of sample quantiles of discrete distributions. *Annals of the Institute of Statistical Mathematics*, 63(2):227–243, April 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-008-0215-z>.

**Dette:2011:EAQ**

- [2784] Holger Dette and Regine Scheder. Estimation of additive quantile regression. *Annals of the Institute of Statistical Mathematics*, 63(2):245–265, April 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0225-5>.



**Liang:2011:APC**

- [2785] Han-Ying Liang and Jacobo de Uña-Álvarez. Asymptotic properties of conditional quantile estimator for censored dependent observations. *Annals of the Institute of Statistical Mathematics*, 63(2):267–289, April 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0230-8>.

**Stoyanov:2011:MPS**

- [2786] Jordan Stoyanov and Gwo Dong Lin. Mixtures of power series distributions: identifiability via uniqueness in problems of moments. *Annals of the Institute of Statistical Mathematics*, 63(2):291–303, April 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0221-9>.

**Hernandez-Quintero:2011:ASM**

- [2787] Angelica Hernandez-Quintero, Jean-François Dupuy, and Gabriel Escarela. Analysis of a semiparametric mixture model for competing risks. *Annals of the Institute of Statistical Mathematics*, 63(2):305–329, April 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0229-1>.

**Yu:2011:ELM**

- [2788] Wen Yu, Yunting Sun, and Ming Zheng. Empirical likelihood method for linear transformation models. *Annals of the Institute of Statistical Mathematics*, 63(2):331–346, April 2011. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0223-7>.

**Kojadinovic:2011:TSI**

- [2789] Ivan Kojadinovic and Jun Yan. Tests of serial independence for continuous multivariate time series based on a Möbius decomposition of the independence empirical copula process. *Annals of the Institute of Statistical Mathematics*, 63(2):347–373, April 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0257-x>.

**Balakrishnan:2011:FFW**

- [2790] N. Balakrishnan and Po Yang. Forms of four-word indicator functions with implications to two-level factorial designs. *Annals of the Institute of Statistical Mathematics*, 63(2):375–386, April 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0222-8>.

**Fujikoshi:2011:PEC**

- [2791] Yasunori Fujikoshi, Tamio Kan, Shin Takahashi, and Tetsuro Sakurai. Prediction error criterion for selecting variables in a linear regression model. *Annals of the Institute of Statistical Mathematics*, 63(2):387–403, April 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0233-5>.



Chesneau:2011:AWE

- [2792] Christophe Chesneau. On adaptive wavelet estimation of a quadratic functional from a deconvolution problem. *Annals of the Institute of Statistical Mathematics*, 63(2):405–429, April 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0232-6>.

Anonymous:2011:HCB

- [2793] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 63(2):??, April 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

Yoshida:2011:PTL

- [2794] Nakahiro Yoshida. Polynomial type large deviation inequalities and quasi-likelihood analysis for stochastic differential equations. *Annals of the Institute of Statistical Mathematics*, 63(3):431–479, June 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0263-z>.

Trippa:2011:EBP

- [2795] Lorenzo Trippa, Paolo Bulla, and Sonia Petrone. Extended Bernstein prior via reinforced urn processes. *Annals of the Institute of Statistical Mathematics*, 63(3):481–496, June 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0227-3>.

Chen:2011:RES

- [2796] Hua Yun Chen. Representations of efficient score for coarse data problems based on Neumann series expansion. *Annals of the Institute of Statistical Mathematics*, 63(3):497–509, June 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0231-7>.

Yi:2011:SMA

- [2797] Grace Y. Yi, Wenqing He, and Hua Liang. Semiparametric marginal and association regression methods for clustered binary data. *Annals of the Institute of Statistical Mathematics*, 63(3):511–533, June 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0239-z>.

Crowder:2011:EFR

- [2798] Martin Crowder. Estimating functions for repeated measures with incidental parameters. *Annals of the Institute of Statistical Mathematics*, 63(3):535–558, June 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0243-3>.

Godbole:2011:BCC

- [2799] A. P. Godbole, M. V. Koutras, and F. S. Milienos. Binary consecutive covering arrays. *Annals of the Institute of Statistical Mathematics*, 63(3):559–584, June 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0243-3>.



com/article/10.1007/s10463-009-0240-6.

**Antoniadis:2011:PLR**

- [2800] Anestis Antoniadis, Irène Gijbels, and Mila Nikolova. Penalized likelihood regression for generalized linear models with non-quadratic penalties. *Annals of the Institute of Statistical Mathematics*, 63(3):585–615, June 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0242-4>.

**Maesono:2011:EEK**

- [2801] Yoshihiko Maesono and Spiridon Penev. Edgeworth expansion for the kernel quantile estimator. *Annals of the Institute of Statistical Mathematics*, 63(3):617–644, June 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0241-5>.

**Anonymous:2011:HCc**

- [2802] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 63(3):??, June 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Sugimoto:2011:WTV**

- [2803] Tomoyuki Sugimoto. A Wald-type variance estimation for the nonparametric distribution estimators for doubly censored data. *Annals of the Institute of Statistical Mathematics*, 63(4):645–670, August 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0251-3>. See erratum [2804].

1007/s10463-009-0251-3. See erratum [2804].

**Sugimoto:2011:EWT**

- [2804] Tomoyuki Sugimoto. Erratum to: “A Wald-type variance estimation for the nonparametric distribution estimators for doubly censored data”. *Annals of the Institute of Statistical Mathematics*, 63(4):671–674, August 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/content/pdf/10.1007/s10463-011-0331-z.pdf>. See [2803].

**Sei:2011:GMM**

- [2805] Tomonari Sei. Gradient modeling for multivariate quantitative data. *Annals of the Institute of Statistical Mathematics*, 63(4):675–688, August 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0261-1>.

**Hayashi:2011:LDT**

- [2806] Masahito Hayashi. Large deviation theory for non-regular location shift family. *Annals of the Institute of Statistical Mathematics*, 63(4):689–716, August 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0254-0>.

**Ciuperca:2011:ENR**

- [2807] Gabriela Ciuperca. Estimating nonlinear regression with and without change-points by the LAD method. *Annals of the Institute of Statistical Mathematics*, 63(4):675–688, August 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0254-0>.



*cal Mathematics*, 63(4):717–743, August 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0256-y>.

**Chida:2011:LSI**

- [2808] Satoshi Chida and Naoto Miyoshi. Limiting size index distributions for ball-bin models with Zipf-type frequencies. *Annals of the Institute of Statistical Mathematics*, 63(4):745–768, August 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0276-7>.

**Frey:2011:CEU**

- [2809] Jesse Frey and Omer Ozturk. Constrained estimation using judgment post-stratification. *Annals of the Institute of Statistical Mathematics*, 63(4):769–789, August 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0255-z>.

**Zhao:2011:FIW**

- [2810] Yanxing Zhao and H. N. Nagaraja. Fisher information in window censored renewal process data and its applications. *Annals of the Institute of Statistical Mathematics*, 63(4):791–825, August 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0252-2>.

**Ho:2011:BIB**

- [2811] Man-Wai Ho. On Bayes inference for a bathtub failure rate via  $S$ -paths. *Annals of the Institute of Statistical Mathematics*, 63(4):827–850, August 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0253-1>.

**Luati:2011:EWL**

- [2812] Alessandra Luati and Tommaso Proietti. On the equivalence of the weighted least squares and the generalised least squares estimators, with applications to kernel smoothing. *Annals of the Institute of Statistical Mathematics*, 63(4):851–871, August 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0267-8>.

**Anonymous:2011:HCd**

- [2813] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 63(4):??, August 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Takemura:2011:GZO**

- [2814] Akimichi Takemura, Vladimir Vovk, and Glenn Shafer. The generality of the zero-one laws. *Annals of the Institute of Statistical Mathematics*, 63(5):873–885, October 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0262-0>.



**Hsieh:2011:CLE**

- [2815] S. H. Hsieh, S. M. Lee, P. S. Shen, and M. F. Liu. Conditional likelihood estimation and efficiency comparisons in proportional odds model with missing covariates. *Annals of the Institute of Statistical Mathematics*, 63(5):887–921, October 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0266-9>.

**Pace:2011:APL**

- [2816] Luigi Pace, Alessandra Salvan, and Laura Ventura. Adjustments of profile likelihood through predictive densities. *Annals of the Institute of Statistical Mathematics*, 63(5):923–937, October 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0274-9>.

**Munk:2011:NSG**

- [2817] Axel Munk, Jean-Pierre Stockis, Janis Valeinis, and Götz Giese. Neyman smooth goodness-of-fit tests for the marginal distribution of dependent data. *Annals of the Institute of Statistical Mathematics*, 63(5):939–959, October 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0260-2>.

**Komori:2011:BMM**

- [2818] Osamu Komori. A boosting method for maximization of the area under the ROC curve. *Annals of the Institute of Statistical Mathematics*, 63

(5):961–979, October 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0264-y>.

**Dette:2011:ODS**

- [2819] Holger Dette, Viatcheslav B. Melas, and Andrey Pepelyshev. Optimal design for smoothing splines. *Annals of the Institute of Statistical Mathematics*, 63(5):981–1003, October 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-009-0265-x>.

**Ren:2011:FLI**

- [2820] Jian-Jian Ren and Mai Zhou. Full likelihood inferences in the Cox model: an empirical likelihood approach. *Annals of the Institute of Statistical Mathematics*, 63(5):1005–1018, October 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0272-y>.

**Bagkavos:2011:LLH**

- [2821] Dimitrios Bagkavos. Local linear hazard rate estimation and bandwidth selection. *Annals of the Institute of Statistical Mathematics*, 63(5):1019–1046, October 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0277-6>.

**Berlinet:2011:LLR**

- [2822] A. Berlinet, A. Elamine, and A. Mas. Local linear regression for functional



data. *Annals of the Institute of Statistical Mathematics*, 63(5):1047–1075, October 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0275-8>.

**Anonymous:2011:HCE**

- [2823] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 63(5):??, October 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Varron:2011:UBE**

- [2824] Davit Varron and Ingrid Van Keilegom. Uniform in bandwidth exact rates for a class of kernel estimators. *Annals of the Institute of Statistical Mathematics*, 63(6):1077–1102, December 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0286-5>.

**Chang:2011:TSM**

- [2825] Chien-Hsun Chang and Frederic Paik Schoenberg. Testing separability in marked multidimensional point processes with covariates. *Annals of the Institute of Statistical Mathematics*, 63(6):1103–1122, December 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0284-7>.

**Jiang:2011:BEF**

- [2826] Jiming Jiang and En-Tzu Tang. The best EBLUP in the Fay–Herriot model. *Annals of the Institute of Statistical*

*Mathematics*, 63(6):1123–1140, December 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0281-x>.

**Vexler:2011:OAH**

- [2827] Albert Vexler and Sergey Tarima. An optimal approach for hypothesis testing in the presence of incomplete data. *Annals of the Institute of Statistical Mathematics*, 63(6):1141–1163, December 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0270-0>.

**Pinheiro:2011:CAN**

- [2828] Aluísio Pinheiro, Pranab Kumar Sen, and Hildete P. Pinheiro. A class of asymptotically normal degenerate quasi  $U$ -statistics. *Annals of the Institute of Statistical Mathematics*, 63(6):1165–1182, December 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0271-z>.

**Detais:2011:MLE**

- [2829] Amélie Detais and Jean-François Dupuy. Maximum likelihood estimation in a partially observed stratified regression model with censored data. *Annals of the Institute of Statistical Mathematics*, 63(6):1183–1206, December 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0273-x>.



**Shen:2011:NES**

- [2830] Pao sheng Shen. Nonparametric estimators of the survival function with twice censored data. *Annals of the Institute of Statistical Mathematics*, 63(6):1207–1219, December 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0285-6>.

**deMiranda:2011:EIN**

- [2831] José Carlos Simon de Miranda and Pedro A. Morettin. Estimation of the intensity of non-homogeneous point processes via wavelets. *Annals of the Institute of Statistical Mathematics*, 63(6):1221–1246, December 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0283-8>.

**Hirose:2011:EPL**

- [2832] Yuichi Hirose. Efficiency of profile likelihood in semi-parametric models. *Annals of the Institute of Statistical Mathematics*, 63(6):1247–1275, December 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0280-y>.

**Zhu:2011:VSC**

- [2833] Li-Ping Zhu, Lin-Yi Qian, and Jin-Guan Lin. Variable selection in a class of single-index models. *Annals of the Institute of Statistical Mathematics*, 63(6):1277–1293, December 2011. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0287-4>.

**Anonymous:2011:HCf**

- [2834] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 63(6):??, December 2011. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Fushing:2012:SEI**

- [2835] Hsieh Fushing. Semiparametric efficient inferences for lifetime regression model with time-dependent covariates. *Annals of the Institute of Statistical Mathematics*, 64(1):1–25, February 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0301-x>.

**Mondal:2012:EWV**

- [2836] Debashis Mondal and Donald B. Percival.  $M$ -estimation of wavelet variance. *Annals of the Institute of Statistical Mathematics*, 64(1):27–53, February 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0282-9>.

**Chang:2012:DDG**

- [2837] Yung-Ming Chang, James C. Fu, and Han-Ying Lin. Distribution and double generating function of number of patterns in a sequence of Markov dependent multistate trials. *Annals of the Institute of Statistical Mathematics*, 64(1):55–68, February 2012. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0300-y>.

**Yu:2012:RPM**

- [2838] Qiqing Yu, G. Y. C. Wong, Hao Qin, and Jiaping Wang. Random partition masking model for censored and masked competing risks data. *Annals of the Institute of Statistical Mathematics*, 64(1):69–85, February 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0303-8>.

**Lu:2012:MMP**

- [2839] Shaochuan Lu. Markov modulated Poisson process associated with state-dependent marks and its applications to the deep earthquakes. *Annals of the Institute of Statistical Mathematics*, 64(1):87–106, February 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0302-9>.

**DeOliveira:2012:BAC**

- [2840] Victor De Oliveira. Bayesian analysis of conditional autoregressive models. *Annals of the Institute of Statistical Mathematics*, 64(1):107–133, February 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0298-1>.

**Harrar:2012:MTF**

- [2841] Solomon W. Harrar and Arne C. Bathke. A modified two-factor multivariate analysis of variance: asymp-

totics and small sample approximations. *Annals of the Institute of Statistical Mathematics*, 64(1):135–165, February 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0299-0>. See erratum [2888].

**Buch-Kromann:2012:MDE**

- [2842] Tine Buch-Kromann and Jens Perch Nielsen. Multivariate density estimation using dimension reducing information and tail flattening transformations for truncated or censored data. *Annals of the Institute of Statistical Mathematics*, 64(1):167–192, February 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0313-6>.

**Shimizu:2012:LAM**

- [2843] Yasutaka Shimizu. Local asymptotic mixed normality for discretely observed non-recurrent Ornstein–Uhlenbeck processes. *Annals of the Institute of Statistical Mathematics*, 64(1):193–211, February 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0307-4>.

**Zhao:2012:VSS**

- [2844] Peixin Zhao and Liugen Xue. Variable selection in semiparametric regression analysis for longitudinal data. *Annals of the Institute of Statistical Mathematics*, 64(1):213–231, February 2012. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0312-7>.

**Anonymous:2012:HCa**

- [2845] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 64(1):??, February 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Liu:2012:CML**

- [2846] Song Liu and Yuhong Yang. Combining models in longitudinal data analysis. *Annals of the Institute of Statistical Mathematics*, 64(2):233–254, April 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0306-5>.

**Kato:2012:ANP**

- [2847] Kengo Kato. Asymptotic normality of Powell’s kernel estimator. *Annals of the Institute of Statistical Mathematics*, 64(2):255–273, April 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0310-9>.

**Wang:2012:MTT**

- [2848] Jing Wang. Modelling time trend via spline confidence band. *Annals of the Institute of Statistical Mathematics*, 64(2):275–301, April 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0311-8>.

**Balakrishnan:2012:SOS**

- [2849] N. Balakrishnan, U. Kamps, and M. Kateri. A sequential order statistics approach to step-stress testing. *Annals of the Institute of Statistical Mathematics*, 64(2):303–318, April 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0309-2>.

**Hsu:2012:BEC**

- [2850] Chih-Wen Hsu, Marick S. Sinay, and John S. J. Hsu. Bayesian estimation of a covariance matrix with flexible prior specification. *Annals of the Institute of Statistical Mathematics*, 64(2):319–342, April 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0314-5>.

**Bobotas:2012:ERT**

- [2851] Panayiotis Bobotas, George Iliopoulos, and Stavros Kourouklis. Estimating the ratio of two scale parameters: a simple approach. *Annals of the Institute of Statistical Mathematics*, 64(2):343–357, April 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0308-3>.

**Vos:2012:EBD**

- [2852] Paul Vos and Qiang Wu. Estimators for the binomial distribution that dominate the MLE in terms of Kullback–Leibler risk. *Annals of the Institute of Statistical Mathematics*, 64(2):359–371, April 2012. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0316-3>.

**Lemonte:2012:LPG**

- [2853] Artur J. Lemonte and Silvia L. P. Ferrari. The local power of the gradient test. *Annals of the Institute of Statistical Mathematics*, 64(2):373–381, April 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0315-4>.

**Kutoyants:2012:ITD**

- [2854] Yury A. Kutoyants. On identification of the threshold diffusion processes. *Annals of the Institute of Statistical Mathematics*, 64(2):383–413, April 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0318-1>.

**Wang:2012:HFE**

- [2855] Qihua Wang, Gregg E. Dinse, and Chunling Liu. Hazard function estimation with cause-of-death data missing at random. *Annals of the Institute of Statistical Mathematics*, 64(2):415–438, April 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0317-2>.

**Frey:2012:CNE**

- [2856] Jesse Frey. Constrained nonparametric estimation of the mean and the CDF using ranked-set sampling with a covariate. *Annals of the Institute of*

*Statistical Mathematics*, 64(2):439–456, April 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0326-9>.

**Anonymous:2012:HCh**

- [2857] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 64(2):??, April 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Hoshino:2012:RPS**

- [2858] Nobuaki Hoshino. Random partitioning over a sparse contingency table. *Annals of the Institute of Statistical Mathematics*, 64(3):457–474, June 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0327-8>.

**Abarin:2012:IVA**

- [2859] Taraneh Abarin and Liqun Wang. Instrumental variable approach to covariate measurement error in generalized linear models. *Annals of the Institute of Statistical Mathematics*, 64(3):475–493, June 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0319-0>.

**Smith:2012:IRP**

- [2860] Jim Q. Smith and Fabio Rigat. Isoseparation and robustness in parametric Bayesian inference. *Annals of the Institute of Statistical Mathematics*, 64(3):495–519, June 2012. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0334-9>.

**Wang:2012:MMH**

- [2861] Ting Wang, Mark Bebbington, and David Harte. Markov-modulated Hawkes process with stepwise decay. *Annals of the Institute of Statistical Mathematics*, 64(3):521–544, June 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0320-7>.

**Shimizu:2012:EPD**

- [2862] Yasutaka Shimizu. Estimation of parameters for discretely observed diffusion processes with a variety of rates for information. *Annals of the Institute of Statistical Mathematics*, 64(3):545–575, June 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0323-4>.

**Yue:2012:PBA**

- [2863] Yu Ryan Yue, Paul L. Speckman, and Dongchu Sun. Priors for Bayesian adaptive spline smoothing. *Annals of the Institute of Statistical Mathematics*, 64(3):577–613, June 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0321-6>.

**Takazawa:2012:EIL**

- [2864] Shin ichiro Takazawa. Exponential inequalities and the law of the iterated logarithm in the unbounded forecasting game. *Annals of the Institute of*

*Statistical Mathematics*, 64(3):615–632, June 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-010-0322-5>.

**Aki:2012:SMD**

- [2865] Sigeo Aki. Statistical modeling for discrete patterns in a sequence of exchangeable trials. *Annals of the Institute of Statistical Mathematics*, 64(3):633–655, June 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0325-x>.

**Dutta:2012:RCU**

- [2866] Subhajit Dutta and Anil K. Ghosh. On robust classification using projection depth. *Annals of the Institute of Statistical Mathematics*, 64(3):657–676, June 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0324-y>.

**Nelsen:2012:DDM**

- [2867] Roger B. Nelsen and Manuel Úbeda-Flores. Directional dependence in multivariate distributions. *Annals of the Institute of Statistical Mathematics*, 64(3):677–685, June 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0329-6>.

**Anonymous:2012:HCc**

- [2868] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 64(3):??, June 2012. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Bhattacharya:2012:SCN**

- [2869] Abhishek Bhattacharya and David B. Dunson. Strong consistency of non-parametric Bayes density estimation on compact metric spaces with applications to specific manifolds. *Annals of the Institute of Statistical Mathematics*, 64(4):687–714, August 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0341-x>.

**Fan:2012:OIP**

- [2870] Chunpeng Fan, Jason P. Fine, and Jong-Hyeon Jeong. Optimal inferences for proportional hazards model with parametric covariate transformations. *Annals of the Institute of Statistical Mathematics*, 64(4):715–736, August 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0330-0>.

**Azzalini:2012:SMU**

- [2871] Adelchi Azzalini. Selection models under generalized symmetry settings. *Annals of the Institute of Statistical Mathematics*, 64(4):737–750, August 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0328-7>.

**Kim:2012:ESO**

- [2872] Mijeong Kim and Yanyuan Ma. The efficiency of the second-order nonlinear

least squares estimator and its extension. *Annals of the Institute of Statistical Mathematics*, 64(4):751–764, August 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0332-y>.

**Liang:2012:ELC**

- [2873] Han-Ying Liang and Jacobo de Uña-Álvarez. Empirical likelihood for conditional quantile with left-truncated and dependent data. *Annals of the Institute of Statistical Mathematics*, 64(4):765–790, August 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0335-8>.

**Chretien:2012:SAP**

- [2874] Stéphane Chrétien, Alfred Hero, and Hervé Perdry. Space alternating penalized Kullback proximal point algorithms for maximizing likelihood with nondifferentiable penalty. *Annals of the Institute of Statistical Mathematics*, 64(4):791–809, August 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0333-x>.

