

# A Complete Bibliography of Publications in *Biometrika* for the decade 2010–2019

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## Title word cross-reference

$\beta$  [Hog18, YX13].  $C_p$  [BKN17].  $D$  [YXCD17, ZZ14, BL14].  $K$  [MSR16].  $L_1$  [FL14].  $p$  [BL14, CCC10, HRD18, LY16, MSBM11, Woo13a].  $\phi_p$  [WS14].  $Q$  [LLS14].  $R$  [WJL17].  $t$  [FFM14].  $U$  [Mao18, TQ10].  $\varphi_p$  [JH11b].  $Z$  [BCK15].

**-estimation** [BCK15]. **-function** [MSR16]. **-learning** [LLS14]. **-mixing** [Hog18]. **-model** [YX13]. **-optimal** [JH11b, WS14]. **-squared** [WJL17]. **-statistics** [Mao18]. **-trace** [YXCD17, ZZ14]. **-value** [BL14, CCC10, MSBM11]. **-values** [HRD18, LY16, Woo13a].

**Aalen** [MSZ11]. **aberration** [ZLK13]. **aberrations** [WWN15]. **absence** [EN18]. **absolute** [BCK15]. **abundance** [LLQ17]. **accelerated** [LLZ13]. **account** [DH15]. **Accounting** [MN19]. **accuracy** [CLZ12b, KGV17a, KGV17b]. **Accurate** [CR10b, FRS16, LSD17]. **Acknowledgements** [Ano13a, Ano14a, Ano15a]. **across** [BH18, KTC19].