**Genest:2012:TSB**

- [2875] Christian Genest, Johanna Neslehová, and Jean-François Quessy. Tests of symmetry for bivariate copulas. *Annals of the Institute of Statistical Mathematics*, 64(4):811–834, August 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0333-x>.



com/article/10.1007/s10463-011-0337-6.

**Sun:2012:EMS**

- [2876] Yan Sun, Jialiang Li, and Wenyang Zhang. Estimation and model selection in a class of semiparametric models for cluster data. *Annals of the Institute of Statistical Mathematics*, 64(4):835–856, August 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0342-9>.

**Azzalini:2012:SPS**

- [2877] Adelchi Azzalini and Giuliana Regoli. Some properties of skew-symmetric distributions. *Annals of the Institute of Statistical Mathematics*, 64(4):857–879, August 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0338-5>.

**Anonymous:2012:HCd**

- [2878] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 64(4):??, August 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Kunitomo:2012:OML**

- [2879] Naoto Kunitomo. An optimal modification of the LIML estimation for many instruments and persistent heteroscedasticity. *Annals of the Institute of Statistical Mathematics*, 64(5):881–910, October 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0336-7>.

**Negri:2012:ADF**

- [2880] Ilia Negri and Yoichi Nishiyama. Asymptotically distribution free test for parameter change in a diffusion process model. *Annals of the Institute of Statistical Mathematics*, 64(5):911–918, October 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0345-6>.

**Leblanc:2012:EDF**

- [2881] Alexandre Leblanc. On estimating distribution functions using Bernstein polynomials. *Annals of the Institute of Statistical Mathematics*, 64(5):919–943, October 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0339-4>.

**Li:2012:OED**

- [2882] Gang Li. Optimal and efficient designs for Gompertz regression models. *Annals of the Institute of Statistical Mathematics*, 64(5):945–957, October 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0340-y>.

**Diao:2012:GTC**

- [2883] Guoqing Diao and Guosheng Yin. A general transformation class of semi-parametric cure rate frailty models. *Annals of the Institute of Statistical Mathematics*, 64(5):959–989, October 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0341-z>.



com/article/10.1007/s10463-012-0354-0.

**Fujii:2012:SPN**

- [2884] Takayuki Fujii and Yoichi Nishiyama. Some problems in nonparametric inference for the stress release process related to the local time. *Annals of the Institute of Statistical Mathematics*, 64(5):991–1007, October 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0344-7>.

**Sugiyama:2012:DRM**

- [2885] Masashi Sugiyama, Taiji Suzuki, and Takafumi Kanamori. Density-ratio matching under the Bregman divergence: a unified framework of density-ratio estimation. *Annals of the Institute of Statistical Mathematics*, 64(5):1009–1044, October 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0343-8>.

**Detle:2012:TCC**

- [2886] Holger Dette, Mareen Marchlewski, and Jens Wager. Testing for a constant coefficient of variation in nonparametric regression by empirical processes. *Annals of the Institute of Statistical Mathematics*, 64(5):1045–1070, October 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0346-5>.

**Falk:2012:ACD**

- [2887] Michael Falk and Diana Tichy. Asymptotic conditional distribution of ex-

ceedance counts: fragility index with different margins. *Annals of the Institute of Statistical Mathematics*, 64(5):1071–1085, October 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0348-3>.

**Harrar:2012:EMT**

- [2888] Solomon W. Harrar and Arne C. Bathke. Erratum to: “A modified two-factor multivariate analysis of variance: asymptotics and small sample approximations”. *Annals of the Institute of Statistical Mathematics*, 64(5):1087, October 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/content/pdf/10.1007/s10463-012-0364-y.pdf>. See [2841].

**Anonymous:2012:HCE**

- [2889] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 64(5):??, October 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Brockwell:2012:SSS**

- [2890] Peter Brockwell, Alexander Lindner, and Bernd Vollenbröker. Strictly stationary solutions of multivariate ARMA equations with i.i.d. noise. *Annals of the Institute of Statistical Mathematics*, 64(6):1089–1119, December 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0357-x>.



**Akahira:2012:LIS**

- [2891] Masafumi Akahira, Hyo Gyeong Kim, and Nao Ohyauchi. Loss of information of a statistic for a family of non-regular distributions, II: more general case. *Annals of the Institute of Statistical Mathematics*, 64(6):1121–1138, December 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-011-0347-4>.

**Bissiri:2012:CIP**

- [2892] Pier Giovanni Bissiri and Stephen G. Walker. Converting information into probability measures with the Kullback–Leibler divergence. *Annals of the Institute of Statistical Mathematics*, 64(6):1139–1160, December 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0350-4>.

**Reiss:2012:RBI**

- [2893] Philip T. Reiss, Lei Huang, Joseph E. Cavanaugh, and Amy Krain Roy. Resampling-based information criteria for best-subset regression. *Annals of the Institute of Statistical Mathematics*, 64(6):1161–1186, December 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0353-1>.

**Grane:2012:EGF**

- [2894] Aurea Grané. Exact goodness-of-fit tests for censored data. *Annals of the Institute of Statistical Math-*

*ematics*, 64(6):1187–1203, December 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0356-y>.

**Fokianos:2012:NPA**

- [2895] Konstantinos Fokianos and Dag Tjøstheim. Nonlinear Poisson autoregression. *Annals of the Institute of Statistical Mathematics*, 64(6):1205–1225, December 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0351-3>.

**Huckemann:2012:MMS**

- [2896] Stephan F. Huckemann. On the meaning of mean shape: manifold stability, locus and the two sample test. *Annals of the Institute of Statistical Mathematics*, 64(6):1227–1259, December 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0352-2>.

**Helmerts:2012:PCP**

- [2897] Roelof Helmerts and I. Wayan Mangku. Predicting a cyclic Poisson process. *Annals of the Institute of Statistical Mathematics*, 64(6):1261–1279, December 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0349-x>.

**Anonymous:2012:HCF**

- [2898] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathemat-*



*ics*, 64(6):??, December 2012. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Qin:2013:ELB**

- [2899] Gengsheng Qin, Baoying Yang, and Nelly E. Beling-Hall. Empirical likelihood-based inferences for the Lorenz curve. *Annals of the Institute of Statistical Mathematics*, 65(1):1–21, February 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0355-z>.

**Honda:2013:NQR**

- [2900] Toshio Honda. Nonparametric quantile regression with heavy-tailed and strongly dependent errors. *Annals of the Institute of Statistical Mathematics*, 65(1):23–47, February 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0359-8>.

**Joutard:2013:SLD**

- [2901] Cyrille Joutard. Strong large deviations for arbitrary sequences of random variables. *Annals of the Institute of Statistical Mathematics*, 65(1):49–67, February 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0361-1>.

**Yatracos:2013:EPB**

- [2902] Yannis G. Yatracos. Equal percent bias reduction and variance proportionate modifying properties with mean-covariance preserving matching.

*Annals of the Institute of Statistical Mathematics*, 65(1):69–87, February 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0358-9>.

**Zhang:2013:LSE**

- [2903] Shibin Zhang and Xinsheng Zhang. A least squares estimator for discretely observed Ornstein–Uhlenbeck processes driven by symmetric  $\alpha$ -stable motions. *Annals of the Institute of Statistical Mathematics*, 65(1):89–103, February 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0362-0>.

**Lai:2013:ECS**

- [2904] P. Y. Lai and Stephen M. S. Lee. Estimation of central shapes of error distributions in linear regression problems. *Annals of the Institute of Statistical Mathematics*, 65(1):105–124, February 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0360-2>.

**Landajo:2013:NPL**

- [2905] Manuel Landajo and María José Presno. Nonparametric pseudo-Lagrange multiplier stationarity testing. *Annals of the Institute of Statistical Mathematics*, 65(1):125–147, February 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0363-z>.



**Fan:2013:MWT**

- [2906] Jie Fan and Somnath Datta. On Mann–Whitney tests for comparing sojourn time distributions when the transition times are right censored. *Annals of the Institute of Statistical Mathematics*, 65(1):149–166, February 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0378-5>.

**Maesono:2013:ICI**

- [2907] Yoshihiko Maesono and Spiridon Penev. Improved confidence intervals for quantiles. *Annals of the Institute of Statistical Mathematics*, 65(1):167–189, February 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0369-6>.

**Ogawa:2013:GBU**

- [2908] Mitsunori Ogawa, Hisayuki Hara, and Akimichi Takemura. Graver basis for an undirected graph and its application to testing the beta model of random graphs. *Annals of the Institute of Statistical Mathematics*, 65(1):191–212, February 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0367-8>.

**Anonymous:2013:HCa**

- [2909] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 65(1):??, February 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Lee:2013:MDP**

- [2910] Sangyeol Lee and Junmo Song. Minimum density power divergence estimator for diffusion processes. *Annals of the Institute of Statistical Mathematics*, 65(2):213–236, April 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0366-9>.

**Zhang:2013:PLS**

- [2911] Jun Zhang, Yao Yu, Li-Xing Zhu, and Hua Liang. Partial linear single index models with distortion measurement errors. *Annals of the Institute of Statistical Mathematics*, 65(2):237–267, April 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0371-z>.

**Pistone:2013:ARM**

- [2912] Giovanni Pistone and Maria Piera Rogantin. The algebra of reversible Markov chains. *Annals of the Institute of Statistical Mathematics*, 65(2):269–293, April 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0368-7>.

**Qian:2013:MSS**

- [2913] Wei Qian and Yuhong Yang. Model selection via standard error adjusted adaptive lasso. *Annals of the Institute of Statistical Mathematics*, 65(2):295–318, April 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0368-7>.



[//link.springer.com/article/10.1007/s10463-012-0370-0](http://link.springer.com/article/10.1007/s10463-012-0370-0).

**Basu:2013:TSH**

- [2914] A. Basu, A. Mandal, N. Martin, and L. Pardo. Testing statistical hypotheses based on the density power divergence. *Annals of the Institute of Statistical Mathematics*, 65(2):319–348, April 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0372-y>.

**Leucht:2013:DSU**

- [2915] Anne Leucht and Michael H. Neumann. Degenerate  $U$ - and  $V$ -statistics under ergodicity: asymptotics, bootstrap and applications in statistics. *Annals of the Institute of Statistical Mathematics*, 65(2):349–386, April 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0374-9>.

**Prokesova:2013:APL**

- [2916] Michaela Prokesová and Eva B. Vedel Jensen. Asymptotic Palm likelihood theory for stationary point processes. *Annals of the Institute of Statistical Mathematics*, 65(2):387–412, April 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0376-7>.

**Anonymous:2013:HCB**

- [2917] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 65(2):??, April 2013. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Martin:2013:ICP**

- [2918] James S. Martin, Ajay Jasra, and Emma McCoy. Inference for a class of partially observed point process models. *Annals of the Institute of Statistical Mathematics*, 65(3):413–437, June 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0375-8>.

**McElroy:2013:FCT**

- [2919] Tucker S. McElroy. Forecasting continuous-time processes with applications to signal extraction. *Annals of the Institute of Statistical Mathematics*, 65(3):439–456, June 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0373-x>.

**Ren:2013:OBA**

- [2920] Cuirong Ren and Dongchu Sun. Objective Bayesian analysis for CAR models. *Annals of the Institute of Statistical Mathematics*, 65(3):457–472, June 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0377-6>.

**Xu:2013:CAP**

- [2921] Wangli Xu and Xu Guo. Checking the adequacy of partial linear models with missing covariates at random. *Annals of the Institute of Statistical Mathematics*, 65(3):473–490, June 2013. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0379-4>.

**Andrade:2013:MCI**

- [2922] J. A. A. Andrade and Edward Omev. Modelling conflicting information using subexponential distributions and related classes. *Annals of the Institute of Statistical Mathematics*, 65(3):491–511, June 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0380-y>.

**Hsieh:2013:REF**

- [2923] Yu-Fei Hsieh and Tung-Lung Wu. Recursive equations in finite Markov chain imbedding. *Annals of the Institute of Statistical Mathematics*, 65(3):513–527, June 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0381-x>.

**Liu:2013:CEL**

- [2924] Yukun Liu, Changliang Zou, and Zhaojun Wang. Calibration of the empirical likelihood for high-dimensional data. *Annals of the Institute of Statistical Mathematics*, 65(3):529–550, June 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0384-7>.

**Frey:2013:VEU**

- [2925] Jesse Frey and Timothy G. Feeman. Variance estimation using judgment post-stratification. *Annals of the Institute of Statistical Mathematics*, 65

(3):551–569, June 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0386-5>.

**Aki:2013:CCP**

- [2926] Sigeo Aki and Katuomi Hirano. Coupon collector's problems with statistical applications to rankings. *Annals of the Institute of Statistical Mathematics*, 65(3):571–587, June 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0382-9>.

**Yu:2013:NEE**

- [2927] Keming Yu, Bing Xing Wang, and Valentin Patilea. New estimating equation approaches with application in lifetime data analysis. *Annals of the Institute of Statistical Mathematics*, 65(3):589–615, June 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0385-6>.

**Anonymous:2013:HCc**

- [2928] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 65(3):??, June 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Zheng:2013:REJ**

- [2929] Xueying Zheng, Wing Kam Fung, and Zhongyi Zhu. Robust estimation in joint mean-covariance regression model for longitudinal data. *Annals of the Institute of Statistical Mathematics*, 65



(4):617–638, August 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0383-8>.

**Tang:2013:ELS**

- [2930] Nian-Sheng Tang and Pu-Ying Zhao. Empirical likelihood semiparametric nonlinear regression analysis for longitudinal data with responses missing at random. *Annals of the Institute of Statistical Mathematics*, 65(4):639–665, August 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0387-4>.

**Maruri-Aguilar:2013:ADE**

- [2931] Hugo Maruri-Aguilar, Eduardo Sáenz de Cabezón, and Henry P. Wynn. Alexander duality in experimental designs. *Annals of the Institute of Statistical Mathematics*, 65(4):667–686, August 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0390-9>.

**Afendras:2013:UEV**

- [2932] Giorgos Afendras. Unified extension of variance bounds for integrated Pearson family. *Annals of the Institute of Statistical Mathematics*, 65(4):687–702, August 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0388-3>.

**Macci:2013:LDP**

- [2933] Claudio Macci and Stefano Trapani. Large deviations for posterior distributions on the parameter of a multivariate AR( $p$ ) process. *Annals of the Institute of Statistical Mathematics*, 65(4):703–719, August 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0389-2>.

**Bravo:2013:PLV**

- [2934] Francesco Bravo. Partially linear varying coefficient models with missing at random responses. *Annals of the Institute of Statistical Mathematics*, 65(4):721–762, August 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0391-8>.

**Xi:2013:ENZ**

- [2935] Jing Xi, Ruriko Yoshida, and David Haws. Estimating the number of zero-one multi-way tables via sequential importance sampling. *Annals of the Institute of Statistical Mathematics*, 65(4):763–783, August 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0392-7>.

**Chen:2013:ESM**

- [2936] Song Xi Chen and Ingrid Van Keilegom. Estimation in semiparametric models with missing data. *Annals of the Institute of Statistical Mathematics*, 65(4):785–805, August 2013. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0393-6>.

**Anonymous:2013:HCd**

- [2937] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 65(4):??, August 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Shen:2013:CRH**

- [2938] Xiaotong Shen, Wei Pan, Yunzhang Zhu, and Hui Zhou. On constrained and regularized high-dimensional regression. *Annals of the Institute of Statistical Mathematics*, 65(5):807–832, October 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0396-3>.

**Abe:2013:ECD**

- [2939] Toshihiro Abe, Arthur Pewsey, and Kunio Shimizu. Extending circular distributions through transformation of argument. *Annals of the Institute of Statistical Mathematics*, 65(5):833–858, October 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0394-5>.

**Sugimoto:2013:ADN**

- [2940] Tomoyuki Sugimoto. Asymptotic distribution of the nonparametric distribution estimator based on a martingale approach in doubly censored data. *Annals of the Institute of Statistical Mathematics*, 65(5):859–888, October 2013. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-012-0395-4>.

**Ahn:2013:CRU**

- [2941] Kwang Woo Ahn and Kung-Sik Chan. On the convergence rate of the unscented transformation. *Annals of the Institute of Statistical Mathematics*, 65(5):889–912, October 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0397-x>.

**Hirano:2013:CTP**

- [2942] Toshihiro Hirano and Yoshihiro Yajima. Covariance tapering for prediction of large spatial data sets in transformed random fields. *Annals of the Institute of Statistical Mathematics*, 65(5):913–939, October 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0399-8>.

**Ma:2013:MLV**

- [2943] Chunsheng Ma. Mittag-Leffler vector random fields with Mittag-Leffler direct and cross covariance functions. *Annals of the Institute of Statistical Mathematics*, 65(5):941–958, October 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0398-9>.

**Chigansky:2013:ETA**

- [2944] P. Chigansky and Yu. A. Kutoyants. Estimation in threshold autoregressive models with correlated innova-



tions. *Annals of the Institute of Statistical Mathematics*, 65(5):959–992, October 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0402-4>.

**Liang:2013:OAB**

- [2945] You Liang, Xikui Wang, and Yanqing Yi. One-armed bandit process with a covariate. *Annals of the Institute of Statistical Mathematics*, 65(5):993–1006, October 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0401-5>.

**Anonymous:2013:HCE**

- [2946] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 65(5):??, October 2013. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Pati:2014:BNR**

- [2947] Debdeep Pati and David B. Dunson. Bayesian nonparametric regression with varying residual density. *Annals of the Institute of Statistical Mathematics*, 66(1):1–31, February 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0415-z>.

**Ahmad:2014:SAH**

- [2948] M. Rauf Ahmad. A  $U$ -statistic approach for a high-dimensional two-sample mean testing problem under non-normality and Behrens–Fisher setting. *Annals of the Institute of Statis-*

*tical Mathematics*, 66(1):33–61, February 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0404-2>.

**Kamatani:2014:LCM**

- [2949] Kengo Kamatani. Local consistency of Markov chain Monte Carlo methods. *Annals of the Institute of Statistical Mathematics*, 66(1):63–74, February 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0403-3>.

**Brockwell:2014:BCT**

- [2950] Peter J. Brockwell, Jens-Peter Kreiss, and Tobias Niebuhr. Bootstrapping continuous-time autoregressive processes. *Annals of the Institute of Statistical Mathematics*, 66(1):75–92, February 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0406-0>.

**Fujii:2014:MSA**

- [2951] Masaaki Fujii. Momentum-space approach to asymptotic expansion for stochastic filtering. *Annals of the Institute of Statistical Mathematics*, 66(1):93–120, February 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0405-1>.

**Feng:2014:BCS**

- [2952] Sanying Feng and Liugen Xue. Bias-corrected statistical inference for par-



tially linear varying coefficient errors-in-variables models with restricted condition. *Annals of the Institute of Statistical Mathematics*, 66(1): 121–140, February 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0407-z>.

**Vasiliev:2014:TEM**

- [2953] Vyacheslav A. Vasiliev. A truncated estimation method with guaranteed accuracy. *Annals of the Institute of Statistical Mathematics*, 66(1):141–163, February 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0409-x>.

**Zhao:2014:REV**

- [2954] Weihua Zhao, Riquan Zhang, Jicai Liu, and Yazhao Lv. Robust and efficient variable selection for semiparametric partially linear varying coefficient model based on modal regression. *Annals of the Institute of Statistical Mathematics*, 66(1):165–191, February 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0410-4>.

**Beran:2014:HMT**

- [2955] Jan Beran, Dieter Schell, and Milan Stehlík. The harmonic moment tail index estimator: asymptotic distribution and robustness. *Annals of the Institute of Statistical Mathematics*, 66(1):193–220, February 2014. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0412-2>.

**Anonymous:2014:HCa**

- [2956] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 66(1):??, February 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Leng:2014:BAL**

- [2957] Chenlei Leng, Minh-Ngoc Tran, and David Nott. Bayesian adaptive lasso. *Annals of the Institute of Statistical Mathematics*, 66(2):221–244, April 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0429-6>.

**Xu:2014:OBA**

- [2958] Chang Xu, Dongchu Sun, and Chong He. Objective Bayesian analysis for a capture-recapture model. *Annals of the Institute of Statistical Mathematics*, 66(2):245–278, April 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0413-1>.

**Lan:2014:TCH**

- [2959] Wei Lan, Hansheng Wang, and Chih-Ling Tsai. Testing covariates in high-dimensional regression. *Annals of the Institute of Statistical Mathematics*, 66(2):279–301, April 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0414-0>.



**Chakraborty:2014:DDI**

- [2960] Anirvan Chakraborty and Probal Chaudhuri. On data depth in infinite dimensional spaces. *Annals of the Institute of Statistical Mathematics*, 66(2):303–324, April 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0416-y>.

**Yang:2014:JDT**

- [2961] Yujiao Yang and Qionxia Song. Jump detection in time series nonparametric regression models: a polynomial spline approach. *Annals of the Institute of Statistical Mathematics*, 66(2):325–344, April 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0411-3>.

**Chaudhuri:2014:QIS**

- [2962] Sanjay Chaudhuri. Qualitative inequalities for squared partial correlations of a Gaussian random vector. *Annals of the Institute of Statistical Mathematics*, 66(2):345–367, April 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0417-x>.

**Bharath:2014:AEC**

- [2963] Karthik Bharath, Vladimir Pozdnyakov, and Dipak K. Dey. Asymptotics of the empirical cross-over function. *Annals of the Institute of Statistical Mathematics*, 66(2):369–382, April 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0423-z>.

[com/article/10.1007/s10463-013-0423-z](http://link.springer.com/article/10.1007/s10463-013-0423-z).

**Bravo:2014:VCP**

- [2964] Francesco Bravo. Varying coefficients partially linear models with randomly censored data. *Annals of the Institute of Statistical Mathematics*, 66(2):383–412, April 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0420-2>.

**Galvao:2014:TLA**

- [2965] Antonio F. Galvao, Kengo Kato, Gabriel Montes-Rojas, and Jose Olmo. Testing linearity against threshold effects: uniform inference in quantile regression. *Annals of the Institute of Statistical Mathematics*, 66(2):413–439, April 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0418-9>.

**Anonymous:2014:HCB**

- [2966] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 66(2):??, April 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Yoshida:2014:P**

- [2967] Ryo Yoshida, Genta Ueno, and Arnaud Doucet. Preface. *Annals of the Institute of Statistical Mathematics*, 66(3):441–442, June 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/content/pdf/10.1007/s10463-014-0459-8.pdf>.



**Kitagawa:2014:CAS**

- [2968] Genshiro Kitagawa. Computational aspects of sequential Monte Carlo filter and smoother. *Annals of the Institute of Statistical Mathematics*, 66(3):443–471, June 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0446-0>.

**Mukherjee:2014:SVS**

- [2969] Chiranjit Mukherjee, Prasad S. Kasibhatla, and Mike West. Spatially varying SAR models and Bayesian inference for high-resolution lattice data. *Annals of the Institute of Statistical Mathematics*, 66(3):473–494, June 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0426-9>.

**Nguyen:2014:BNM**

- [2970] XuanLong Nguyen and Alan E. Gelfand. Bayesian nonparametric modeling for functional analysis of variance. *Annals of the Institute of Statistical Mathematics*, 66(3):495–526, June 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0436-7>.

**Pitt:2014:SLI**

- [2971] Michael K. Pitt, Sheheryar Malik, and Arnaud Doucet. Simulated likelihood inference for stochastic volatility models using continuous particle filtering. *Annals of the Institute of Statistical Mathematics*, 66(3):527–552, June 2014. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0456-y>.

**Nam:2014:PSM**

- [2972] Christopher F. H. Nam, John A. D. Aston, and Adam M. Johansen. Parallel sequential Monte Carlo samplers and estimation of the number of states in a hidden Markov model. *Annals of the Institute of Statistical Mathematics*, 66(3):553–575, June 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0450-4>.

**Finke:2014:SPE**

- [2973] Axel Finke, Adam M. Johansen, and Dario Spanò. Static-parameter estimation in piecewise deterministic processes using particle Gibbs samplers. *Annals of the Institute of Statistical Mathematics*, 66(3):577–609, June 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0455-z>.

**Iba:2014:MMS**

- [2974] Yukito Iba, Nen Saito, and Akimasa Kitajima. Multicanonical MCMC for sampling rare events: an illustrative review. *Annals of the Institute of Statistical Mathematics*, 66(3):611–645, June 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0460-2>.



**Anonymous:2014:HCc**

- [2975] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 66(3):??, June 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Brockwell:2014:RRT**

- [2976] P. J. Brockwell. Recent results in the theory and applications of CARMA processes. *Annals of the Institute of Statistical Mathematics*, 66(4):647–685, August 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0468-7>.

**Tanaka:2014:IES**

- [2977] Ushio Tanaka and Yoshihiko Ogata. Identification and estimation of superposed Neyman–Scott spatial cluster processes. *Annals of the Institute of Statistical Mathematics*, 66(4):687–702, August 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0431-z>.

**Bedford:2014:CMI**

- [2978] Tim Bedford and Kevin J. Wilson. On the construction of minimum information bivariate copula families. *Annals of the Institute of Statistical Mathematics*, 66(4):703–723, August 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0422-0>.

**Kuriki:2014:ATP**

- [2979] Satoshi Kuriki, Yoshiaki Harushima, Hironori Fujisawa, and Nori Kurata. Approximate tail probabilities of the maximum of a chi-square field on multi-dimensional lattice points and their applications to detection of loci interactions. *Annals of the Institute of Statistical Mathematics*, 66(4):725–757, August 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0419-8>.

**Balakrishnan:2014:SBS**

- [2980] N. Balakrishnan, M. V. Koutras, and F. S. Milienos. Some binary start-up demonstration tests and associated inferential methods. *Annals of the Institute of Statistical Mathematics*, 66(4):759–787, August 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0424-y>.

**Yanagimoto:2014:PBP**

- [2981] Takemi Yanagimoto and Toshio Ohnishi. Permissible boundary prior function as a virtually proper prior density. *Annals of the Institute of Statistical Mathematics*, 66(4):789–809, August 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0421-1>.

**Jozani:2014:ENN**

- [2982] Mohammad Jafari Jozani, Éric Marchand, and William E. Strawderman.



Estimation of a non-negative location parameter with unknown scale. *Annals of the Institute of Statistical Mathematics*, 66(4):811–832, August 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0425-x>.

**Anonymous:2014:HCd**

- [2983] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 66(4):??, August 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Sibuya:2014:PEP**

- [2984] Masaaki Sibuya. Prediction in Ewens–Pitman sampling formula and random samples from number partitions. *Annals of the Institute of Statistical Mathematics*, 66(5):833–864, October 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0427-8>.

**Wu:2014:REV**

- [2985] Tiejian Wu, Chih-Yuan Hsu, Huang-Yu Chen, and Hui-Chun Yu. Root  $n$  estimates of vectors of integrated density partial derivative functionals. *Annals of the Institute of Statistical Mathematics*, 66(5):865–895, October 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0428-7>.

**Gupta:2014:POF**

- [2986] Ramesh C. Gupta and Cheng Peng. Proportional odds frailty model and stochastic comparisons. *Annals of the Institute of Statistical Mathematics*, 66(5):897–912, October 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0432-y>.

**Ren:2014:ELB**

- [2987] Jian-Jian Ren and Tonya Riddlesworth. Empirical likelihood bivariate nonparametric maximum likelihood estimator with right censored data. *Annals of the Institute of Statistical Mathematics*, 66(5):913–930, October 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0433-x>.

**Ma:2014:EIP**

- [2988] Yunbei Ma, Alan T. K. Wan, Xuerong Chen, and Yong Zhou. On estimation and inference in a partially linear hazard model with varying coefficients. *Annals of the Institute of Statistical Mathematics*, 66(5):931–960, October 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0430-0>.

**Paige:2014:ESB**

- [2989] Robert L. Paige, A. Alexandre Trindade, and R. Indika P. Wickramasinghe. Extensions of saddlepoint-based bootstrap inference. *Annals of the Institute of Statistical Mathematics*, 66



(5):961–981, October 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0434-9>.

**Aoshima:2014:DBM**

- [2990] Makoto Aoshima and Kazuyoshi Yata. A distance-based, misclassification rate adjusted classifier for multiclass, high-dimensional data. *Annals of the Institute of Statistical Mathematics*, 66(5):983–1010, October 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0435-8>.

**Anonymous:2014:HCE**

- [2991] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 66(5):??, October 2014. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Colling:2015:EED**

- [2992] Benjamin Colling, Cédric Heuchenne, Rawane Samb, and Ingrid Van Keilegom. Estimation of the error density in a semiparametric transformation model. *Annals of the Institute of Statistical Mathematics*, 67(1):1–18, February 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0441-x>.

**Podgorski:2015:MLO**

- [2993] Krzysztof Podgórski and Jonas Wallin. Maximizing leave-one-out likelihood for the location parameter of unbounded densities. *Annals of the Institute of Statistical Mathematics*, 67

(1):19–38, February 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0437-6>.

**Akashi:2015:LIM**

- [2994] Kentaro Akashi and Naoto Kunitomo. The limited information maximum likelihood approach to dynamic panel structural equation models. *Annals of the Institute of Statistical Mathematics*, 67(1):39–73, February 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0438-5>.

**Kuang:2015:MLE**

- [2995] Nenghui Kuang and Huantian Xie. Maximum likelihood estimator for the sub-fractional Brownian motion approximated by a random walk. *Annals of the Institute of Statistical Mathematics*, 67(1):75–91, February 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0439-4>.

**Cheng:2015:SEE**

- [2996] Guang Cheng, Hao Helen Zhang, and Zuofeng Shang. Sparse and efficient estimation for partial spline models with increasing dimension. *Annals of the Institute of Statistical Mathematics*, 67(1):93–127, February 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0440-y>.



**Thavaneswaran:2015:GDM**

- [2997] Aerambamoorthy Thavaneswaran, Nalini Ravishanker, and You Liang. Generalized duration models and optimal estimation using estimating functions. *Annals of the Institute of Statistical Mathematics*, 67(1):129–156, February 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0442-9>.

**Chen:2015:CCB**

- [2998] Ting-Li Chen. On the convergence and consistency of the blurring mean-shift process. *Annals of the Institute of Statistical Mathematics*, 67(1):157–176, February 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0443-8>.

**Hotz:2015:IMC**

- [2999] T. Hotz and S. Huckemann. Intrinsic means on the circle: uniqueness, locus and asymptotics. *Annals of the Institute of Statistical Mathematics*, 67(1):177–193, February 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0444-7>.

**Elijio:2015:CPA**

- [3000] A. Elijio and V. Cekanavicius. Compound Poisson approximation to weighted sums of symmetric discrete variables. *Annals of the Institute of Statistical Mathematics*, 67(1):195–210, February 2015. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-013-0445-6>.

**Anonymous:2015:HC**

- [3001] Anonymous. Help & contacts. *Annals of the Institute of Statistical Mathematics*, 67(1):??, February 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Jiang:2015:EES**

- [3002] Binyan Jiang. An empirical estimator for the sparsity of a large covariance matrix under multivariate normal assumptions. *Annals of the Institute of Statistical Mathematics*, 67(2):211–227, April 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0447-z>.

**Guo:2015:MCP**

- [3003] Xu Guo, Wangli Xu, and Lixing Zhu. Model checking for parametric regressions with response missing at random. *Annals of the Institute of Statistical Mathematics*, 67(2):229–259, April 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0451-3>.

**Tsukuma:2015:MER**

- [3004] Hisayuki Tsukuma and Tatsuya Kubokawa. Minimality in estimation of restricted and non-restricted scale parameter matrices. *Annals of the Institute of Statistical Mathematics*, 67(2):261–285, April 2015. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0449-x>.

**Luo:2015:EBI**

- [3005] Shan Luo, Jinfeng Xu, and Zehua Chen. Extended Bayesian information criterion in the Cox model with a high-dimensional feature space. *Annals of the Institute of Statistical Mathematics*, 67(2):287–311, April 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0448-y>.

**Sun:2015:NHM**

- [3006] Yan Sun and Dan Ralescu. A normal hierarchical model and minimum contrast estimation for random intervals. *Annals of the Institute of Statistical Mathematics*, 67(2):313–333, April 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0453-1>.

**Terada:2015:SCF**

- [3007] Yoshikazu Terada. Strong consistency of factorial  $K$ -means clustering. *Annals of the Institute of Statistical Mathematics*, 67(2):335–357, April 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0454-0>.

**Li:2015:GEB**

- [3008] Weiming Li and Jianfeng Yao. On generalized expectation-based estimation of a population spectral distribution from high-dimensional data. *Annals of*

*the Institute of Statistical Mathematics*, 67(2):359–373, April 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0452-2>.

**Lv:2015:QVR**

- [3009] Yazhao Lv, Riquan Zhang, Weihua Zhao, and Jicai Liu. Quantile regression and variable selection of partial linear single-index model. *Annals of the Institute of Statistical Mathematics*, 67(2):375–409, April 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0457-x>.

**Ojeda:2015:TRM**

- [3010] J. L. Ojeda, W. González-Manteiga, and J. A. Cristóbal. Testing regression models with selection-biased data. *Annals of the Institute of Statistical Mathematics*, 67(3):411–436, June 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0463-z>.

**Dette:2015:TAN**

- [3011] Holger Dette, Matthias Gühlich, and Natalie Neumeyer. Testing for additivity in nonparametric quantile regression. *Annals of the Institute of Statistical Mathematics*, 67(3):437–477, June 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0461-1>.



Goegebeur:2015:RCW

- [3012] Yuri Goegebeur, Armelle Guillo, and Théo Rietsch. Robust conditional Weibull-type estimation. *Annals of the Institute of Statistical Mathematics*, 67(3):479–514, June 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0458-9>.

Nagaraja:2015:SAO

- [3013] H. N. Nagaraja, Karthik Bharath, and Fangyuan Zhang. Spacings around an order statistic. *Annals of the Institute of Statistical Mathematics*, 67(3):515–540, June 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0466-9>.

Zhou:2015:ECS

- [3014] Haojin Zhou and Tapan K. Nayak. On the equivariance criterion in statistical prediction. *Annals of the Institute of Statistical Mathematics*, 67(3):541–555, June 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0464-y>.

Kashikar:2015:PPS

- [3015] Akanksha S. Kashikar and S. R. Deshmukh. Probabilistic properties of second order branching process. *Annals of the Institute of Statistical Mathematics*, 67(3):557–572, June 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0462-0>.

Pewsey:2015:SAL

- [3016] Arthur Pewsey and Toshihiro Abe. The sinh-arcsinh logistic family of distributions: properties and inference. *Annals of the Institute of Statistical Mathematics*, 67(3):573–594, June 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0465-x>.

Doring:2015:SCP

- [3017] Maik Döring and Uwe Jensen. Smooth change point estimation in regression models with random design. *Annals of the Institute of Statistical Mathematics*, 67(3):595–619, June 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0467-8>.

Slavkovic:2015:FMW

- [3018] Aleksandra Slavković, Xiaotian Zhu, and Sonja Petrović. Fibers of multiway contingency tables given conditionals: relation to marginals, cell bounds and Markov bases. *Annals of the Institute of Statistical Mathematics*, 67(4):621–648, August 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0471-z>.

Fernandes:2015:TSC

- [3019] Marcelo Fernandes, Eduardo F. Mendes, and Olivier Scaillet. Testing for symmetry and conditional symmetry using asymmetric kernels. *Annals of the Institute of Statistical Mathematics*, 67(4):649–671, August 2015. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0469-6>.

**Yin:2015:MDC**

- [3020] Yue Yin and Julie Zhou. Minimax design criterion for fractional factorial designs. *Annals of the Institute of Statistical Mathematics*, 67(4):673–685, August 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0470-0>.

**Dinwoodie:2015:ETS**

- [3021] Ian H. Dinwoodie and Kruti Pandya. Exact tests for singular network data. *Annals of the Institute of Statistical Mathematics*, 67(4):687–706, August 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0472-y>.

**Bibinger:2015:EQC**

- [3022] Markus Bibinger and Mathias Vetter. Estimating the quadratic covariation of an asynchronously observed semimartingale with jumps. *Annals of the Institute of Statistical Mathematics*, 67(4):707–743, August 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0473-x>.

**Kim:2015:EIF**

- [3023] Daeyoung Kim and Bruce G. Lindsay. Empirical identifiability in finite mixture models. *Annals of the Institute of Statistical Mathematics*, 67

(4):745–772, August 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0474-9>.

**Liang:2015:EHM**

- [3024] Yuli Liang, Dietrich von Rosen, and Tatjana von Rosen. On estimation in hierarchical models with block circular covariance structures. *Annals of the Institute of Statistical Mathematics*, 67(4):773–791, August 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0475-8>.

**Xu:2015:NCP**

- [3025] Wangli Xu and Lixing Zhu. Nonparametric check for partial linear errors-in-covariables models with validation data. *Annals of the Institute of Statistical Mathematics*, 67(4):793–815, August 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0476-7>.

**Wang:2015:PVC**

- [3026] Xuan Wang, Qihua Wang, and Xiaohua Andrew Zhou. Partially varying coefficient single-index additive hazard models. *Annals of the Institute of Statistical Mathematics*, 67(5):817–841, October 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0484-7>.



**Jones:2015:CCC**

- [3027] M. C. Jones, Arthur Pewsey, and Shogo Kato. On a class of circular copulas for circular distributions. *Annals of the Institute of Statistical Mathematics*, 67(5):843–862, October 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0493-6>.

**Chang:2015:ETO**

- [3028] Yuan-Tsung Chang and Nobuo Shinozaki. Estimation of two ordered normal means under modified Pitman nearness criterion. *Annals of the Institute of Statistical Mathematics*, 67(5):863–883, October 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0479-4>.

**Lemonte:2015:LPP**

- [3029] Artur J. Lemonte. On local power properties of the  $LR$ , Wald, score and gradient tests in nonlinear mixed-effects models. *Annals of the Institute of Statistical Mathematics*, 67(5):885–895, October 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0478-5>.

**Zhao:2015:ECB**

- [3030] Xiao Bing Zhao and Xian Zhou. Estimation of copula-based models for lifetime medical costs. *Annals of the Institute of Statistical Mathematics*, 67(5):897–915, October 2015. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0477-6>.

**Dyckerhoff:2015:DBR**

- [3031] Rainer Dyckerhoff, Christophe Ley, and Davy Paindaveine. Depth-based runs tests for bivariate central symmetry. *Annals of the Institute of Statistical Mathematics*, 67(5):917–941, October 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0480-y>.

**Ninomiya:2015:CPM**

- [3032] Yoshiyuki Ninomiya. Change-point model selection via AIC. *Annals of the Institute of Statistical Mathematics*, 67(5):943–961, October 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0481-x>.

**Mukhopadhyay:2015:COB**

- [3033] Minerva Mukhopadhyay, Tapas Samanta, and Arijit Chakrabarti. On consistency and optimality of Bayesian variable selection based on  $g$ -prior in normal linear regression models. *Annals of the Institute of Statistical Mathematics*, 67(5):963–997, October 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0483-8>.

**Liu:2015:QRL**

- [3034] Peng Liu, Yixin Wang, and Yong Zhou. Quantile residual lifetime with right-censored and length-biased data.



*Annals of the Institute of Statistical Mathematics*, 67(5):999–1028, October 2015. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0482-9>.

**Malinowski:2016:IWM**

- [3035] Alexander Malinowski, Martin Schlather, and Zhengjun Zhang. Intrinsically weighted means and non-ergodic marked point processes. *Annals of the Institute of Statistical Mathematics*, 68(1):1–24, February 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0485-6>.

**Efromovich:2016:MTN**

- [3036] Sam Efromovich. Minimax theory of nonparametric hazard rate estimation: efficiency and adaptation. *Annals of the Institute of Statistical Mathematics*, 68(1):25–75, February 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0487-4>.

**Ducharme:2016:CMD**

- [3037] Gilles R. Ducharme, Pierre Lafaye de Micheaux, and Bastien Marchina. The complex multinormal distribution, quadratic forms in complex random vectors and an omnibus goodness-of-fit test for the complex normal distribution. *Annals of the Institute of Statistical Mathematics*, 68(1):77–104, February 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0486-5>.

[com/article/10.1007/s10463-014-0486-5](http://link.springer.com/article/10.1007/s10463-014-0486-5).

**Jimenez-Gamero:2016:FMM**

- [3038] M. D. Jiménez-Gamero, A. Batsidis, and M. V. Alba-Fernández. Fourier methods for model selection. *Annals of the Institute of Statistical Mathematics*, 68(1):105–133, February 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0491-8>.

**Zhu:2016:TPE**

- [3039] Xuehu Zhu, Xu Guo, Lu Lin, and Lixing Zhu. Testing for positive expectation dependence. *Annals of the Institute of Statistical Mathematics*, 68(1):135–153, February 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0492-7>.

**He:2016:ESP**

- [3040] Yawei He and Zehua Chen. The EBIC and a sequential procedure for feature selection in interactive linear models with high-dimensional data. *Annals of the Institute of Statistical Mathematics*, 68(1):155–180, February 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0497-2>.

**Ma:2016:EIF**

- [3041] Shujie Ma. Estimation and inference in functional single-index models. *Annals of the Institute of Statistical Mathematics*, 68(1):181–208, February 2016.



ary 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0488-3>.

**Proksch:2016:CBM**

- [3042] Katharina Proksch. On confidence bands for multivariate nonparametric regression. *Annals of the Institute of Statistical Mathematics*, 68(1): 209–236, February 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0494-5>.

**Kim:2016:TII**

- [3043] Moosup Kim and Sangyeol Lee. On the tail index inference for heavy-tailed GARCH-type innovations. *Annals of the Institute of Statistical Mathematics*, 68(2):237–267, April 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0495-4>.

**Huang:2016:PMM**

- [3044] Zhiyue Huang and Paul Marriott. Parameterizing mixture models with generalized moments. *Annals of the Institute of Statistical Mathematics*, 68(2):269–297, April 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0490-9>.

**Huang:2016:EPM**

- [3045] Zhiyue Huang and Paul Marriott. Erratum to: Parameterizing mixture models with generalized moments.

*Annals of the Institute of Statistical Mathematics*, 68(2):299–300, April 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-015-0521-1>; <http://link.springer.com/content/pdf/10.1007/s10463-015-0521-1.pdf>.

**Hwang:2016:KEM**

- [3046] Eunju Hwang and Dong Wan Shin. Kernel estimators of mode under  $\psi$ -weak dependence. *Annals of the Institute of Statistical Mathematics*, 68(2):301–327, April 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0489-2>.

**Yuan:2016:ERA**

- [3047] Ke-Hai Yuan, Wai Chan, and Yubin Tian. Expectation-robust algorithm and estimating equations for means and dispersion matrix with missing data. *Annals of the Institute of Statistical Mathematics*, 68(2):329–351, April 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0498-1>.

**Avendano:2016:SGP**

- [3048] M. L. Avendaño and M. C. Pardo. A semiparametric generalized proportional hazards model for right-censored data. *Annals of the Institute of Statistical Mathematics*, 68(2):353–384, April 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0498-1>.



com/article/10.1007/s10463-014-0496-3.

**Drapatz:2016:SSS**

- [3049] Martin Drapatz. Strictly stationary solutions of spatial ARMA equations. *Annals of the Institute of Statistical Mathematics*, 68(2):385–412, April 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0500-y>.

**Ghosh:2016:RBE**

- [3050] Abhik Ghosh and Ayanendranath Basu. Robust Bayes estimation using the density power divergence. *Annals of the Institute of Statistical Mathematics*, 68(2):413–437, April 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0499-0>.