**active** [DKB15, SDK<sup>+</sup>17]. **acyclic** [RCWJ19, SM10, VT12, YSPW19].  
**Adaptive** [Ros15, STG13, YH18, AZ11, CDC13, HSS19, LL11a, LGF12, MHZ15, MJPk13, PM16, SYZ10, XLWP16]. **addition** [PML19]. **Additive** [MY10, BDW11, FL12, HQ13, LLZ16, MSZ11, MWY13, SR19, Van12, VMT14, VSW14, Woo13a, WS15, ZC10, ZW15]. **adjust** [QF14]. **Adjusted** [Yu13, CLLX13, GKBZ10, LF18a, NSF16]. **adjustment** [GCAIM12, KI14, LSWZ17, VMT14]. **against** [GvHF11, LL11b].  
**aggregated** [EDO19]. **Aggregation** [FG11]. **Aggregation-cokriging** [FG11]. **AIC** [GK10]. **Akaike** [CC18, DOXV11, KHS11]. **Akaike-type** [KHS11]. **algebra** [SDW14]. **algorithm** [BKM10, Che15, DI13, FWT10, PDV11, RCWJ19]. **algorithms** [NSF16].  
**aliasing** [EN18]. **all-or-none** [ELZ12]. **allocation** [AG10a, AMR12, CJ11].  
**aliases** [GT18]. **alternating** [DR17]. **alternative** [GvHF11, LY16].  
**alternatives** [JN17]. **Amendments** [BKL18, DRS12, Pal10, Tan13a, Tit13a]. **amplifiers** [DVR17]. **analyses** [DPW15, Far10]. **Analysing** [ZW12]. **Analysis** [CSDF10, JDM12, AW10, BDPW16, BD14, CLMX19, Cha13b, CDHT18, CCC10, DZK<sup>+</sup>18, DD18, DM19, FFM14, FMD18, HWTH12, Kim11, KJW12, KS13b, KGV17a, KGV17b, KHG11, KP12, KTC19, KB15, LSWZ17, LL18, LZ10, LTF13, Lin17, LSR<sup>+</sup>19, MHS15, MZY12, NTWY17, RL11, Sch14, SED17, SAL<sup>+</sup>17, TL11, VMT14, VFJ19, XCL11, XZZL15, YXCD17, ZL15, ZM18, ZS16, ZIT11]. **Analytical** [BL14]. **analyzing** [WQC10]. **angle** [ZL14].  
**angle-based** [ZL14]. **annual** [Ste17]. **antedependence** [CZ16]. **any** [Ros15, SCD15]. **applicable** [BMG14]. **application** [AGPS10, CLLX13, CLMX19, EDO19, HLM12, JMW19, LC18, PDS11, ZCC<sup>+</sup>12, ZW12].  
**applications** [BD10, Hum12, Li18, TNWL16, XCC15, XLV16]. **approach** [AMW16, BHRG13, BLC<sup>+</sup>17, CZM16, CV18, DWG14, GS10, KM12, KR12, KN16, MY16, MZY12, OAB16, PPRS12, RLZ10, SZ15, TQ12, WWS12, XGX<sup>+</sup>16, YMC12, ZIT11]. **approaches** [DHW14, SNQ12]. **Approximate** [WKY18, CD10, FMRR18, LL14, LF18b, LF18a, Ogd17]. **Approximating** [DH16]. **approximation** [CE10, TQ10, XZW19, YMM12, ZQ13].  
**approximations** [KPW13, LTZ19, PDS11, RF10, WW15]. **arbitrary** [GNRM19, PASJS<sup>+</sup>19]. **Area** [DRS05, DRS12, BDG13, CG11, GKK15, JHD13, PC12]. **area-level** [GKK15]. **arm** [MJW12, SK18]. **array** [HQ11a]. **array-based** [HQ11a].  
**arrays** [HT13, MST14, ZT19]. **Assessing** [BH18, QYSW11, ELZ12].  
**assessments** [HKM18]. **Assigning** [HW17]. **assignment** [LJ15]. **assisted** [BA18, BVR17, Fog18, KR12]. **associated** [HT13, WT14]. **association** [DLS15, HHG13, XCL11, YS18, ZW14]. **assumption** [CSK13, CDW19].  
**assumptions** [CW10, ZW11]. **Asymptotic** [CC18, CKO18, FL14, FMRR18, Li18, YD18, CJ11, CL10, CC10, GvHF11, LF18b, MT14, Ogd17, WO11].  
**asymptotics** [FMPP17, KS16]. **attempts** [QF14]. **attenuation** [OV13].  
**Attributable** [CLZ10]. **augmentation** [PS13, RLD16]. **auto** [FP18].  
**auto-distance** [FP18]. **autocovariance** [PG18]. **Automatic**

[Rob13, WSSQ17, WS15]. **autoregressions** [GWY16, Mon18]. **autoregressive** [BL10, Cai10, CD10, LGLY15, TFS19, ZLL18]. **auxiliary** [SR19, VMT14]. **average** [BCVG17, BL10, Fog18, HC17, OR12, TQ10, ZL12, dLWR11]. **averages** [STL17]. **averaging** [ASD19, PR17, ZZL14, ZCM18]. **axial** [AJ13].