**Girardin:2016:EDM**

- [3051] Valérie Girardin and Philippe Renault. Escort distributions minimizing the Kullback–Leibler divergence for a large deviations principle and tests of entropy level. *Annals of the Institute of Statistical Mathematics*, 68(2):439–468, April 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0501-x>.

**Akahira:2016:SOA**

- [3052] Masafumi Akahira. Second-order asymptotic comparison of the MLE and MCLE of a natural parameter for a

truncated exponential family of distributions. *Annals of the Institute of Statistical Mathematics*, 68(3):469–490, June 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-014-0502-9>.

**Jentsch:2016:BSQ**

- [3053] Carsten Jentsch and Anne Leucht. Bootstrapping sample quantiles of discrete data. *Annals of the Institute of Statistical Mathematics*, 68(3):491–539, June 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-015-0503-3>.

**Banerjee:2016:GSF**

- [3054] Swarnali Banerjee and Nitis Mukhopadhyay. A general sequential fixed-accuracy confidence interval estimation methodology for a positive parameter: illustrations using health and safety data. *Annals of the Institute of Statistical Mathematics*, 68(3):541–570, June 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-015-0504-2>.

**Rukhin:2016:DTI**

- [3055] Andrew L. Rukhin. Decision-theoretic issues in heterogeneity variance estimation. *Annals of the Institute of Statistical Mathematics*, 68(3):571–588, June 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-015-0505-1>.



**Osorio:2016:IDR**

- [3056] Felipe Osorio. Influence diagnostics for robust  $P$ -splines using scale mixture of normal distributions. *Annals of the Institute of Statistical Mathematics*, 68(3):589–619, June 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-015-0506-0>.

**Lee:2016:PCT**

- [3057] Sangyeol Lee and Haejune Oh. Parameter change test for autoregressive conditional duration models. *Annals of the Institute of Statistical Mathematics*, 68(3):621–637, June 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-015-0541-x>.

**Bedbur:2016:IMS**

- [3058] Stefan Bedbur, Marco Burkschat, and Udo Kamps. Inference in a model of successive failures with shape-adjusted hazard rates. *Annals of the Institute of Statistical Mathematics*, 68(3):639–657, June 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-015-0508-y>.

**Wang:2016:OPB**

- [3059] Yaping Wang, Mingyao Ai, and Kang Li. Optimality of pairwise blocked definitive screening designs. *Annals of the Institute of Statistical Mathematics*, 68(3):659–671, June 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-015-0510-4>.

[//link.springer.com/article/10.1007/s10463-015-0510-4](http://link.springer.com/article/10.1007/s10463-015-0510-4).

**Lin:2016:ORQ**

- [3060] Liang-Ching Lin and Meihui Guo. Optimal restricted quadratic estimator of integrated volatility. *Annals of the Institute of Statistical Mathematics*, 68(3):673–703, June 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-015-0507-z>.

**Kurata:2016:BEE**

- [3061] Hiroshi Kurata and Shun Matsuura. Best equivariant estimator of regression coefficients in a seemingly unrelated regression model with known correlation matrix. *Annals of the Institute of Statistical Mathematics*, 68(4):705–723, August 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0512-2>.

**Ma:2016:PEG**

- [3062] Shujie Ma, Zijian Huang, and Chih-Ling Tsai. Parameter estimation for a generalized semiparametric model with repeated measurements. *Annals of the Institute of Statistical Mathematics*, 68(4):725–764, August 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0513-1>.

**Li:2016:CES**

- [3063] Huiqin Li, Zhi Dong Bai, and Jiang Hu. Convergence of empirical spec-



tral distributions of large dimensional quaternion sample covariance matrices. *Annals of the Institute of Statistical Mathematics*, 68(4):765–785, August 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0514-0>.

**Mukerjee:2016:ATA**

- [3064] Rahul Mukerjee and S. Huda. Approximate theory-aided robust efficient factorial fractions under baseline parametrization. *Annals of the Institute of Statistical Mathematics*, 68(4):787–803, August 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0509-x>.

**Ghosh:2016:RAB**

- [3065] Palash Ghosh and Anup Dewanji. Regression analysis of biased case-control data. *Annals of the Institute of Statistical Mathematics*, 68(4):805–825, August 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0511-3>.

**Bissantz:2016:SBA**

- [3066] Nicolai Bissantz, Holger Dette, Thimo Hildebrandt, and Kathrin Bissantz. Smooth backfitting in additive inverse regression. *Annals of the Institute of Statistical Mathematics*, 68(4):827–853, August 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0517-x>.

[com/accesspage/article/10.1007/s10463-015-0517-x](http://link.springer.com/accesspage/article/10.1007/s10463-015-0517-x).

**Zheng:2016:CRD**

- [3067] Ming Zheng, Renxin Lin, and Wen Yu. Competing risks data analysis under the accelerated failure time model with missing cause of failure. *Annals of the Institute of Statistical Mathematics*, 68(4):855–876, August 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0516-y>.

**Min:2016:BMS**

- [3068] Xiaoyi Min and Dongchu Sun. Bayesian model selection for a linear model with grouped covariates. *Annals of the Institute of Statistical Mathematics*, 68(4):877–903, August 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0518-9>.

**Cronie:2016:SSI**

- [3069] O. Cronie and M. N. M. van Lieshout. Summary statistics for inhomogeneous marked point processes. *Annals of the Institute of Statistical Mathematics*, 68(4):905–928, August 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0515-z>.

**Kojadinovic:2016:TCS**

- [3070] Ivan Kojadinovic, Jean-François Quessy, and Tom Rohmer. Testing the constancy of Spearman’s rho in multi-



variate time series. *Annals of the Institute of Statistical Mathematics*, 68(5):929–954, October 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0520-2>.

**Barmi:2016:TUS**

- [3071] Hammou El Barmi and Ian W. McKague. Testing for uniform stochastic ordering via empirical likelihood. *Annals of the Institute of Statistical Mathematics*, 68(5):955–976, October 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0523-z>.

**Qin:2016:REG**

- [3072] Guoyou Qin, Zhongyi Zhu, and Wing K. Fung. Robust estimation of generalized partially linear model for longitudinal data with dropouts. *Annals of the Institute of Statistical Mathematics*, 68(5):977–1000, October 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0519-8>.

**Zhao:2016:AFT**

- [3073] Mu Zhao, Yixin Wang, and Yong Zhou. Accelerated failure time model with quantile information. *Annals of the Institute of Statistical Mathematics*, 68(5):1001–1024, October 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/>

[article/10.1007/s10463-015-0522-0](http://link.springer.com/accesspage/article/10.1007/s10463-015-0522-0).

**Bizjajeva:2016:ASS**

- [3074] Svetlana Bizjajeva and Jimmy Olsson. Antithetic sampling for sequential Monte Carlo methods with application to state-space models. *Annals of the Institute of Statistical Mathematics*, 68(5):1025–1053, October 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0524-y>.

**Aki:2016:MEV**

- [3075] Sigeo Aki and Katuomi Hirano. On monotonicity of expected values of some run-related distributions. *Annals of the Institute of Statistical Mathematics*, 68(5):1055–1072, October 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0525-x>.

**Emura:2016:SIA**

- [3076] Takeshi Emura and Weijing Wang. Semiparametric inference for an accelerated failure time model with dependent truncation. *Annals of the Institute of Statistical Mathematics*, 68(5):1073–1094, October 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0526-9>.

**Yang:2016:JEL**

- [3077] Hanfang Yang, Shen Liu, and Yichuan Zhao. Jackknife empirical likelihood



- for linear transformation models with right censoring. *Annals of the Institute of Statistical Mathematics*, 68(5): 1095–1109, October 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0528-7>.
- Lu:2016:SBS**
- [3078] Minggen Lu and Chin-Shang Li. Spline-based semiparametric estimation of a zero-inflated Poisson regression single-index model. *Annals of the Institute of Statistical Mathematics*, 68(5):1111–1134, October 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0527-8>.
- deWet:2016:KRW**
- [3079] Tertius de Wet, Yuri Goegebeur, Armelle Guillou, and Michael Osmann. Kernel regression with Weibull-type tails. *Annals of the Institute of Statistical Mathematics*, 68(5):1135–1162, October 2016. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0531-z>.
- Mano:2017:ESG**
- [3080] Shuhei Mano. Extreme sizes in Gibbs-type exchangeable random partitions. *Annals of the Institute of Statistical Mathematics*, 69(1): 1–37, February 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0530-0>; <http://link.springer.com/article/10.1007/s10463-015-0530-0>.
- Ley:2017:EAD**
- [3081] Christophe Ley, Yvik Swan, and Thomas Verdebout. Efficient ANOVA for directional data. *Annals of the Institute of Statistical Mathematics*, 69(1):39–62, February 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0533-x>; <http://link.springer.com/article/10.1007/s10463-015-0533-x>.
- Hu:2017:CSI**
- [3082] Qinqin Hu and Lu Lin. Conditional sure independence screening by conditional marginal empirical likelihood. *Annals of the Institute of Statistical Mathematics*, 69(1):63–96, February 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0534-9>; <http://link.springer.com/article/10.1007/s10463-015-0534-9>.
- Zhang:2017:GVC**
- [3083] Jun Zhang, Zhenghui Feng, Peirong Xu, and Hua Liang. Generalized varying coefficient partially linear measurement errors models. *Annals of the Institute of Statistical Mathematics*, 69(1):97–120, February 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0532-y>; <http://link.springer.com/article/10.1007/s10463-015-0532-y>.



Guo:2017:SCW

Bott:2017:NEC

- [3084] Huijun Guo and Youming Liu. Strong consistency of wavelet estimators for errors-in-variables regression model. *Annals of the Institute of Statistical Mathematics*, 69(1): 121–144, February 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0529-6>; <http://link.springer.com/article/10.1007/s10463-015-0529-6>.

- [3087] Ann-Kathrin Bott and Michael Kohler. Nonparametric estimation of a conditional density. *Annals of the Institute of Statistical Mathematics*, 69(1):189–214, February 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0535-8>; <http://link.springer.com/article/10.1007/s10463-015-0535-8>.

Zhang:2017:CCP

Bodnar:2017:SIE

- [3085] Liwen Zhang, Huixia Judy Wang, and Zhongyi Zhu. Composite change point estimation for bent line quantile regression. *Annals of the Institute of Statistical Mathematics*, 69(1): 145–168, February 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0538-5>; <http://link.springer.com/article/10.1007/s10463-015-0538-5>.

- [3088] Taras Bodnar and Thorsten Dickhaus. On the Simes inequality in elliptical models. *Annals of the Institute of Statistical Mathematics*, 69(1):215–230, February 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0539-4>; <http://link.springer.com/article/10.1007/s10463-015-0539-4>.

Li:2017:PEE

Martin:2017:FED

- [3086] Yongjin Li, Qingzhao Zhang, and Qihua Wang. Penalized estimation equation for an extended single-index model. *Annals of the Institute of Statistical Mathematics*, 69(1): 169–187, February 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0544-7>; <http://link.springer.com/article/10.1007/s10463-015-0544-7>.

- [3089] Donald E. K. Martin and Laurent Noé. Faster exact distributions of pattern statistics through sequential elimination of states. *Annals of the Institute of Statistical Mathematics*, 69(1):231–248, February 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0540-y>; <http://link.springer.com/article/10.1007/s10463-015-0540-y>.

Liu:2017:CJE

- [3090] Xiaohui Liu, Qihua Wang, and Yi Liu. A consistent jackknife empirical like-



- likelihood test for distribution functions. *Annals of the Institute of Statistical Mathematics*, 69(2):249–269, April 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0550-9>.
- Yuan:2017:SCK**
- [3091] Ao Yuan, Mihai Giurcanu, George Luta, and Ming T. Tan. *U*-statistics with conditional kernels for incomplete data models. *Annals of the Institute of Statistical Mathematics*, 69(2):271–302, April 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0537-6>.
- Coeurjolly:2017:MBE**
- [3092] Jean-François Coeurjolly. Median-based estimation of the intensity of a spatial point process. *Annals of the Institute of Statistical Mathematics*, 69(2):303–331, April 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0536-7>.
- Raim:2017:AIM**
- [3093] Andrew M. Raim, Nagaraj K. Neerchal, and Jorge G. Morel. An approximation to the information matrix of exponential family finite mixtures. *Annals of the Institute of Statistical Mathematics*, 69(2):333–364, April 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0542-9>.
- Hu:2017:TEH**
- [3094] Jiang Hu, Zhidong Bai, Chen Wang, and Wei Wang. On testing the equality of high dimensional mean vectors with unequal covariance matrices. *Annals of the Institute of Statistical Mathematics*, 69(2):365–387, April 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0543-8>.
- Aletti:2017:BBG**
- [3095] Giacomo Aletti and Matteo Ruffini. Is the Brownian bridge a good noise model on the boundary of a circle? *Annals of the Institute of Statistical Mathematics*, 69(2):389–416, April 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0546-5>.
- Kozyra:2017:LUB**
- [3096] Pawel Marcin Kozyra and Tomasz Rychlik. Lower and upper bounds on the variances of spacings. *Annals of the Institute of Statistical Mathematics*, 69(2):417–428, April 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0545-6>.
- Partlett:2017:MAT**
- [3097] Christopher Partlett and Prakash Patil. Measuring asymmetry and testing symmetry. *Annals of the In-*



*stitute of Statistical Mathematics*, 69 (2):429–460, April 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0547-4>.

**Paulauskas:2017:CNT**

- [3098] Vygantas Paulauskas and Marijus Vaiciulis. A class of new tail index estimators. *Annals of the Institute of Statistical Mathematics*, 69(2):461–487, April 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0548-3>.

**Kong:2017:NAE**

- [3099] Yong Kong. Number of appearances of events in random sequences: a new generating function approach to Type II and Type III runs. *Annals of the Institute of Statistical Mathematics*, 69(2):489–495, April 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/accesspage/article/10.1007/s10463-015-0549-2>.

**Kong:2017:TLR**

- [3100] Yong Kong. The  $m$ -th longest runs of multivariate random sequences. *Annals of the Institute of Statistical Mathematics*, 69(3):497–512, June 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Prokesova:2017:TSE**

- [3101] Michaela Prokesová, Jirí Dvorák, and Eva B. Vedel Jensen. Two-step estimation procedures for inhomogeneous

shot-noise Cox processes. *Annals of the Institute of Statistical Mathematics*, 69(3):513–542, June 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Fourdrinier:2017:BMR**

- [3102] Dominique Fourdrinier, Fatiha Mezoued, and William E. Strawderman. A Bayes minimax result for spherically symmetric unimodal distributions. *Annals of the Institute of Statistical Mathematics*, 69(3):543–570, June 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Yuan:2017:ICR**

- [3103] Ke-Hai Yuan and Peter M. Bentler. Improving the convergence rate and speed of Fisher-scoring algorithm: ridge and anti-ridge methods in structural equation modeling. *Annals of the Institute of Statistical Mathematics*, 69(3):571–597, June 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Luo:2017:NNP**

- [3104] Shan Luo and Gengsheng Qin. New non-parametric inferences for low-income proportions. *Annals of the Institute of Statistical Mathematics*, 69(3):599–626, June 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Wu:2017:NVS**

- [3105] Ping Wu, Xinchao Luo, Peirong Xu, and Lixing Zhu. New variable selection for linear mixed-effects models. *Annals of the Institute of Statistical Mathematics*, 69(3):627–646, June



2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Xi:2017:DTT**

- [3106] Jing Xi, Jin Xie, and Ruriko Yoshida. Distributions of topological tree metrics between a species tree and a gene tree. *Annals of the Institute of Statistical Mathematics*, 69(3):647–671, June 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Gross:2017:GFL**

- [3107] Elizabeth Gross, Sonja Petrović, and Despina Stasi. Goodness of fit for log-linear network models: dynamic Markov bases using hypergraphs. *Annals of the Institute of Statistical Mathematics*, 69(3):673–704, June 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Mao:2017:EPS**

- [3108] Chang Xuan Mao, Cuiying Yang, Yitong Yang, and Wei Zhuang. Estimating population sizes with the Rasch model. *Annals of the Institute of Statistical Mathematics*, 69(3):705–716, June 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic).

**Balakrishnan:2017:ISD**

- [3109] N. Balakrishnan, M. V. Koutras, and F. S. Milienos. On the identifiability of start-up demonstration mixture models. *Annals of the Institute of Statistical Mathematics*, 69(4):717–735, August 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0569-6>.

**Dentcheva:2017:SEC**

- [3110] Darinka Dentcheva, Spiridon Penev, and Andrzej Ruszczyński. Statistical estimation of composite risk functionals and risk optimization problems. *Annals of the Institute of Statistical Mathematics*, 69(4):737–760, August 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0559-8>.

**Zhao:2017:QVR**

- [3111] Weihua Zhao, Riquan Zhang, Yazhao Lv, and Jicai Liu. Quantile regression and variable selection of single-index coefficient model. *Annals of the Institute of Statistical Mathematics*, 69(4):761–789, August 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0558-9>.

**Vaiter:2017:DFP**

- [3112] Samuel Vaiter, Charles Deledalle, Jalal Fadili, Gabriel Peyré, and Charles Dossal. The degrees of freedom of partly smooth regularizers. *Annals of the Institute of Statistical Mathematics*, 69(4):791–832, August 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0563-z>.

**Tsukuda:2017:CDP**

- [3113] Koji Tsukuda. A change detection procedure for an ergodic diffusion process. *Annals of the Institute of Statistical Mathematics*, 69(4):833–864, August 2017. CODEN AISXAD. ISSN



0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0564-y>.

**Donovan:2017:SAC**

- [3114] Diane Donovan, Benjamin Haaland, and David J. Nott. A simple approach to constructing quasi-Sudoku-based sliced space-filling designs. *Annals of the Institute of Statistical Mathematics*, 69(4):865–878, August 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0565-x>.

**Le:2017:UFM**

- [3115] Hồng Vân Lê. The uniqueness of the Fisher metric as information metric. *Annals of the Institute of Statistical Mathematics*, 69(4):879–896, August 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0562-0>.

**Lv:2017:UPM**

- [3116] Shaogao Lv, Xin He, and Junhui Wang. A unified penalized method for sparse additive quantile models: an RKHS approach. *Annals of the Institute of Statistical Mathematics*, 69(4):897–923, August 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0566-9>.

**Mies:2017:CPP**

- [3117] Fabian Mies and Stefan Bedbur. On the coverage probabilities of parametric confidence bands for continuous dis-

tribution and quantile functions constructed via confidence regions for a location-scale parameter. *Annals of the Institute of Statistical Mathematics*, 69(4):925–944, August 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0570-0>.

**Kim:2017:ETE**

- [3118] Moosup Kim and Sangyeol Lee. Estimation of the tail exponent of multivariate regular variation. *Annals of the Institute of Statistical Mathematics*, 69(5):945–968, October 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0574-9>.

**Baringhaus:2017:LDW**

- [3119] L. Baringhaus, B. Ebner, and N. Henze. The limit distribution of weighted  $L^2$ -goodness-of-fit statistics under fixed alternatives, with applications. *Annals of the Institute of Statistical Mathematics*, 69(5):969–995, October 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0567-8>.

**Kwon:2017:DSA**

- [3120] Sunghoon Kwon, Jeongyoun Ahn, Woncheol Jang, Sangin Lee, and Yongdai Kim. A doubly sparse approach for group variable selection. *Annals of the Institute of Statistical Mathematics*, 69(5):997–1025, October 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0574-9>.



1007/s10463-016-0571-z. See erratum [3121].

**Kwon:2017:EDS**

- [3121] Sunghoon Kwon, Jeongyoun Ahn, Woncheol Jang, Sangin Lee, and Yongdai Kim. Erratum to: A doubly sparse approach for group variable selection. *Annals of the Institute of Statistical Mathematics*, 69(5):1027, October 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/content/pdf/10.1007/s10463-017-0612-2.pdf>; <http://link.springer.com/article/10.1007/s10463-017-0612-2>. See [3120].

**Ozturk:2017:SIE**

- [3122] Omer Ozturk. Statistical inference with empty strata in judgment post stratified samples. *Annals of the Institute of Statistical Mathematics*, 69(5):1029–1057, October 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0572-y>.

**Yang:2017:SJE**

- [3123] Hanfang Yang and Yichuan Zhao. Smoothed jackknife empirical likelihood for the difference of two quantiles. *Annals of the Institute of Statistical Mathematics*, 69(5):1059–1073, October 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0576-7>.

**Grosjean:2017:AAG**

- [3124] Nicolas Grosjean and Thierry Huillet. Additional aspects of the generalized linear-fractional branching process. *Annals of the Institute of Statistical Mathematics*, 69(5):1075–1097, October 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0573-x>.

**Lu:2017:EEQ**

- [3125] Minggen Lu. Efficient estimation of quasi-likelihood models using B-splines. *Annals of the Institute of Statistical Mathematics*, 69(5):1099–1127, October 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0575-8>.

**Fu:2017:CCD**

- [3126] James C. Fu and Wan-Chen Lee. On coupon collector's and Dixie cup problems under fixed and random sample size sampling schemes. *Annals of the Institute of Statistical Mathematics*, 69(5):1129–1139, October 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0578-5>.

**Shimizu:2017:MCR**

- [3127] Yusuke Shimizu. Moment convergence of regularized least-squares estimator for linear regression model. *Annals of the Institute of Statistical Mathematics*, 69(5):1141–1154, October 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (elec-



tronic). URL <http://link.springer.com/article/10.1007/s10463-016-0577-6>.

**Vellaisamy:2017:CSA**

- [3128] P. Vellaisamy. Collapsibility of some association measures and survival models. *Annals of the Institute of Statistical Mathematics*, 69(5):1155–1176, October 2017. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0580-y>.

**Khmaladze:2018:FDS**

- [3129] Estate Khmaladze and Wolfgang Weil. Fold-up derivatives of set-valued functions and the change-set problem: A survey. *Annals of the Institute of Statistical Mathematics*, 70(1):1–38, February 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0628-7>.

**Chernoyarov:2018:PEC**

- [3130] O. V. Chernoyarov, S. Dachian, and Yu. A. Kutoyants. On parameter estimation for cusp-type signals. *Annals of the Institute of Statistical Mathematics*, 70(1):39–62, February 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0581-x>.

**Bhuyan:2018:IID**

- [3131] Prajmitra Bhuyan, Murari Mitra, and Anup Dewanji. Identifiability issues in dynamic stress-strength modeling. *Annals of the Institute of Statistical*

*Mathematics*, 70(1):63–81, February 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0579-4>.

**Ruggiero:2018:CDC**

- [3132] Matteo Ruggiero and Matteo Sordello. Clustering dynamics in a class of normalised generalised gamma dependent priors. *Annals of the Institute of Statistical Mathematics*, 70(1):83–98, February 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0583-8>.

**Barden:2018:LBF**

- [3133] D. Barden, H. Le, and M. Owen. Limiting behaviour of Fréchet means in the space of phylogenetic trees. *Annals of the Institute of Statistical Mathematics*, 70(1):99–129, February 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0582-9>.

**Xiang:2018:SMN**

- [3134] Sijia Xiang and Weixin Yao. Semiparametric mixtures of nonparametric regressions. *Annals of the Institute of Statistical Mathematics*, 70(1):131–154, February 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0584-7>.

**Liang:2018:WEC**

- [3135] Han-Ying Liang and Elias Ould Saïd. A weighted estimator of conditional



hazard rate with left-truncated and dependent data. *Annals of the Institute of Statistical Mathematics*, 70 (1):155–189, February 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0587-4>.

**Wang:2018:VSE**

- [3136] Yanxin Wang, Qibin Fan, and Li Zhu. Variable selection and estimation using a continuous approximation to the  $L_0$  penalty. *Annals of the Institute of Statistical Mathematics*, 70 (1):191–214, February 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0588-3>.

**Zheng:2018:ISP**

- [3137] Nan Zheng and Brajendra C. Sutradhar. Inferences in semi-parametric dynamic mixed models for longitudinal count data. *Annals of the Institute of Statistical Mathematics*, 70 (1):215–247, February 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0590-9>.

**Wu:2018:FLE**

- [3138] C. F. Jeff Wu. A fresh look at effect aliasing and interactions: some new wine in old bottles. *Annals of the Institute of Statistical Mathematics*, 70(2):249–268, April 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0646-0>. See discussion [3139, 3140] and rejoinder [3141].

**Peng:2018:D**

- [3139] Chien-Yu Peng. Discussion. *Annals of the Institute of Statistical Mathematics*, 70(2):269–274, April 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0640-y>. See [3138].

**Yoshida:2018:DPP**

- [3140] Ryo Yoshida. Discussion on the paper by Professor Wu. *Annals of the Institute of Statistical Mathematics*, 70(2):275–278, April 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0641-x>. See [3138].

**Wu:2018:R**

- [3141] C. F. Jeff Wu. Rejoinder. *Annals of the Institute of Statistical Mathematics*, 70(2):279–281, April 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0639-4>. See [3138, 3139, 3140].

**Liu:2018:MFF**

- [3142] Yi Liu and Qihua Wang. Model-free feature screening for ultrahigh-dimensional data conditional on some variables. *Annals of the Institute of Statistical Mathematics*, 70(2):283–301, April 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0597-2>.



**Chen:2018:CTT**

- [3143] Chen Chen and Hosam Mahmoud. The continuous-time triangular Pólya process. *Annals of the Institute of Statistical Mathematics*, 70(2):303–321, April 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0594-5>.

**Wang:2018:VSS**

- [3144] Kangning Wang. Variable selection for spatial semivarying coefficient models. *Annals of the Institute of Statistical Mathematics*, 70(2):323–351, April 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0589-2>.

**Bandyopadhyay:2018:FWC**

- [3145] Uttam Bandyopadhyay and Atanu Biswas. Fixed-width confidence interval for covariate-adjusted response-adaptive designs. *Annals of the Institute of Statistical Mathematics*, 70(2):353–371, April 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0596-3>.

**Eyolfsson:2018:SEJ**

- [3146] Heidar Eyolfsson and Dag Tjøstheim. Self-exciting jump processes with applications to energy markets. *Annals of the Institute of Statistical Mathematics*, 70(2):373–393, April 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0591-8>.

[//link.springer.com/article/10.1007/s10463-016-0591-8](http://link.springer.com/article/10.1007/s10463-016-0591-8).

**Hsieh:2018:QRB**

- [3147] Jin-Jian Hsieh and Hong-Rui Wang. Quantile regression based on counting process approach under semi-competing risks data. *Annals of the Institute of Statistical Mathematics*, 70(2):395–419, April 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0593-6>.

**Shimodaira:2018:ICM**

- [3148] Hidetoshi Shimodaira and Haruyoshi Maeda. An information criterion for model selection with missing data via complete-data divergence. *Annals of the Institute of Statistical Mathematics*, 70(2):421–438, April 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0592-7>.

**Kohler:2018:NQE**

- [3149] Michael Kohler, Adam Krzyzak, Reinhard Tent, and Harro Walk. Non-parametric quantile estimation using importance sampling. *Annals of the Institute of Statistical Mathematics*, 70(2):439–465, April 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-016-0595-4>.

**Kevei:2018:AMA**

- [3150] Péter Kevei. Asymptotic moving average representation of high-frequency sampled multivariate CARMA pro-



cesses. *Annals of the Institute of Statistical Mathematics*, 70(2):467–487, April 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0601-5>.

**Tang:2018:RVS**

- [3151] Qingguo Tang and R. J. Karunamuni. Robust variable selection for finite mixture regression models. *Annals of the Institute of Statistical Mathematics*, 70(3):489–521, June 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0602-4>.

**Chiang:2018:VEC**

- [3152] Chin-Tsang Chiang, Shao-Hsuan Wang, and Ming-Yueh Huang. Versatile estimation in censored single-index hazards regression. *Annals of the Institute of Statistical Mathematics*, 70(3):523–551, June 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0600-6>.

**Zhao:2018:AVC**

- [3153] Weihua Zhao, Jianbo Li, and Heng Lian. Adaptive varying-coefficient linear quantile model: a profiled estimating equations approach. *Annals of the Institute of Statistical Mathematics*, 70(3):553–582, June 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0599-8>.

**Razmkhah:2018:SIB**

- [3154] M. Razmkhah and S. Simriz. Statistical inferences based on INID progressively type II censored order statistics. *Annals of the Institute of Statistical Mathematics*, 70(3):583–604, June 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0598-9>.

**Giurcanu:2018:BIM**

- [3155] Mihai Giurcanu and Brett Presnell. Bootstrap inference for misspecified moment condition models. *Annals of the Institute of Statistical Mathematics*, 70(3):605–630, June 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0604-2>.

**Kong:2018:FSD**

- [3156] Xiangshun Kong, Mingyao Ai, and Kwok Leung Tsui. Flexible sliced designs for computer experiments. *Annals of the Institute of Statistical Mathematics*, 70(3):631–646, June 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0603-3>.

**Eckle:2018:MIM**

- [3157] Konstantin Eckle, Nicolai Bissantz, Holger Dette, Katharina Proksch, and Sabrina Einecke. Multiscale inference for a multivariate density with applications to X-ray astronomy. *Annals of the Institute of Statistical Mathematics*, 70(3):647–689, June 2018. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0605-1>.

**Banerjee:2018:MPT**

- [3158] Buddhananda Banerjee and Satyaki Mazumder. A more powerful test identifying the change in mean of functional data. *Annals of the Institute of Statistical Mathematics*, 70(3):691–715, June 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0606-0>.

**Thorpe:2018:PCP**

- [3159] Matthew Thorpe and Adam M. Johansen. Pointwise convergence in probability of general smoothing splines. *Annals of the Institute of Statistical Mathematics*, 70(4):717–744, August 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0609-x>.

**Bandyopadhyay:2018:ATV**

- [3160] Soutir Bandyopadhyay and Arnab Maity. Asymptotic theory for varying coefficient regression models with dependent data. *Annals of the Institute of Statistical Mathematics*, 70(4):745–759, August 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0607-z>.

**Wu:2018:ERT**

- [3161] Jingjing Wu and Rohana J. Karunamuni. Efficient and robust tests for semiparametric models. *Annals of the*

*Institute of Statistical Mathematics*, 70(4):761–788, August 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0608-y>.

**An:2018:JEL**

- [3162] Yueheng An and Yichuan Zhao. Jackknife empirical likelihood for the difference of two volumes under ROC surfaces. *Annals of the Institute of Statistical Mathematics*, 70(4):789–806, August 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0631-z>.

**Chen:2018:ICP**

- [3163] Fuqi Chen, Rogemar Mamon, and Séverien Nkurunziza. Inference for a change-point problem under a generalised Ornstein–Uhlenbeck setting. *Annals of the Institute of Statistical Mathematics*, 70(4):807–853, August 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0610-4>.

**Kozubowski:2018:GSD**

- [3164] Tomasz J. Kozubowski and Krzysztof Podgórski. A generalized Sibuya distribution. *Annals of the Institute of Statistical Mathematics*, 70(4):855–887, August 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0611-3>.



**Efromovich:2018:HRE**

- [3165] Sam Efromovich and Jufen Chu. Hazard rate estimation for left truncated and right censored data. *Annals of the Institute of Statistical Mathematics*, 70(4):889–917, August 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0617-x>.

**Boente:2018:TEB**

- [3166] Graciela Boente, Daniela Rodriguez, and Mariela Sued. Testing equality between several populations covariance operators. *Annals of the Institute of Statistical Mathematics*, 70(4):919–950, August 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0613-1>.

**Koutras:2018:ARJ**

- [3167] Markos V. Koutras and Demetrios P. Lyberopoulos. Asymptotic results for jump probabilities associated to the multiple scan statistic. *Annals of the Institute of Statistical Mathematics*, 70(5):951–968, October 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0621-1>.

**Maesono:2018:SNT**

- [3168] Yoshihiko Maesono, Taku Moriyama, and Mengxin Lu. Smoothed nonparametric tests and approximations of  $p$ -values. *Annals of the Institute of Statistical Mathematics*, 70(5):969–982, October 2018. CODEN AISXAD. ISSN

0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0614-0>.

**Kahle:2018:HSE**

- [3169] David Kahle, Ruriko Yoshida, and Luis Garcia-Puente. Hybrid schemes for exact conditional inference in discrete exponential families. *Annals of the Institute of Statistical Mathematics*, 70(5):983–1011, October 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0615-z>.

**Niu:2018:RAM**

- [3170] Cuizhen Niu and Lixing Zhu. A robust adaptive-to-model enhancement test for parametric single-index models. *Annals of the Institute of Statistical Mathematics*, 70(5):1013–1045, October 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0626-9>. See correction [3171].

**Niu:2018:CRA**

- [3171] Cuizhen Niu and Lixing Zhu. Correction to: A robust adaptive-to-model enhancement test for parametric single-index models. *Annals of the Institute of Statistical Mathematics*, 70(5):1047, October 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0633-x>; <http://link.springer.com/content/pdf/10.1007/s10463-017-0633-x.pdf>. See [3170].



**Mukhopadhyay:2018:PSB**

- [3172] Nitis Mukhopadhyay and Sudeep R. Bapat. Purely sequential bounded-risk point estimation of the negative binomial mean under various loss functions: one-sample problem. *Annals of the Institute of Statistical Mathematics*, 70(5):1049–1075, October 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0620-2>.

**Zhang:2018:CHT**

- [3173] Jun Zhang, Zhenghui Feng, and Xiaoguang Wang. A constructive hypothesis test for the single-index models with two groups. *Annals of the Institute of Statistical Mathematics*, 70(5):1077–1114, October 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0616-y>.

**Bindele:2018:GRB**

- [3174] Huybrechts F. Bindele, Ash Abebe, and Karlene N. Meyer. General rank-based estimation for regression single index models. *Annals of the Institute of Statistical Mathematics*, 70(5):1115–1146, October 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0618-9>.

**Fang:2018:GPL**

- [3175] Yixin Fang, Heng Lian, and Hua Liang. A generalized partially linear framework for variance functions. *Annals of the Institute of Statistical*

*Mathematics*, 70(5):1147–1175, October 2018. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0619-8>.

**Kim:2019:SEE**

- [3176] Mijeong Kim and Yanyuan Ma. Semi-parametric efficient estimators in heteroscedastic error models. *Annals of the Institute of Statistical Mathematics*, 71(1):1–28, February 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0622-0>.

**Belomestny:2019:SHV**

- [3177] Denis Belomestny, Fabienne Comte, and Valentine Genon-Catalot. Sobolev-Hermite versus Sobolev nonparametric density estimation on  $\mathbf{R}$ . *Annals of the Institute of Statistical Mathematics*, 71(1):29–62, February 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0624-y>.

**Ozturk:2019:TSC**

- [3178] Omer Ozturk. Two-stage cluster samples with ranked set sampling designs. *Annals of the Institute of Statistical Mathematics*, 71(1):63–91, February 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0623-z>.

**Kuo:2019:PGS**

- [3179] Kun-Lin Kuo and Yuchung J. Wang. Pseudo-Gibbs sampler for discrete con-



- ditional distributions. *Annals of the Institute of Statistical Mathematics*, 71(1):93–105, February 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0625-x>.
- Bauer:2019:ESM**
- [3180] Benedikt Bauer, Felix Heimrich, Michael Kohler, and Adam Krzyzak. On estimation of surrogate models for multivariate computer experiments. *Annals of the Institute of Statistical Mathematics*, 71(1):107–136, February 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0627-8>.
- Liang:2019:CUT**
- [3181] Jiajuan Liang, Kai Wang Ng, and Guoliang Tian. A class of uniform tests for goodness-of-fit of the multivariate  $L_p$ -norm spherical distributions and the  $l_p$ -norm symmetric distributions. *Annals of the Institute of Statistical Mathematics*, 71(1):137–162, February 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0630-0>.
- Gaunt:2019:AEN**
- [3182] Robert E. Gaunt, Satish Iyengar, Adri B. Olde Daalhuis, and Burcin Simsek. An asymptotic expansion for the normalizing constant of the Conway–Maxwell–Poisson distribution. *Annals of the Institute of Statistical Mathematics*, 71(1):163–180, February 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0629-6>.
- Muller:2019:IAS**
- [3183] Ursula U. Müller, Hanxiang Peng, and Anton Schick. Inference about the slope in linear regression: an empirical likelihood approach. *Annals of the Institute of Statistical Mathematics*, 71(1):181–211, February 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0632-y>.
- Dobler:2019:BKM**
- [3184] Dennis Dobler. Bootstrapping the Kaplan–Meier estimator on the whole line. *Annals of the Institute of Statistical Mathematics*, 71(1):213–246, February 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0634-9>.
- Umezu:2019:ANC**
- [3185] Yuta Umezu, Yusuke Shimizu, Hiroki Masuda, and Yoshiyuki Ninomiya. AIC for the non-concave penalized likelihood method. *Annals of the Institute of Statistical Mathematics*, 71(2):247–274, April 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0649-x>.
- Gao:2019:FMA**
- [3186] Yan Gao, Xinyu Zhang, Shouyang Wang, Terence Tai leung Chong, and



- Guohua Zou. Frequentist model averaging for threshold models. *Annals of the Institute of Statistical Mathematics*, 71(2):275–306, April 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0642-9>.
- Aki:2019:WTC**
- [3187] Sigeo Aki. Waiting time for consecutive repetitions of a pattern and related distributions. *Annals of the Institute of Statistical Mathematics*, 71(2):307–325, April 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0644-2>.
- Chatterjee:2019:TNA**
- [3188] Debajit Chatterjee and Uttam Bandyopadhyay. Testing in nonparametric ANCOVA model based on ridit reliability functional. *Annals of the Institute of Statistical Mathematics*, 71(2):327–364, April 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-017-0643-8>.
- Qi:2019:WEE**
- [3189] Lihong Qi, Xu Zhang, Yanqing Sun, Lu Wang, and Yichuan Zhao. Weighted estimating equations for additive hazards models with missing covariates. *Annals of the Institute of Statistical Mathematics*, 71(2):365–387, April 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0648-y>.
- Rafik:2019:GUM**
- [3190] Aguech Rafik, Lasmar Nabil, and Selmi Olfa. A generalized urn with multiple drawing and random addition. *Annals of the Institute of Statistical Mathematics*, 71(2):389–408, April 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0651-3>.
- Liao:2019:PER**
- [3191] Lina Liao, Cheolwoo Park, and Hosik Choi. Penalized expectile regression: an alternative to penalized quantile regression. *Annals of the Institute of Statistical Mathematics*, 71(2):409–438, April 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0645-1>.
- Graczyk:2019:WEF**
- [3192] Piotr Graczyk, Hideyuki Ishi, and Salha Mamane. Wishart exponential families on cones related to tridiagonal matrices. *Annals of the Institute of Statistical Mathematics*, 71(2):439–471, April 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0647-z>.
- Aoshima:2019:DBC**
- [3193] Makoto Aoshima and Kazuyoshi Yata. Distance-based classifier by data transformation for high-dimension, strongly spiked eigenvalue models. *Annals of the Institute of Statistical Mathematics*, 71(3):473–503, June 2019. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0655-z>.

**Park:2019:THP**

- [3194] Junyong Park. Testing homogeneity of proportions from sparse binomial data with a large number of groups. *Annals of the Institute of Statistical Mathematics*, 71(3):505–535, June 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0652-2>.

**Nezakati:2019:RAS**

- [3195] Ensiyeh Nezakati, Mostafa Razmkhah, and Firoozeh Haghighi. Reliability analysis of a  $k$ -out-of- $n$ :  $F$  system under a linear degradation model with calibrations. *Annals of the Institute of Statistical Mathematics*, 71(3):537–552, June 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0650-4>.

**Guo:2019:REU**

- [3196] Huijun Guo and Youming Liu. Regression estimation under strong mixing data. *Annals of the Institute of Statistical Mathematics*, 71(3):553–576, June 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0653-1>.

**Lima:2019:MBS**

- [3197] Italo R. Lima, Guanqun Cao, and Nédret Billor. M-based simultaneous inference for the mean function of func-

tional data. *Annals of the Institute of Statistical Mathematics*, 71(3):577–598, June 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0656-y>.

**Aulbach:2019:TNG**

- [3198] Stefan Aulbach, Michael Falk, and Timo Fuller. Testing for a  $\delta$ -neighborhood of a generalized Pareto copula. *Annals of the Institute of Statistical Mathematics*, 71(3):599–626, June 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0657-x>.

**Kuchibhotla:2019:SIB**

- [3199] Arun Kumar Kuchibhotla, Somabha Mukherjee, and Ayanendranath Basu. Statistical inference based on bridge divergences. *Annals of the Institute of Statistical Mathematics*, 71(3):627–656, June 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0665-x>.

**Wang:2019:SEU**

- [3200] Zhaoliang Wang, Liugen Xue, Gaorong Li, and Fei Lu. Spline estimator for ultra-high dimensional partially linear varying coefficient models. *Annals of the Institute of Statistical Mathematics*, 71(3):657–677, June 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0654-0>.



**Barreto-Souza:2019:SGE**

- [3201] Wagner Barreto-Souza and Vinícius Diniz Mayrink. Semiparametric generalized exponential frailty model for clustered survival data. *Annals of the Institute of Statistical Mathematics*, 71(3):679–701, June 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0658-9>.

**Koike:2019:APR**

- [3202] Yuta Koike and Zhi Liu. Asymptotic properties of the realized skewness and related statistics. *Annals of the Institute of Statistical Mathematics*, 71(4):703–741, August 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0659-8>.

**Levine:2019:RFE**

- [3203] Michael Levine. Robust functional estimation in the multivariate partial linear model. *Annals of the Institute of Statistical Mathematics*, 71(4):743–770, August 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0661-1>.

**Miroshnikov:2019:APP**

- [3204] Alexey Miroshnikov and Evgeny Savelev. Asymptotic properties of parallel Bayesian kernel density estimators. *Annals of the Institute of Statistical Mathematics*, 71(4):771–810, August 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0662-0>.

[com/article/10.1007/s10463-018-0662-0](http://link.springer.com/article/10.1007/s10463-018-0662-0).

**Gribkova:2019:WAT**

- [3205] Nadezhda Gribkova and Ricardas Zitikis. Weighted allocations, their concomitant-based estimators, and asymptotics. *Annals of the Institute of Statistical Mathematics*, 71(4):811–835, August 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0660-2>.

**Takagi:2019:BRU**

- [3206] Yoshiharu Takagi and Yutaka Kano. Bias reduction using surrogate endpoints as auxiliary variables. *Annals of the Institute of Statistical Mathematics*, 71(4):837–852, August 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0667-8>.

**Mynbaev:2019:UED**

- [3207] Kairat Mynbaev and Carlos Martins-Filho. Unified estimation of densities on bounded and unbounded domains. *Annals of the Institute of Statistical Mathematics*, 71(4):853–887, August 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0663-z>.

**Wang:2019:DRK**

- [3208] Lei Wang. Dimension reduction for kernel-assisted  $M$ -estimators with missing response at random. *Annals of the Institute of Statistical Mathematics*, 71(4):889–910, August 2019. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0664-y>.

**Qi:2019:LDL**

- [3209] Yongcheng Qi, Fang Wang, and Lin Zhang. Limiting distributions of likelihood ratio test for independence of components for high-dimensional normal vectors. *Annals of the Institute of Statistical Mathematics*, 71(4):911–946, August 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0666-9>.

**Kim:2019:TTI**

- [3210] Moosup Kim and Sangyeol Lee. Test for tail index constancy of GARCH innovations based on conditional volatility. *Annals of the Institute of Statistical Mathematics*, 71(4):947–981, August 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0669-6>.