**bagging** [SL14]. **balance** [KAK19]. **balanced** [ABMW14, BC12, CDH11]. **balancing** [AZ11, HFW14, WC18]. **band** [AGL14]. **banded** [AGL14, GWY16]. **banding** [LL11a]. **bands** [BB12, CJ11]. **bandwidth** [CV18]. **base** [CLNP17]. **based** [AG10b, CCC10, CV18, DPW15, DD18, FMPP17, FMPP18, GMMM16, HQ11a, He17, He19, HHG13, HSG19, HV16, HAW10, JS12, KHL17, KGV17a, KGV17b, LZ15, LY16, LSPV19, LZG17, MY16, MSBM11, PS16, RLD16, RCZ17, RLZ10, Sev10, SZWZ19, VTH14, WYC15, WC10, WC18, XHQ11, YMM12, ZL14, ZPFW14]. **baseline** [MT12, TS14, YTY<sup>+</sup>16]. **Basic** [DRS05, DRS12]. **basis** [MHZ15]. **Bayes** [CD13, DMY17, DKY12, DY10, DZ16, DD14, Dur19, Efr16, GKK15, GK19, KD16, PRS14, SW18]. **Bayesian** [AGPS10, BDK15, BDPW16, BD10, BD11, BD14, CZ19, Cra15, DD16, FFM14, FMRR18, HW17, KS16, KJW12, KB15, LL14, LF18b, LF18a, LD14, Lin17, LD15, LHW19, MS14, MLG18, MK15, PR17, PRD11, RCF18, SBS16, SSW15, STG13, SHM16, WD11, WKY18, WDH17, ZZR10, ZIT11]. **be** [Ros15]. **behaviour** [CL10, EDO19, GK10]. **Benchmarked** [GKK15]. **Benchmarking** [BDG13]. **benefit** [RV11]. **best** [BM14]. **beta** [KJW12, TMJ11]. **beta-Dirichlet** [KJW12]. **Better** [Xio14]. **between** [HRD18, SFJ10, WYX18, ZXLZ17]. **beyond** [FMD18, HW13, XZW19]. **Bias** [EO17, OV13, DVR17, JHD13, KF11, KP14b, Lun18, MR14, PSS17, PC12, Wad15]. **Bias-corrected** [EO17]. **biased** [AZ11, CCD12, Cha13b, Che11, HQ11b, HQF12, SNQ12]. **biased-sampling** [SNQ12]. **Bidirectional** [HLM12]. **Big** [Cox15]. **bigraphical** [NL13]. **binary** [AG10a, AMR12, CYW11, MZ13b, RL11, RLL13, SWZL17, SG10, TR11, WRR17a, WRR17b]. **Bingham** [KPW13]. **biological** [DPW15, MN19]. **Biometrika** [Ald13, Ano17, Tit13a, Tit13b]. **bivariate** [HNL11, NCC<sup>+</sup>15, Pre14, XM12, ZW12, ZW14]. **block** [MRV18, PR17, WW15]. **block-diagonal** [PR17]. **Blocked** [ZLK13]. **Blocking** [SLM17, WM11]. **blockmodels** [CWA12]. **body** [OR12]. **Bootstrap** [BB12, HM10, Hua14, NV19, PS16, PW11, Cam15, CH15, CHLM19, DL19a, DW11, FHH11, LW18b, LHW19, PC12, WVM18]. **Bootstrap-based** [PS16]. **Bootstrapping** [KXZ18, LBA19]. **boundary** [CL10, CNN<sup>+</sup>17, CHN<sup>+</sup>18, Sus13]. **Bounded** [Tan10, AL13]. **bounding** [LL14, SM13]. **bounds** [DV16, HSG19, KCG10, VT12]. **brain** [LC18]. **break** [Hog18]. **breaking** [FLP12]. **Bregman** [ZJC10]. **Bridging** [FK13]. **Brown** [HD13]. **Brown-Resnick** [HD13]. **Brownian** [BDK15]. **Brunk** [WS10]. **building** [LLS14].