**Gu:2019:SCB**

- [3211] Lijie Gu, Suojin Wang, and Lijian Yang. Simultaneous confidence bands for the distribution function of a finite population in stratified sampling. *Annals of the Institute of Statistical Mathematics*, 71(4):983–1005, August 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0668-7>.

**Chen:2019:JFS**

- [3212] Xiaolin Chen, Yi Liu, and Qihua Wang. Joint feature screening for ultra-high-dimensional sparse additive hazards model by the sparsity-restricted pseudo-score estimator. *Annals of the Institute of Statistical Mathematics*, 71(5):1007–1031, October 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0675-8>.

**Lee:2019:CTG**

- [3213] Youngmi Lee and Sangyeol Lee. CUSUM test for general nonlinear integer-valued GARCH models: comparison study. *Annals of the Institute of Statistical Mathematics*, 71(5):1033–1057, October 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0676-7>.

**Oh:2019:MRC**

- [3214] Haejune Oh and Sangyeol Lee. Modified residual CUSUM test for location-scale time series models with heteroscedasticity. *Annals of the Institute of Statistical Mathematics*, 71(5):1059–1091, October 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0679-4>.

**Wu:2019:HSM**

- [3215] Xianyi Wu and Xian Zhou. On Hodges' superefficiency and merits of oracle property in model selection. *Annals of the Institute of Statistical*



*Mathematics*, 71(5):1093–1119, October 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0670-0>.

**Choi:2019:MLE**

- [3216] Jungjun Choi and In Choi. Maximum likelihood estimation of autoregressive models with a near unit root and Cauchy errors. *Annals of the Institute of Statistical Mathematics*, 71(5):1121–1142, October 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0671-z>.

**Wang:2019:BEB**

- [3217] Xuejun Wang, Yi Wu, and Shuhe Hu. The Berry–Esseen bounds of the weighted estimator in a nonparametric regression model. *Annals of the Institute of Statistical Mathematics*, 71(5):1143–1162, October 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0677-6>.

**Lv:2019:QEM**

- [3218] Jing Lv and Chaohui Guo. Quantile estimations via modified Cholesky decomposition for longitudinal single-index models. *Annals of the Institute of Statistical Mathematics*, 71(5):1163–1199, October 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0673-x>.

**Sun:2019:SER**

- [3219] Zhuoer Sun and Suojin Wang. Semi-parametric estimation in regression with missing covariates using single-index models. *Annals of the Institute of Statistical Mathematics*, 71(5):1201–1232, October 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0672-y>.

**Hansmann:2019:SUC**

- [3220] Matthias Hansmann, Michael Kohler, and Harro Walk. On the strong universal consistency of local averaging regression estimates. *Annals of the Institute of Statistical Mathematics*, 71(5):1233–1263, October 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0674-9>. See correction [3221].

**Hansmann:2019:CSU**

- [3221] Matthias Hansmann, Michael Kohler, and Harro Walk. Correction to: On the strong universal consistency of local averaging regression estimates. *Annals of the Institute of Statistical Mathematics*, 71(5):1265–1269, October 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0687-4>; <http://link.springer.com/content/pdf/10.1007/s10463-018-0687-4.pdf>. See [3220].

**Schoenberg:2019:RPP**

- [3222] Frederic Paik Schoenberg, Marc Hoffmann, and Ryan J. Harrigan. A re-



cursive point process model for infectious diseases. *Annals of the Institute of Statistical Mathematics*, 71(5): 1271–1287, October 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0690-9>.

**Maji:2019:RSI**

- [3223] Avijit Maji, Abhik Ghosh, Ayanendranath Basu, and Leandro Pardo. Robust statistical inference based on the  $C$ -divergence family. *Annals of the Institute of Statistical Mathematics*, 71(5):1289–1322, October 2019. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0678-5>.

**West:2020:BFM**

- [3224] Mike West. Bayesian forecasting of multivariate time series: scalability, structure uncertainty and decisions. *Annals of the Institute of Statistical Mathematics*, 72(1):1–31, February 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00741-3>. See discussion [3225, 3226] and reply [3227].

**Nakajima:2020:DBF**

- [3225] Jouchi Nakajima. Discussion of “Bayesian forecasting of multivariate time series: scalability, structure uncertainty and decisions”. *Annals of the Institute of Statistical Mathematics*, 72(1):33–36, February 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00742-2>. See [3224, 3227].

[//link.springer.com/article/10.1007/s10463-019-00742-2](http://link.springer.com/article/10.1007/s10463-019-00742-2). See [3224, 3227].

**Glynn:2020:DBF**

- [3226] Chris Glynn. Discussion of “Bayesian forecasting of multivariate time series: scalability, structure uncertainty and decisions”. *Annals of the Institute of Statistical Mathematics*, 72(1):37–39, February 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00743-1>. See [3224, 3227].

**West:2020:RDB**

- [3227] Mike West. Reply to discussion of “Bayesian forecasting of multivariate time series: scalability, structure uncertainty and decisions”. *Annals of the Institute of Statistical Mathematics*, 72(1):41–44, February 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00744-0>. See [3224, 3225, 3226].

**He:2020:DMS**

- [3228] Xin He and Junhui Wang. Discovering model structure for partially linear models. *Annals of the Institute of Statistical Mathematics*, 72(1):45–63, February 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0682-9>.



**Chen:2020:TSS**

- [3229] Zehua Chen and Yiwei Jiang. A two-stage sequential conditional selection approach to sparse high-dimensional multivariate regression models. *Annals of the Institute of Statistical Mathematics*, 72(1):65–90, February 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0686-5>.

**Berger:2020:ELA**

- [3230] Yves G. Berger. An empirical likelihood approach under cluster sampling with missing observations. *Annals of the Institute of Statistical Mathematics*, 72(1):91–121, February 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0681-x>.

**Kohler:2020:EQI**

- [3231] Michael Kohler and Adam Krzyzak. Estimating quantiles in imperfect simulation models using conditional density estimation. *Annals of the Institute of Statistical Mathematics*, 72(1):123–155, February 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0683-8>.

**Dumbgen:2020:IDF**

- [3232] Lutz Dümbgen and Ehsan Zamanzade. Inference on a distribution function from ranked set samples. *Annals of the Institute of Statistical Mathematics*, 72(1):157–185, February 2020. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0680-y>.

**Moriyama:2020:NKE**

- [3233] Taku Moriyama and Yoshihiko Maesono. New kernel estimators of the hazard ratio and their asymptotic properties. *Annals of the Institute of Statistical Mathematics*, 72(1):187–211, February 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0685-6>.

**Zhao:2020:MQR**

- [3234] Weihua Zhao, Weiping Zhang, and Heng Lian. Marginal quantile regression for varying coefficient models with longitudinal data. *Annals of the Institute of Statistical Mathematics*, 72(1):213–234, February 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0684-7>.

**Konev:2020:SFA**

- [3235] Victor Konev and Bogdan Nazarenko. Sequential fixed accuracy estimation for nonstationary autoregressive processes. *Annals of the Institute of Statistical Mathematics*, 72(1):235–264, February 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0689-2>.

**Bravo:2020:SQR**

- [3236] Francesco Bravo. Semiparametric quantile regression with random



- censoring. *Annals of the Institute of Statistical Mathematics*, 72(1): 265–295, February 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0688-3>.
- Poignard:2020:ATA**
- [3237] Benjamin Poignard. Asymptotic theory of the adaptive Sparse Group Lasso. *Annals of the Institute of Statistical Mathematics*, 72(1): 297–328, February 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0692-7>.
- Copas:2020:SMD**
- [3238] John Copas and Shinto Eguchi. Strong model dependence in statistical analysis: goodness of fit is not enough for model choice. *Annals of the Institute of Statistical Mathematics*, 72(2):329–352, April 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0691-8>.
- Luu:2020:SOI**
- [3239] Tung Duy Luu, Jalal Fadili, and Christophe Chesneau. Sharp oracle inequalities for low-complexity priors. *Annals of the Institute of Statistical Mathematics*, 72(2):353–397, April 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0693-6>.
- Afendras:2020:LDS**
- [3240] Georgios Afendras, Nickos Papadatos, and Violetta E. Piperigou. On the limiting distribution of sample central moments. *Annals of the Institute of Statistical Mathematics*, 72(2):399–425, April 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0695-4>.
- Zou:2020:EDE**
- [3241] Feng Zou and Hengjian Cui. Error density estimation in high-dimensional sparse linear model. *Annals of the Institute of Statistical Mathematics*, 72(2):427–449, April 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0699-0>.
- Barmi:2020:TPS**
- [3242] Hammou El Barmi. A test for the presence of stochastic ordering under censoring: the  $k$ -sample case. *Annals of the Institute of Statistical Mathematics*, 72(2):451–470, April 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0694-5>.
- Chowdhury:2020:CRK**
- [3243] Joydeep Chowdhury and Probal Chaudhuri. Convergence rates for kernel regression in infinite-dimensional spaces. *Annals of the Institute of Statistical Mathematics*, 72(2):471–509, April 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0694-5>.



com/article/10.1007/s10463-018-0697-2.

**Tsuruta:2020:TPB**

- [3244] Yasuhito Tsuruta and Masahiko Sagae. Theoretical properties of bandwidth selectors for kernel density estimation on the circle. *Annals of the Institute of Statistical Mathematics*, 72(2):511–530, April 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0701-x>.

**Wu:2020:CWT**

- [3245] Tung-Lung Wu. Conditional waiting time distributions of runs and patterns and their applications. *Annals of the Institute of Statistical Mathematics*, 72(2):531–543, April 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0696-3>.

**Olsson:2020:PBO**

- [3246] Jimmy Olsson and Johan Westerborn Alenlöv. Particle-based online estimation of tangent filters with application to parameter estimation in nonlinear state-space models. *Annals of the Institute of Statistical Mathematics*, 72(2):545–576, April 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0698-1>.

**Delsol:2020:SEN**

- [3247] Laurent Delsol and Ingrid Van Keilegom. Semiparametric  $M$ -estimation with non-smooth criterion functions.

*Annals of the Institute of Statistical Mathematics*, 72(2):577–605, April 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0700-y>.

**Durante:2020:SHC**

- [3248] Fabrizio Durante, Juan Fernández Sánchez, and Wolfgang Trutschnig. Spatially homogeneous copulas. *Annals of the Institute of Statistical Mathematics*, 72(2):607–626, April 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0703-8>.

**Jones:2020:PCR**

- [3249] Ben Jones and Andreas Artemiou. On principal components regression with Hilbertian predictors. *Annals of the Institute of Statistical Mathematics*, 72(2):627–644, April 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-0702-9>.

**Jones:2020:USD**

- [3250] M. C. Jones. On univariate slash distributions, continuous and discrete. *Annals of the Institute of Statistical Mathematics*, 72(3):645–657, June 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00708-4>.



**Brehmer:2020:PCP**

- [3251] Jonas R. Brehmer and Tilmann Gneiting. Properization: constructing proper scoring rules via Bayes acts. *Annals of the Institute of Statistical Mathematics*, 72(3):659–673, June 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00705-7>.

**Farinetto:2020:PSL**

- [3252] C. Farinetto, Yu. A. Kutoyants, and A. Top. Poisson source localization on the plane: change-point case. *Annals of the Institute of Statistical Mathematics*, 72(3):675–698, June 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-018-00704-0>.

**Zhang:2020:EHT**

- [3253] Jun Zhang, Xia Cui, and Heng Peng. Estimation and hypothesis test for partial linear single-index multiplicative models. *Annals of the Institute of Statistical Mathematics*, 72(3):699–740, June 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00706-6>.

**Henze:2020:MGN**

- [3254] Norbert Henze and Celeste Mayer. More good news on the HKM test for multivariate reflected symmetry about an unknown centre. *Annals of the Institute of Statistical Mathematics*, 72(3):741–770, June 2020. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00707-5>.

**Abrams:2020:NEC**

- [3255] Steven Abrams, Paul Janssen, Jan Swanepoel, and Noël Veraverbeke. Nonparametric estimation of the cross ratio function. *Annals of the Institute of Statistical Mathematics*, 72(3):771–801, June 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00709-3>.

**Kato:2020:SBM**

- [3256] Ryo Kato and Takahiro Hoshino. Semiparametric Bayesian multiple imputation for regression models with missing mixed continuous-discrete covariates. *Annals of the Institute of Statistical Mathematics*, 72(3):803–825, June 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00710-w>.

**Feng:2020:NVS**

- [3257] Zhenghui Feng, Lu Lin, Ruoqing Zhu, and Lixing Zhu. Nonparametric variable selection and its application to additive models. *Annals of the Institute of Statistical Mathematics*, 72(3):827–854, June 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00711-9>.

**Agostinelli:2020:RES**

- [3258] Claudio Agostinelli, Ana M. Bianco, and Graciela Boente. Robust estima-



tion in single-index models when the errors have a unimodal density with unknown nuisance parameter. *Annals of the Institute of Statistical Mathematics*, 72(3):855–893, June 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00712-8>.

**Martin:2020:DPS**

- [3259] Donald E. K. Martin. Distributions of pattern statistics in sparse Markov models. *Annals of the Institute of Statistical Mathematics*, 72(4):895–913, August 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00714-6>.

**Gardes:2020:EEC**

- [3260] Laurent Gardes, Armelle Guillou, and Claire Roman. Estimation of extreme conditional quantiles under a general tail-first-order condition. *Annals of the Institute of Statistical Mathematics*, 72(4):915–943, August 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00713-7>.

**Li:2020:STI**

- [3261] Chenlong Li, Zhanjie Song, and Wenjun Wang. Space-time inhomogeneous background intensity estimators for semi-parametric space-time self-exciting point process models. *Annals of the Institute of Statistical Mathematics*, 72(4):945–967, August 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00715-5>.

[com/article/10.1007/s10463-019-00715-5](http://link.springer.com/article/10.1007/s10463-019-00715-5).

**Eriksson:2020:LSR**

- [3262] Frank Eriksson, Torben Martinussen, and Søren Feodor Nielsen. Large sample results for frequentist multiple imputation for Cox regression with missing covariate data. *Annals of the Institute of Statistical Mathematics*, 72(4):969–996, August 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00716-4>.

**Dobler:2020:NMM**

- [3263] Dennis Dobler, Sarah Friedrich, and Markus Pauly. Nonparametric MANOVA in meaningful effects. *Annals of the Institute of Statistical Mathematics*, 72(4):997–1022, August 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00717-3>.

**Comte:2020:RFE**

- [3264] F. Comte and V. Genon-Catalot. Regression function estimation as a partly inverse problem. *Annals of the Institute of Statistical Mathematics*, 72(4):1023–1054, August 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00718-2>.

**Bucher:2020:DDS**

- [3265] Axel Bücher, Holger Dette, and Florian Heinrichs. Detecting deviations from second-order stationarity in locally stationary functional time se-



ries. *Annals of the Institute of Statistical Mathematics*, 72(4):1055–1094, August 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <http://link.springer.com/article/10.1007/s10463-019-00721-7>.

**Dearborn:2020:IEM**

- [3266] Krisztina Dearborn and Rafael Frongillo. On the indirect elicibility of the mode and modal interval. *Annals of the Institute of Statistical Mathematics*, 72(5):1095–1108, October 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00719-1>.

**Henze:2020:TND**

- [3267] Norbert Henze and Jaco Visagie. Testing for normality in any dimension based on a partial differential equation involving the moment generating function. *Annals of the Institute of Statistical Mathematics*, 72(5):1109–1136, October 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00720-8>.

**Chernoyarov:2020:PSL**

- [3268] O. V. Chernoyarov, S. Dachian, and Yu. A. Kutoyants. Poisson source localization on the plane: cusp case. *Annals of the Institute of Statistical Mathematics*, 72(5):1137–1157, October 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00722-6>.

**Chen:2020:BCF**

- [3269] Kun Chen, Ngai Hang Chan, and Chun Yip Yau. Bartlett correction of frequency domain empirical likelihood for time series with unknown innovation variance. *Annals of the Institute of Statistical Mathematics*, 72(5):1159–1173, October 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00723-5>.

**Fonseca:2020:WED**

- [3270] Rodney V. Fonseca and Aluísio Pinheiro. Wavelet estimation of the dimensionality of curve time series. *Annals of the Institute of Statistical Mathematics*, 72(5):1175–1204, October 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00724-4>.

**Beltaief:2020:MSR**

- [3271] Slim Beltaief, Oleg Chernoyarov, and Serguei Pergamenchtkikov. Model selection for the robust efficient signal processing observed with small Lévy noise. *Annals of the Institute of Statistical Mathematics*, 72(5):1205–1235, October 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00726-2>.

**Harsha:2020:SII**

- [3272] K. V. Harsha and Alladi Subramanyam. Some information inequalities for statistical inference.



- Annals of the Institute of Statistical Mathematics*, 72(5):1237–1256, October 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00725-3>.
- Nakayama:2020:BCS**
- [3273] Yugo Nakayama, Kazuyoshi Yata, and Makoto Aoshima. Bias-corrected support vector machine with Gaussian kernel in high-dimension, low-sample-size settings. *Annals of the Institute of Statistical Mathematics*, 72(5):1257–1286, October 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00727-1>.
- Neumeyer:2020:SPT**
- [3274] Natalie Neumeyer, Leonie Selk, and Charles Tillier. Semi-parametric transformation boundary regression models. *Annals of the Institute of Statistical Mathematics*, 72(6):1287–1315, December 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00731-5>.
- Hadjicosta:2020:ITM**
- [3275] Elena Hadjicosta and Donald Richards. Integral transform methods in goodness-of-fit testing, II: the Wishart distributions. *Annals of the Institute of Statistical Mathematics*, 72(6):1317–1370, December 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00737-z>.
- Kim:2020:REG**
- [3276] Byungsoo Kim and Sangyeol Lee. Robust estimation for general integer-valued time series models. *Annals of the Institute of Statistical Mathematics*, 72(6):1371–1396, December 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00728-0>.
- Mandal:2020:OTA**
- [3277] Abhijit Mandal. An optimal test for the additive model with discrete or categorical predictors. *Annals of the Institute of Statistical Mathematics*, 72(6):1397–1417, December 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00729-z>.
- Doukhan:2020:CMD**
- [3278] Paul Doukhan, Ieva Grublyte, and Laurence Reboul. Comparing the marginal densities of two strictly stationary linear processes. *Annals of the Institute of Statistical Mathematics*, 72(6):1419–1447, December 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00730-6>.
- Cui:2020:FBP**
- [3279] Yan Cui, Qi Li, and Fukang Zhu. Flexible bivariate Poisson integer-valued GARCH model. *Annals of the Institute of Statistical Mathematics*, 72(6):1449–1477, December 2020. CODEN AISXAD. ISSN 0020-3157 (print),



- 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00732-4>.
- Benelmadani:2020:RKH**
- [3280] D. Benelmadani, K. Benhenni, and S. Louhichi. The reproducing kernel Hilbert space approach in nonparametric regression problems with correlated observations. *Annals of the Institute of Statistical Mathematics*, 72(6): 1479–1500, December 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00733-3>.
- Ohishi:2020:EBA**
- [3281] Mineaki Ohishi, Hirokazu Yanagihara, and Shuichi Kawano. Equivalence between adaptive Lasso and generalized ridge estimators in linear regression with orthogonal explanatory variables after optimizing regularization parameters. *Annals of the Institute of Statistical Mathematics*, 72(6): 1501–1516, December 2020. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00734-2>.
- Fujisawa:2021:RE**
- [3282] H. Fujisawa, Y. Ninomiya, and T. Sei. Report of the editors. *Annals of the Institute of Statistical Mathematics*, 73(1):1–2, February 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00778-9>.
- Honda:2021:BGL**
- [3283] Toshio Honda. The de-biased group Lasso estimation for varying coefficient models. *Annals of the Institute of Statistical Mathematics*, 73(1):3–29, February 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00740-4>.
- Betsch:2021:FPC**
- [3284] Steffen Betsch and Bruno Ebner. Fixed point characterizations of continuous univariate probability distributions and their applications. *Annals of the Institute of Statistical Mathematics*, 73(1):31–59, February 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00735-1>.
- Dette:2021:SES**
- [3285] Holger Dette, Viatcheslav B. Melas, and Petr Shpilev. Some explicit solutions of  $c$ -optimal design problems for polynomial regression with no intercept. *Annals of the Institute of Statistical Mathematics*, 73(1):61–82, February 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00736-0>.
- Jiang:2021:PER**
- [3286] Yingying Jiang, Fuming Lin, and Yong Zhou. The  $k$ -th power expectile regression. *Annals of the Institute of Statistical Mathematics*, 73(1):83–113, February 2021. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00738-y>.

**Cao:2021:PHM**

- [3287] Hongyuan Cao and Jason P. Fine. On the proportional hazards model with last observation carried forward covariates. *Annals of the Institute of Statistical Mathematics*, 73(1):115–134, February 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00739-x>.

**Nong:2021:CSM**

- [3288] Quynh Van Nong and Chi Tim Ng. Clustering of subsample means based on pairwise  $L_1$  regularized empirical likelihood. *Annals of the Institute of Statistical Mathematics*, 73(1):135–174, February 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-019-00745-z>. See correction [3289].

**Nong:2021:CCS**

- [3289] Quynh Van Nong and Chi Tim Ng. Correction to: Clustering of subsample means based on pairwise  $L_1$  regularized empirical likelihood. *Annals of the Institute of Statistical Mathematics*, 73(1):175, February 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00767-y>. See [3288].

**Nakakita:2021:QLA**

- [3290] Shogo H. Nakakita, Yusuke Kaino, and Masayuki Uchida. Quasi-likelihood analysis and Bayes-type estimators of an ergodic diffusion plus noise. *Annals of the Institute of Statistical Mathematics*, 73(1):177–225, February 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00746-3>.

**Vexler:2021:VVE**

- [3291] Albert Vexler. Valid  $p$ -values and expectations of  $p$ -values revisited. *Annals of the Institute of Statistical Mathematics*, 73(2):227–248, April 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00747-2>.

**Gotz:2021:EIS**

- [3292] Benedict Götz, Sebastian Kersting, and Michael Kohler. Estimation of an improved surrogate model in uncertainty quantification by neural networks. *Annals of the Institute of Statistical Mathematics*, 73(2):249–281, April 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00748-1>.

**Gibberd:2021:CMC**

- [3293] A. Gibberd and S. Roy. Consistent multiple changepoint estimation with fused Gaussian graphical models. *Annals of the Institute of Statistical Mathematics*, 73(2):283–309, April 2021. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00749-0>.

**Chen:2021:PSS**

- [3294] Shiyun Chen and Ery Arias-Castro. On the power of some sequential multiple testing procedures. *Annals of the Institute of Statistical Mathematics*, 73(2):311–336, April 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00752-5>.

**Kampf:2021:NEK**

- [3295] Jürgen Kampf, Georgiy Shevchenko, and Evgeny Spodarev. Nonparametric estimation of the kernel function of symmetric stable moving average random functions. *Annals of the Institute of Statistical Mathematics*, 73(2):337–367, April 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00751-6>.

**Albrecher:2021:MMM**

- [3296] Hansjörg Albrecher, Martin Bladt, and Mogens Bladt. Multivariate matrix Mittag-Leffler distributions. *Annals of the Institute of Statistical Mathematics*, 73(2):369–394, April 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00750-7>.

**Taleb:2021:MAP**

- [3297] Youssef Taleb and Edward A. K. Cohen. Multiresolution analysis of

point processes and statistical thresholding for Haar wavelet-based intensity estimation. *Annals of the Institute of Statistical Mathematics*, 73(2):395–423, April 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00753-4>.

**Wong:2021:PPC**

- [3298] Ka Yiu Wong and Dietrich Stoyan. Poles of pair correlation functions: When they are real? *Annals of the Institute of Statistical Mathematics*, 73(2):425–440, April 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00754-3>.

**Wang:2021:CCQ**

- [3299] Kangning Wang and Wen Shan. Copula and composite quantile regression-based estimating equations for longitudinal data. *Annals of the Institute of Statistical Mathematics*, 73(3):441–455, June 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00756-1>.

**Lai:2021:MIS**

- [3300] Peng Lai, Fangjian Wang, and Qingzhao Zhang. Model identification and selection for single-index varying-coefficient models. *Annals of the Institute of Statistical Mathematics*, 73(3):457–480, June 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00757-0>.



**Chen:2021:SML**

- [3301] Li-Pang Chen and Grace Y. Yi. Semi-parametric methods for left-truncated and right-censored survival data with covariate measurement error. *Annals of the Institute of Statistical Mathematics*, 73(3):481–517, June 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00755-2>.

**Chen:2021:ISP**

- [3302] Ji Chen, Jun Shao, and Fang Fang. Instrument search in pseudo-likelihood approach for nonignorable nonresponse. *Annals of the Institute of Statistical Mathematics*, 73(3):519–533, June 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00758-z>.

**Wei:2021:MAL**

- [3303] Yuting Wei, Qihua Wang, and Wei Liu. Model averaging for linear models with responses missing at random. *Annals of the Institute of Statistical Mathematics*, 73(3):535–553, June 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00759-y>.

**Inatsugu:2021:GJF**

- [3304] Haruhiko Inatsugu and Nakahiro Yoshida. Global jump filters and quasi-likelihood analysis for volatility. *Annals of the Institute of Statistical Mathematics*, 73(3):555–598, June 2021. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00768-x>.

**Ishii:2021:HTH**

- [3305] Aki Ishii, Kazuyoshi Yata, and Makoto Aoshima. Hypothesis tests for high-dimensional covariance structures. *Annals of the Institute of Statistical Mathematics*, 73(3):599–622, June 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00760-5>.

**Wang:2021:IEL**

- [3306] Lei Wang and Wei Ma. Improved empirical likelihood inference and variable selection for generalized linear models with longitudinal nonignorable dropouts. *Annals of the Institute of Statistical Mathematics*, 73(3):623–647, June 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00761-4>.

**Clinet:2021:EHF**

- [3307] Simon Clinet and Yoann Potiron. Estimation for high-frequency data under parametric market microstructure noise. *Annals of the Institute of Statistical Mathematics*, 73(4):649–669, August 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00762-3>.

**Kutoyants:2021:LSH**

- [3308] Yury A. Kutoyants. On localization of source by hidden Gaussian processes



with small noise. *Annals of the Institute of Statistical Mathematics*, 73 (4):671–702, August 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00763-2>.

**Ren:2021:RHD**

- [3309] Mingyang Ren, Sanguo Zhang, and Qingzhao Zhang. Robust high-dimensional regression for data with anomalous responses. *Annals of the Institute of Statistical Mathematics*, 73 (4):703–736, August 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00764-1>.

**Zheng:2021:DNC**

- [3310] Jiasen Zheng and Lixing Zhu. Determining the number of canonical correlation pairs for high-dimensional vectors. *Annals of the Institute of Statistical Mathematics*, 73(4): 737–756, August 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00776-x>.

**Misra:2021:GGM**

- [3311] Pratik Misra and Seth Sullivant. Gaussian graphical models with toric vanishing ideals. *Annals of the Institute of Statistical Mathematics*, 73 (4):757–785, August 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00765-0>.

**Qin:2021:HDS**

- [3312] Shanshan Qin, Hao Ding, and Feng Liu. High-dimensional sign-constrained feature selection and grouping. *Annals of the Institute of Statistical Mathematics*, 73 (4):787–819, August 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00766-z>.

**Kim:2021:RTS**

- [3313] Byungsoo Kim, Junmo Song, and Changryong Baek. Robust test for structural instability in dynamic factor models. *Annals of the Institute of Statistical Mathematics*, 73 (4):821–853, August 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00773-0>.

**Dette:2021:ISB**

- [3314] Holger Dette, Subhra Sankar Dhar, and Weichi Wu. Identifying shifts between two regression curves. *Annals of the Institute of Statistical Mathematics*, 73 (5):855–889, October 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00771-2>.

**Chandra:2021:ATD**

- [3315] Noirrit Kiran Chandra and Sourabh Bhattacharya. Asymptotic theory of dependent Bayesian multiple testing procedures under possible model misspecification. *Annals of the Institute of Statistical Mathematics*, 73 (5):891–920, October 2021. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00770-3>.

**DeGregorio:2021:RBT**

- [3316] Alessandro De Gregorio and Francesco Iafrate. Regularized bridge-type estimation with multiple penalties. *Annals of the Institute of Statistical Mathematics*, 73(5):921–951, October 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00769-w>.

**Geenens:2021:MMK**

- [3317] Gery Geenens. Mellin–Meijer kernel density estimation on  $\mathbf{R}^+$ . *Annals of the Institute of Statistical Mathematics*, 73(5):953–977, October 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00772-1>.

**Piancastelli:2021:GIG**

- [3318] Luiza S. C. Piancastelli, Wagner Barreto-Souza, and Vinícius D. Mayrink. Generalized inverse-Gaussian frailty models with application to TARGET neuroblastoma data. *Annals of the Institute of Statistical Mathematics*, 73(5):979–1010, October 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00774-z>.

**Camerlenghi:2021:ABM**

- [3319] Federico Camerlenghi, Claudio Macci, and Elena Villa. Asymptotic behav-

ior of mean density estimators based on a single observation: the Boolean model case. *Annals of the Institute of Statistical Mathematics*, 73(5):1011–1035, October 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00775-y>.

**Wylupek:2021:PTT**

- [3320] Grzegorz Wylupek. A permutation test for the two-sample right-censored model. *Annals of the Institute of Statistical Mathematics*, 73(5):1037–1061, October 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00777-w>.

**Khmaladze:2021:DFT**

- [3321] Estate V. Khmaladze. Distribution-free testing in linear and parametric regression. *Annals of the Institute of Statistical Mathematics*, 73(6):1063–1087, December 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00786-3>.

**Vetter:2021:UAE**

- [3322] Mathias Vetter. A universal approach to estimate the conditional variance in semimartingale limit theorems. *Annals of the Institute of Statistical Mathematics*, 73(6):1089–1125, December 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00781-0>.



**Yuan:2021:FEM**

- [3323] Baichuan Yuan, Frederic P. Schoenberg, and Andrea L. Bertozzi. Fast estimation of multivariate spatiotemporal Hawkes processes and network reconstruction. *Annals of the Institute of Statistical Mathematics*, 73(6):1127–1152, December 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00780-1>.

**Nagatsuka:2021:ELB**

- [3324] Hideki Nagatsuka and N. Balakrishnan. Efficient likelihood-based inference for the generalized Pareto distribution. *Annals of the Institute of Statistical Mathematics*, 73(6):1153–1185, December 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00782-z>.

**Druilhet:2021:IVF**

- [3325] Pierre Druilhet and Erwan Saint Loubert Bié. Improper versus finitely additive distributions as limits of countably additive probabilities. *Annals of the Institute of Statistical Mathematics*, 73(6):1187–1202, December 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00779-8>.

**Gomez:2021:NRW**

- [3326] Luz M. Gómez, Rogério F. Porto, and Pedro A. Morettin. Non-parametric regression with warped

wavelets and strong mixing processes. *Annals of the Institute of Statistical Mathematics*, 73(6):1203–1228, December 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00789-0>.

**Hanebeck:2021:SDF**

- [3327] Ariane Hanebeck and Bernhard Klar. Smooth distribution function estimation for lifetime distributions using Szasz–Mirakyan operators. *Annals of the Institute of Statistical Mathematics*, 73(6):1229–1247, December 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-020-00783-y>.

**Cai:2021:SCB**

- [3328] Li Cai, Lijie Gu, and Suojin Wang. Simultaneous confidence bands for non-parametric regression with missing covariate data. *Annals of the Institute of Statistical Mathematics*, 73(6):1249–1279, December 2021. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00784-5>.

**Poignard:2022:FSP**

- [3329] Benjamin Poignard and Jean-David Fermanian. The finite sample properties of sparse  $M$ -estimators with pseudo-observations. *Annals of the Institute of Statistical Mathematics*, 74(1):1–31, February 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00784-5>.



[//link.springer.com/article/10.1007/s10463-021-00785-4](https://link.springer.com/article/10.1007/s10463-021-00785-4).

**Amari:2022:WSO**

- [3330] Shun ichi Amari and Takeru Matsuda. Wasserstein statistics in one-dimensional location scale models. *Annals of the Institute of Statistical Mathematics*, 74(1):33–47, February 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00788-1>.

**Yang:2022:TSL**

- [3331] Kai Yang and Peihua Qiu. A three-step local smoothing approach for estimating the mean and covariance functions of spatio-temporal data. *Annals of the Institute of Statistical Mathematics*, 74(1):49–68, February 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00787-2>.

**Sun:2022:BAR**

- [3332] Zhihua Sun, Yi Liu, and Gang Li. Broken adaptive ridge regression for right-censored survival data. *Annals of the Institute of Statistical Mathematics*, 74(1):69–91, February 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00794-3>.

**Li:2022:ELM**

- [3333] Mengke Li, Yukun Liu, and Jing Qin. Empirical likelihood meta-analysis with publication bias correction under copas-like selection model. *Annals of the Institute of Statistical Mathematics*,

74(1):93–112, February 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00793-4>.

**Pchelintsev:2022:EEM**

- [3334] Evgeny Pchelintsev, Serguei Pergamenschchikov, and Maria Povzun. Efficient estimation methods for non-Gaussian regression models in continuous time. *Annals of the Institute of Statistical Mathematics*, 74(1):113–142, February 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00790-7>.

**DeBlasi:2022:ABN**

- [3335] Pierpaolo De Blasi, Ramsés H. Mena, and Igor Prünster. Asymptotic behavior of the number of distinct values in a sample from the geometric stick-breaking process. *Annals of the Institute of Statistical Mathematics*, 74(1):143–165, February 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00791-6>.

**Werner:2022:ALE**

- [3336] Tino Werner. Asymptotic linear expansion of regularized  $M$ -estimators. *Annals of the Institute of Statistical Mathematics*, 74(1):167–194, February 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00792-5>.



**Dette:2022:DRD**

- [3337] Holger Dette and Kevin Kokot. Detecting relevant differences in the covariance operators of functional time series: a sup-norm approach. *Annals of the Institute of Statistical Mathematics*, 74(2):195–231, April 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00795-2>.

**Fasen-Hartmann:2022:WEC**

- [3338] Vicky Fasen-Hartmann and Celeste Mayer. Whittle estimation for continuous-time stationary state space models with finite second moments. *Annals of the Institute of Statistical Mathematics*, 74(2):233–270, April 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00802-6>.

**Jiang:2022:SMA**

- [3339] Bochuan Jiang, Yaping Wang, and Mingyao Ai. Search for minimum aberration designs with uniformity. *Annals of the Institute of Statistical Mathematics*, 74(2):271–287, April 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00796-1>.

**Hoang:2022:URP**

- [3340] Anh-Tuan Hoang and Thorsten Dickhaus. On the usage of randomized p-values in the Schweder–Spjøtvoll estimator. *Annals of the Institute of Statistical Mathematics*, 74

(2):289–319, April 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00797-0>.

**Feng:2022:VSF**

- [3341] Sanying Feng, Menghan Zhang, and Tiejun Tong. Variable selection for functional linear models with strong heredity constraint. *Annals of the Institute of Statistical Mathematics*, 74(2):321–339, April 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00798-z>.

**Adam:2022:LPE**

- [3342] C. Adam and I. Gijbels. Local polynomial expectile regression. *Annals of the Institute of Statistical Mathematics*, 74(2):341–378, April 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00799-y>.

**Zhang:2022:SVB**

- [3343] Jing Zhang, Qihua Wang, and Xuan Wang. Surrogate-variable-based model-free feature screening for survival data under the general censoring mechanism. *Annals of the Institute of Statistical Mathematics*, 74(2):379–397, April 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00801-7>.

**Nakashima:2022:WWE**

- [3344] Hideto Nakashima and Piotr Graczyk. Wigner and Wishart ensembles for



sparse Vinberg models. *Annals of the Institute of Statistical Mathematics*, 74(3):399–433, June 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00800-8>.

**Luan:2022:RDE**

- [3345] Jiaming Luan, Hongwei Wang, and Benle Zhang. Robust distributed estimation and variable selection for massive datasets via rank regression. *Annals of the Institute of Statistical Mathematics*, 74(3):435–450, June 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00803-5>.

**Yuan:2022:SIG**

- [3346] Meng Yuan, Chunlin Wang, and Pengfei Li. Semiparametric inference on general functionals of two semicontinuous populations. *Annals of the Institute of Statistical Mathematics*, 74(3):451–472, June 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00804-4>.

**Hu:2022:CND**

- [3347] Chin-Yuan Hu and Gwo Dong Lin. Characterizations of the normal distribution via the independence of the sample mean and the feasible definite statistics with ordered arguments. *Annals of the Institute of Statistical Mathematics*, 74(3):473–488, June 2022. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00805-3>.

**Jordan:2022:COS**

- [3348] Alexander I. Jordan, Anja Mühlemann, and Johanna F. Ziegel. Characterizing the optimal solutions to the isotonic regression problem for identifiable functionals. *Annals of the Institute of Statistical Mathematics*, 74(3):489–514, June 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00808-0>.

**Fujimori:2022:VSD**

- [3349] Kou Fujimori. The variable selection by the Dantzig selector for Cox’s proportional hazards model. *Annals of the Institute of Statistical Mathematics*, 74(3):515–537, June 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00807-1>.

**Liang:2022:RMS**

- [3350] Zhongqi Liang, Qihua Wang, and Yuting Wei. Robust model selection with covariables missing at random. *Annals of the Institute of Statistical Mathematics*, 74(3):539–557, June 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00806-2>.

**Luo:2022:HDE**

- [3351] Bin Luo and Xiaoli Gao. A high-dimensional  $M$ -estimator framework for bi-level variable selection. *Annals*



of the *Institute of Statistical Mathematics*, 74(3):559–579, June 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00809-z>.

**Bhattacharya:2022:BFA**

- [3352] Minerva Mukhopadhyay and Sourabh Bhattacharya. Bayes factor asymptotics for variable selection in the Gaussian process framework. *Annals of the Institute of Statistical Mathematics*, 74(3):581–613, June 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00810-6>.

**Copas:2022:AML**

- [3353] John Copas. Akaike Memorial Lecture 2020: Some of the challenges of statistical applications. *Annals of the Institute of Statistical Mathematics*, 74(4):615–637, August 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00831-9>. See discussion [3354, 3355] and rejoinder [3356].

**Henmi:2022:DAM**

- [3354] Masayuki Henmi. Discussion of Akaike Memorial Lecture 2020: Some of the challenges of statistical applications. *Annals of the Institute of Statistical Mathematics*, 74(4):639–641, August 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00833-7>. See [3353, 3355].

**Taguri:2022:DAM**

- [3355] Masataka Taguri. Discussion of “Akaike Memorial Lecture 2020: Some of the challenges of statistical applications”. *Annals of the Institute of Statistical Mathematics*, 74(4):643–647, August 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00829-3>. See [3353, 3355].

**Copas:2022:ARD**

- [3356] John Copas. Author’s rejoinder to the discussion of the Akaike Memorial Lecture 2020. *Annals of the Institute of Statistical Mathematics*, 74(4):649–652, August 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00830-w>. See [3353] and discussion [3354, 3355].

**Cho:2022:TSD**

- [3357] Haeran Cho and Claudia Kirch. Two-stage data segmentation permitting multiscale change points, heavy tails and dependence. *Annals of the Institute of Statistical Mathematics*, 74(4):653–684, August 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00811-5>.

**Konev:2022:FAE**

- [3358] Victor V. Konev and Sergey E. Vorobeychikov. Fixed accuracy estimation of parameters in a threshold autoregressive model. *Annals of the Institute of Statistical Mathematics*, 74



(4):685–711, August 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00812-4>.

**Gribkova:2022:ETC**

- [3359] N. V. Gribkova, J. Su, and R. Zitikis. Empirical tail conditional allocation and its consistency under minimal assumptions. *Annals of the Institute of Statistical Mathematics*, 74(4):713–735, August 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00813-3>.

**Bouzebda:2022:AFD**

- [3360] Salim Bouzebda, Mohamed Chaouch, and Sultana Didi Biha. Asymptotics for function derivatives estimators based on stationary and ergodic discrete time processes. *Annals of the Institute of Statistical Mathematics*, 74(4):737–771, August 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00814-2>.

**Proksch:2022:SIB**

- [3361] Katharina Proksch, Nicolai Bissantz, and Hajo Holzmann. Simultaneous inference for Berkson errors-in-variables regression under fixed design. *Annals of the Institute of Statistical Mathematics*, 74(4):773–800, August 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00817-z>.

**Kengne:2022:INT**

- [3362] William Kengne and Isidore S. Ngongo. Inference for nonstationary time series of counts with application to change-point problems. *Annals of the Institute of Statistical Mathematics*, 74(4):801–835, August 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00815-1>.

**Bakoyannis:2022:NTM**

- [3363] Giorgos Bakoyannis and Dipankar Bandyopadhyay. Nonparametric tests for multistate processes with clustered data. *Annals of the Institute of Statistical Mathematics*, 74(5):837–867, October 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00819-x>.

**Di:2022:MRS**

- [3364] Fengrui Di and Lei Wang. Multi-round smoothed composite quantile regression for distributed data. *Annals of the Institute of Statistical Mathematics*, 74(5):869–893, October 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00816-0>.

**Akaoka:2022:BEM**

- [3365] Yuichi Akaoka, Kazuki Okamura, and Yoshiki Otobe. Bahadur efficiency of the maximum likelihood estimator and one-step estimator for quasi-arithmetic means of the Cauchy distribution. *Annals of the Institute of Statistical Mathematics*, 74



- (5):895–923, October 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-021-00818-y>.
- Barbu:2022:AEE**
- [3366] Vlad Stefan Barbu, Slim Beltaief, and Serguei Pergamenchikov. Adaptive efficient estimation for generalized semi-Markov big data models. *Annals of the Institute of Statistical Mathematics*, 74(5):925–955, October 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00820-y>.
- Wang:2022:DHR**
- [3367] Tiandong Wang and Panpan Zhang. Directed hybrid random networks mixing preferential attachment with uniform attachment mechanisms. *Annals of the Institute of Statistical Mathematics*, 74(5):957–986, October 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00827-5>.
- Li:2022:ORB**
- [3368] Lu Li, Niwen Zhou, and Lixing Zhu. Outcome regression-based estimation of conditional average treatment effect. *Annals of the Institute of Statistical Mathematics*, 74(5):987–1041, October 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00821-x>.
- Xiao:2022:BNA**
- [3369] Bofei Xiao, Bo Lei, and Bin Guo. A blockwise network autoregressive model with application for fraud detection. *Annals of the Institute of Statistical Mathematics*, 74(6):1043–1065, December 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00822-w>.
- ElBarmi:2022:CCR**
- [3370] Hammou El Barmi. On comparing competing risks using the ratio of their cumulative incidence functions. *Annals of the Institute of Statistical Mathematics*, 74(6):1067–1083, December 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00823-9>.
- Kohler:2022:RCI**
- [3371] Michael Kohler, Adam Krzyzak, and Benjamin Walter. On the rate of convergence of image classifiers based on convolutional neural networks. *Annals of the Institute of Statistical Mathematics*, 74(6):1085–1108, December 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00828-4>.
- Yu:2022:SFS**
- [3372] Ke Yu and Shan Luo. A sequential feature selection procedure for high-dimensional Cox proportional hazards model. *Annals of the Institute of Statistical Mathematics*, 74(6):



1109–1142, December 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00824-8>.

**Chang:2022:IRE**

- [3373] Chih-Hao Chang, Hsin-Cheng Huang, and Ching-Kang Ing. Inference of random effects for linear mixed-effects models with a fixed number of clusters. *Annals of the Institute of Statistical Mathematics*, 74(6):1143–1161, December 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00825-7>.

**Dette:2022:AEN**

- [3374] Holger Dette and Martin Kroll. Asymptotic equivalence for non-parametric regression with dependent errors: Gauss–Markov processes. *Annals of the Institute of Statistical Mathematics*, 74(6):1163–1196, December 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00826-6>.

**Tsukurimichi:2022:CSI**

- [3375] Toshiaki Tsukurimichi, Yu Inatsu, and Ichiro Takeuchi. Conditional selective inference for robust regression and outlier detection using piecewise-linear homotopy continuation. *Annals of the Institute of Statistical Mathematics*, 74(6):1197–1228, December 2022. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00846-2>.

[//link.springer.com/article/10.1007/s10463-022-00846-2](https://link.springer.com/article/10.1007/s10463-022-00846-2).

**Ni:2023:EMO**

- [3376] Lyu Ni and Jun Shao. Estimation with multivariate outcomes having nonignorable item nonresponse. *Annals of the Institute of Statistical Mathematics*, 75(1):1–15, February 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00836-4>.

**Guo:2023:JBP**

- [3377] Jinhui Guo and Yingyin Lu. Joint behavior of point processes of clusters and partial sums for stationary bivariate Gaussian triangular arrays. *Annals of the Institute of Statistical Mathematics*, 75(1):17–37, February 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00832-8>.

**Wu:2023:SMT**

- [3378] Jingjing Wu, Tasnima Abedin, and Qiang Zhao. Semiparametric modelling of two-component mixtures with stochastic dominance. *Annals of the Institute of Statistical Mathematics*, 75(1):39–70, February 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00835-5>.

**Chatla:2023:NIA**

- [3379] Suneel Babu Chatla. Nonparametric inference for additive models estimated via simplified smooth backfitting. *Annals of the Institute of Statistical Mathematics*, 75



(1):71–97, February 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00840-8>.

**Terada:2023:SIA**

- [3380] Yoshikazu Terada and Hidetoshi Shimodaira. Selective inference after feature selection via multiscale bootstrap. *Annals of the Institute of Statistical Mathematics*, 75(1):99–125, February 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00838-2>.

**Duy:2023:ESI**

- [3381] Vo Nguyen Le Duy and Ichiro Takeuchi. Exact statistical inference for the Wasserstein distance by selective inference. *Annals of the Institute of Statistical Mathematics*, 75(1):127–157, February 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00837-3>.

**Baillien:2023:FAM**

- [3382] Jonas Baillien, Irène Gijbels, and Anneleen Verhasselt. Flexible asymmetric multivariate distributions based on two-piece univariate distributions. *Annals of the Institute of Statistical Mathematics*, 75(1):159–200, February 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00842-6>.

**Goegebeur:2023:REC**

- [3383] Yuri Goegebeur, Armelle Guillou, and Jing Qin. Robust estimation of the conditional stable tail dependence function. *Annals of the Institute of Statistical Mathematics*, 75(2):201–231, April 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00839-1>.

**Tsao:2023:GLS**

- [3384] Min Tsao. Group least squares regression for linear models with strongly correlated predictor variables. *Annals of the Institute of Statistical Mathematics*, 75(2):233–250, April 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00841-7>.

**Tsao:2023:CGL**

- [3385] Min Tsao. Correction to: Group least squares regression for linear models with strongly correlated predictor variables. *Annals of the Institute of Statistical Mathematics*, 75(2):251, April 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00861-3>.

**Shahzadi:2023:IHS**

- [3386] Amina Shahzadi, Ting Wang, Mark Bebbington, and Matthew Parry. Inhomogeneous hidden semi-Markov models for incompletely observed point processes. *Annals of the Institute of Statistical Mathematics*, 75(2):253–280, April 2023. CODEN



AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00843-5>.

**Hanada:2023:IUE**

- [3387] Keisuke Hanada and Tomoyuki Sugimoto. Inference using an exact distribution of test statistic for random-effects meta-analysis. *Annals of the Institute of Statistical Mathematics*, 75(2):281–302, April 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00844-4>.

**Bieniek:2023:COS**

- [3388] Mariusz Bieniek and Luiza Pańczyk. On the choice of the optimal single order statistic in quantile estimation. *Annals of the Institute of Statistical Mathematics*, 75(2):303–333, April 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00845-3>.

**Werner:2023:QRI**

- [3389] Tino Werner. Quantitative robustness of instance ranking problems. *Annals of the Institute of Statistical Mathematics*, 75(2):335–368, April 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00847-1>.

**Wang:2023:ATN**

- [3390] Qiuping Wang, Yuan Zhang, and Ting Yan. Asymptotic theory in network models with covariates and a growing

number of node parameters. *Annals of the Institute of Statistical Mathematics*, 75(2):369–392, April 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00848-0>.

**Honda:2023:FVS**

- [3391] Toshio Honda and Chien-Tong Lin. Forward variable selection for ultra-high dimensional quantile regression models. *Annals of the Institute of Statistical Mathematics*, 75(3):393–424, June 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00849-z>.

**Sutradhar:2023:RAE**

- [3392] Brajendra C. Sutradhar. Regression analysis for exponential family data in a finite population setup using two-stage cluster sample. *Annals of the Institute of Statistical Mathematics*, 75(3):425–462, June 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00850-6>.

**Mao:2023:MCU**

- [3393] Xiaojun Mao, Zhonglei Wang, and Shu Yang. Matrix completion under complex survey sampling. *Annals of the Institute of Statistical Mathematics*, 75(3):463–492, June 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00851-5>.



**Li:2023:REN**

- [3394] Shaomin Li, Kangning Wang, and Yong Xu. Robust estimation for non-randomly distributed data. *Annals of the Institute of Statistical Mathematics*, 75(3):493–509, June 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00852-4>.

**Goto:2023:TEG**

- [3395] Yuichi Goto, Kotone Suzuki, Xiaofei Xu, and Masanobu Taniguchi. Tests for the existence of group effects and interactions for two-way models with dependent errors. *Annals of the Institute of Statistical Mathematics*, 75(3):511–532, June 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00853-3>.

**Uehara:2023:BMM**

- [3396] Yuma Uehara. Bootstrap method for misspecified ergodic Lévy driven stochastic differential equation models. *Annals of the Institute of Statistical Mathematics*, 75(4):533–565, August 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00854-2>.

**Kamila:2023:DDM**

- [3397] Kare Kamila. Data-driven model selection for same-realization predictions in autoregressive processes. *Annals of the Institute of Statistical Mathematics*, 75(4):567–592, August 2023. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00855-1>.

**Arendarczyk:2023:SDG**

- [3398] M. Arendarczyk, T. J. Kozubowski, and A. K. Panorska. Slash distributions, generalized convolutions, and extremes. *Annals of the Institute of Statistical Mathematics*, 75(4):593–617, August 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00858-y>.

**Wu:2023:UPM**

- [3399] Zeyu Wu, Cheng Wang, and Weidong Liu. A unified precision matrix estimation framework via sparse column-wise inverse operator under weak sparsity. *Annals of the Institute of Statistical Mathematics*, 75(4):619–648, August 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00856-0>.

**Zhan:2023:MAS**

- [3400] Zishu Zhan, Yang Li, Yuhong Yang, and Cunjie Lin. Model averaging for semiparametric varying coefficient quantile regression models. *Annals of the Institute of Statistical Mathematics*, 75(4):649–681, August 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00857-z>.

**Pesce:2023:GAR**

- [3401] Elena Pesce, Fabio Rapallo, Eva Riccomagno, and Henry P. Wynn.



Generation of all randomizations using circuits. *Annals of the Institute of Statistical Mathematics*, 75(4):683–704, August 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00860-4>.

**Zhang:2023:CST**

- [3402] Shibin Zhang. A copula spectral test for pairwise time reversibility. *Annals of the Institute of Statistical Mathematics*, 75(5):705–729, October 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00859-x>.

**Dussap:2023:NMR**

- [3403] Florian Dussap. Nonparametric multiple regression by projection on non-compactly supported bases. *Annals of the Institute of Statistical Mathematics*, 75(5):731–771, October 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00863-1>.

**Mandal:2023:RDP**

- [3404] Abhijit Mandal, Beste Hamiyeh Beyaztas, and Soutir Bandyopadhyay. Robust density power divergence estimates for panel data models. *Annals of the Institute of Statistical Mathematics*, 75(5):773–798, October 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00862-2>.

**Ma:2023:LAD**

- [3405] Nannan Ma, Hailin Sang, and Guangyu Yang. Least absolute deviation estimation for AR(1) processes with roots close to unity. *Annals of the Institute of Statistical Mathematics*, 75(5):799–832, October 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-022-00864-0>.

**Li:2023:MSB**

- [3406] Shaoting Li and Jiahua Chen. Mixture of shifted binomial distributions for rating data. *Annals of the Institute of Statistical Mathematics*, 75(5):833–853, October 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00865-7>.

**Tsuruta:2023:ADB**

- [3407] Yasuhito Tsuruta and Masahiko Sagae. Automatic data-based bin width selection for rose diagram. *Annals of the Institute of Statistical Mathematics*, 75(5):855–886, October 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00868-4>.

**Kresin:2023:PES**

- [3408] Conor Kresin and Frederic Schoenberg. Parametric estimation of spatial-temporal point processes using the Stoyan–Grabarnik statistic. *Annals of the Institute of Statistical Mathematics*, 75(6):887–909, December 2023. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00866-6>.

**Wang:2023:SIU**

- [3409] Hengfang Wang and Jae Kwang Kim. Statistical inference using regularized m-estimation in the reproducing kernel Hilbert space for handling missing data. *Annals of the Institute of Statistical Mathematics*, 75(6):911–929, December 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00872-8>.

**Fang:2023:GEI**

- [3410] Kuangnan Fang, Jingmao Li, Yaqing Xu, Shuangge Ma, and Qingzhao Zhang. Gene-environment interaction analysis under the Cox model. *Annals of the Institute of Statistical Mathematics*, 75(6):931–948, December 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00871-9>.

**Wang:2023:RVS**

- [3411] Xiuli Wang, Jingchang Shao, Jingjing Wu, and Qiang Zhao. Robust variable selection with exponential squared loss for partially linear spatial autoregressive models. *Annals of the Institute of Statistical Mathematics*, 75(6):949–977, December 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00870-w>.

**Watanabe:2023:GFT**

- [3412] Chihiro Watanabe and Taiji Suzuki. A goodness-of-fit test on the number of biclusters in a relational data matrix. *Annals of the Institute of Statistical Mathematics*, 75(6):979–1009, December 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00869-3>.

**Ebner:2023:GFT**

- [3413] Bruno Ebner, Adrian Fischer, Norbert Henze, and Celeste Mayer. Goodness-of-fit tests for the Weibull distribution based on the Laplace transform and Stein’s method. *Annals of the Institute of Statistical Mathematics*, 75(6):1011–1038, December 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00873-7>.

**Ma:2023:ECC**

- [3414] Yuqing Ma, Peijie Wang, and Jianguo Sun. Estimation of complier causal treatment effects with informatively interval-censored failure time data. *Annals of the Institute of Statistical Mathematics*, 75(6):1039–1062, December 2023. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00874-6>.

**Hyvarinen:2024:ILV**

- [3415] Aapo Hyvärinen, Ilyes Khemakhem, and Ricardo Monti. Identifiability of latent-variable and structural-equation models: from linear to



nonlinear. *Annals of the Institute of Statistical Mathematics*, 76 (1):1–33, February 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00884-4>. See discussion [3416, 3417, ?] and rejoinder [3418].

**Morioka:2024:DIL**

- [3416] Hiroshi Morioka. Discussion of “Identifiability of latent-variable and structural-equation models: from linear to nonlinear”. *Annals of the Institute of Statistical Mathematics*, 76 (1):35–37, February 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00886-2>. See [3415, 3418].

**Matsuda:2024:DIL**

- [3417] Takeru Matsuda. Discussion of “Identifiability of latent-variable and structural-equation models: from linear to nonlinear”. *Annals of the Institute of Statistical Mathematics*, 76 (1):39–42, February 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00885-3>. See [3415, 3418].

**Hyvarinen:2024:RIL**

- [3418] Aapo Hyvärinen. Rejoinder of “Identifiability of latent-variable and structural-equation models: from linear to nonlinear”. *Annals of the Institute of Statistical Mathematics*, 76 (1):43–46, February 2024. CODEN

AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00887-1>.

**Brehmer:2024:CEP**

- [3419] Jonas R. Brehmer, Tilmann Gneiting, Marcus Herrmann, Warner Marzocchi, Martin Schlather, and Kirstin Storkorb. Comparative evaluation of point process forecasts. *Annals of the Institute of Statistical Mathematics*, 76 (1):47–71, February 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00875-5>.

**Zhao:2024:MAE**

- [3420] Zhihao Zhao, Xinyu Zhang, Guohua Zou, Alan T. K. Wan, and Geoffrey K. F. Tso. Model averaging for estimating treatment effects. *Annals of the Institute of Statistical Mathematics*, 76(1):73–92, February 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00876-4>.

**Xu:2024:TFE**

- [3421] Kai Xu and Nan An. A tuning-free efficient test for marginal linear effects in high-dimensional quantile regression. *Annals of the Institute of Statistical Mathematics*, 76 (1):93–110, February 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00877-3>.



**Eguchi:2024:GQI**

- [3422] Shoichi Eguchi and Hiroki Masuda. Gaussian quasi-information criteria for ergodic Lévy driven SDE. *Annals of the Institute of Statistical Mathematics*, 76(1):111–157, February 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00878-2>.

**Bastian:2024:CRC**

- [3423] Patrick Bastian, Holger Dette, Lukas Koletzko, and Kathrin Möllenhoff. Comparing regression curves: an  $L^1$ -point of view. *Annals of the Institute of Statistical Mathematics*, 76(1):159–183, February 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00880-8>.

**Dumbgen:2024:ASE**

- [3424] Lutz Dümbgen and Klaus Nordhausen. Approximating symmetrized estimators of scatter via balanced incomplete  $U$ -statistics. *Annals of the Institute of Statistical Mathematics*, 76(2):185–207, April 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00879-1>.

**Halconruy:2024:PLS**

- [3425] Hélène Halconruy and Nicolas Marie. On a projection least squares estimator for jump diffusion processes. *Annals of the Institute of Statistical Mathematics*, 76(2):209–234, April 2024. CODEN AISXAD. ISSN 0020-3157 (print),

1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00881-7>.

**Zheng:2024:ENR**

- [3426] Qi Zheng, Yunwei Cui, and Rongning Wu. On estimation of nonparametric regression models with autoregressive and moving average errors. *Annals of the Institute of Statistical Mathematics*, 76(2):235–262, April 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00882-6>.

**Carbon:2024:MFP**

- [3427] Michel Carbon and Thierry Duchesne. Multivariate frequency polygon for stationary random fields. *Annals of the Institute of Statistical Mathematics*, 76(2):263–287, April 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00883-5>.

**Paindaveine:2024:UHT**

- [3428] Davy Paindaveine. On UMPS hypothesis testing. *Annals of the Institute of Statistical Mathematics*, 76(2):289–312, April 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00888-0>.

**vanLieshout:2024:NPA**

- [3429] M. N. M. van Lieshout. Non-parametric adaptive bandwidth selection for kernel estimators of spatial intensity functions. *Annals of the Institute of Statistical Mathematics*, 76



(2):313–331, April 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00890-6>.

**Lee:2024:TCQ**

- [3430] Sangyeol Lee and Chang Kyeom Kim. Test for conditional quantile change in general conditional heteroscedastic time series models. *Annals of the Institute of Statistical Mathematics*, 76(2):333–359, April 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00889-z>.

**Drews:2024:UCP**

- [3431] Selina Drews and Michael Kohler. On the universal consistency of an over-parametrized deep neural network estimate learned by gradient descent. *Annals of the Institute of Statistical Mathematics*, 76(3):361–391, June 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00898-6>.

**Kirch:2024:DST**

- [3432] Claudia Kirch and Kerstin Reckruehm. Data segmentation for time series based on a general moving sum approach. *Annals of the Institute of Statistical Mathematics*, 76(3):393–421, June 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00892-4>.

**Quessy:2024:GCP**

- [3433] Jean-François Quessy. Gradual change-point analysis based on Spearman matrices for multivariate time series. *Annals of the Institute of Statistical Mathematics*, 76(3):423–446, June 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00891-5>.

**Adamczyk-Chauvat:2024:SIR**

- [3434] Katarzyna Adamczyk-Chauvat, Mouna Kassa, Julien Papaix, Kiên Kiêu, and Radu S. Stoica. Statistical inference for random t-tessellations models. application to agricultural landscape modeling. *Annals of the Institute of Statistical Mathematics*, 76(3):447–479, June 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00893-3>.

**You:2024:RNR**

- [3435] Hojun You, Kyubaek Yoon, Wei-Ying Wu, Jongeun Choi, and Chae Young Lim. Regularized nonlinear regression with dependent errors and its application to a biomechanical model. *Annals of the Institute of Statistical Mathematics*, 76(3):481–510, June 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00895-1>.

**vonRosen:2024:UGC**

- [3436] Dietrich von Rosen and Martin Singull. Using the growth curve model



in classification of repeated measurements. *Annals of the Institute of Statistical Mathematics*, 76 (3):511–534, June 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00900-1>.

**Li:2024:MHP**

- [3437] Chenlong Li and Kaiyan Cui. Multivariate Hawkes processes with spatial covariates for spatiotemporal event data analysis. *Annals of the Institute of Statistical Mathematics*, 76 (4):535–578, August 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-023-00894-2>.

**Wu:2024:MSH**

- [3438] Lixiu Wu and Jiang Hu. Multi-sample hypothesis testing of high-dimensional mean vectors under covariance heterogeneity. *Annals of the Institute of Statistical Mathematics*, 76 (4):579–615, August 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00896-8>.

**Ren:2024:ELM**

- [3439] Jian-Jian Ren and Yuyin Shi. Empirical likelihood MLE for joint modeling right censored survival data with longitudinal covariates. *Annals of the Institute of Statistical Mathematics*, 76 (4):617–648, August 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00899-5>.

**Mondal:2024:TAO**

- [3440] Anjana Mondal, Markus Pauly, and Somesh Kumar. Testing against ordered alternatives in one-way ANOVA model with exponential errors. *Annals of the Institute of Statistical Mathematics*, 76 (4):649–678, August 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00897-7>.

**Bar-Lev:2024:DNC**

- [3441] Shaul K. Bar-Lev, Gérard Letac, and Ad Ridder. A delineation of new classes of exponential dispersion models supported on the set of nonnegative integers. *Annals of the Institute of Statistical Mathematics*, 76 (4):679–709, August 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00903-y>.

**Yoshida:2024:QML**

- [3442] Junichiro Yoshida and Nakahiro Yoshida. Quasi-maximum likelihood estimation and penalized estimation under non-standard conditions. *Annals of the Institute of Statistical Mathematics*, 76(5):711–763, October 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00901-0>.

**Yoshida:2024:PEN**

- [3443] Junichiro Yoshida and Nakahiro Yoshida. Penalized estimation for non-identifiable models. *Annals of the In-*



- stitute of Statistical Mathematics*, 76 (5):765–796, October 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00905-w>.
- Lukic:2024:NTS**
- [3444] Zikica Lukić and Bojana Milosević. A novel two-sample test within the space of symmetric positive definite matrix distributions and its application in finance. *Annals of the Institute of Statistical Mathematics*, 76 (5):797–820, October 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00902-z>.
- Gribkova:2024:ACP**
- [3445] N. V. Gribkova, J. Su, and R. Zitikis. Assessing the coverage probabilities of fixed-margin confidence intervals for the tail conditional allocation. *Annals of the Institute of Statistical Mathematics*, 76(5): 821–850, October 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00904-x>.
- Okuno:2024:MRD**
- [3446] Akifumi Okuno. Minimizing robust density power-based divergences for general parametric density models. *Annals of the Institute of Statistical Mathematics*, 76 (5):851–875, October 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00906-9>.
- Zhang:2024:AES**
- [3447] Qingyang Zhang. Asymptotic expected sensitivity function and its applications to measures of monotone association. *Annals of the Institute of Statistical Mathematics*, 76 (5):877–896, October 2024. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00910-z>.
- Yoshida:2025:SQL**
- [3448] Nakahiro Yoshida. Simplified quasi-likelihood analysis for a locally asymptotically quadratic random field. *Annals of the Institute of Statistical Mathematics*, 77(1): 1–24, February 2025. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00907-8>.
- Sun:2025:EVR**
- [3449] Peng Sun, Fuming Lin, Haiyang Xu, and Kaizhi Yu. Estimation of value-at-risk by  $L^p$  quantile regression. *Annals of the Institute of Statistical Mathematics*, 77 (1):25–59, February 2025. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00911-y>.
- Kutoyants:2025:HAP**
- [3450] Yury A. Kutoyants. Hidden AR process and adaptive Kalman filter. *Annals of the Institute of Statistical Mathematics*, 77(1):61–103, February 2025. CODEN AISXAD. ISSN 0020-3157 (print),



1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00908-7>.

**Zheng:2025:ICI**

- [3451] Nan Zheng and Noel Cadigan. Improved confidence intervals for nonlinear mixed-effects and nonparametric regression models. *Annals of the Institute of Statistical Mathematics*, 77 (1):105–126, February 2025. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00909-6>.

**Wang:2025:IPA**

- [3452] Hengfang Wang and Jae Kwang Kim. Information projection approach to smoothed propensity score weighting for handling selection bias under missing at random. *Annals of the Institute of Statistical Mathematics*, 77 (1):127–153, February 2025. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00913-w>.

**Pan:2025:MFF**

- [3453] Yingli Pan, Haoyu Wang, and Zhan Liu. Model free feature screening for large scale and ultrahigh dimensional survival data. *Annals of the Institute of Statistical Mathematics*, 77 (1):155–190, February 2025. CODEN AISXAD. ISSN 0020-3157 (print), 1572-9052 (electronic). URL <https://link.springer.com/article/10.1007/s10463-024-00912-x>.