**calculation** [BL14]. **Calibrated** [KKP16]. **Calibrating** [CTU<sup>+</sup>10, SM19].  
**calibration** [Pal09, Pal10, Tan13a, Tan13b]. **cancer** [ZCC<sup>+</sup>12, ZW12].  
**cannot** [Ros15]. **capture** [Far11, JLMV19, LLQ17, SS12].  
**capture-recapture** [LLQ17, SS12]. **care** [WZ10]. **Carlo**  
[DPDK15, HJ19, LL14, LFR19, VFJ19]. **Case** [ZZC17, BM14, BD14, Cha13b,  
Hua14, KCL13, KCG10, LSW10, NCZ16, QZL<sup>+</sup>15, Sta10, SAL<sup>+</sup>17, XW11].  
**Case-cohort** [ZZC17, Hua14, KCL13, NCZ16]. **case-control**  
[BD14, Cha13b, KCG10, LSW10, QZL<sup>+</sup>15, Sta10, SAL<sup>+</sup>17, XW11].  
**categorical** [PTG15, Van10a]. **category** [LCFL13]. **Causal**  
[YWD19, BKN17, BFT19, CDW19, KSS15, KCG10, KP14b, LZG17, Mao18,  
MGT18, RLSR12, SBS16, WZR17, YD18, YS18]. **cause** [Van10a].  
**cautionary** [NT15]. **Cavalieri** [ZJDP11]. **Censored**  
[QP10, SLMJ14, CCD12, CLZ10, CT10, HQ11b, HQ13, LC13, LZ13,  
SZWZ19, WLT<sup>+</sup>15, ZML16, ZGL17, ZZL<sup>+</sup>15, ZZC17]. **censoring**  
[BB12, CH19a, DZK<sup>+</sup>18, LC10, SSZ12, CH19b, Mar19b, TL19]. **central**  
[YX13]. **chain** [DPDK15, GT13, LL14, VFJ19]. **chains** [DH16, SM13].  
**change** [WK18]. **change-plane** [WK18]. **Changepoint** [CW15, MY16].  
**change-points** [ZSJL10]. **characteristic** [DZ13]. **characteristics** [MR18].  
**Characterization** [JLC14, WC14]. **charts** [GL13]. **chi** [XZW19].  
**chi-squared** [XZW19]. **choice** [LFR19, SCD15, ZZL14]. **Cholesky**  
[RLZ10, ZL12]. **Cholesky-based** [RLZ10]. **Choosing** [HM12, HRD18].  
**circle** [KJ15]. **Circular** [ABMW14]. **Clarifying** [MR15, MR16a]. **class**  
[CPB17, GTXR14, JH11a, WS10, Zha11]. **classes** [CWA12]. **Classification**  
[KS19, Lei14, YMM12, CSDF10, DHB12, DZ16, MZ13b, SWZL17, SL14,  
ZJC10, ZL14]. **classifiers** [DMY17, HX10, HXX13, HV16, KS19]. **classifying**  
[HM12]. **Clayton** [Pre16]. **Clayton-Oakes** [Pre16]. **clear** [LT11]. **clinical**  
[AG10a, AZ11, ELZ12, MJW12, Oak16, SK18]. **clique** [GT18]. **closed**  
[LLQ17, MJPK13]. **closure** [KES11]. **cluster**  
[ET12, KKP16, LKS19, MSR16, NM11]. **clustered** [LLZ13, SD11, SG10].  
**clustering** [BVR17, Cra15, DHB12, SHP12]. **clusters** [Wan10b]. **coarsened**  
[OV13]. **coefficient** [CT10, Jia14, KKG11, LSWZ17, ZW15]. **coefficients**  
[CLZ12a, KG13, SSZ12, ZJBH14]. **cohort**  
[CAW12, CSDF10, Hua14, KSS15, KCL13, KCG10, NCZ16, ZZC17]. **coin**  
[AZ11]. **cokriging** [FG11]. **collective** [AG10a]. **colorectal** [ZCC<sup>+</sup>12].  
**Column** [ZT19]. **Column-orthogonal** [ZT19]. **combination** [SL14].  
**combined** [DWG14, FL14]. **Combining** [KR12, LL16, HRD18]. **Comment**  
[MR16a]. **common** [JCL13, Kon17]. **community** [CLMX19]. **comparing**  
[CO14]. **comparison** [LCOT13]. **comparisons** [KC16, McE16].  
**Compatible** [For12, MJPK13]. **compete** [LJ15]. **competing**  
[LF13, MH11, SSZJ10]. **complete** [HWF15]. **complex**  
[CK12, DBP17, KY17, LS13, OAB16, SAL<sup>+</sup>17]. **compliance** [ELZ12].  
**component** [HWTH12, LZW14, NTWY17]. **components**  
[JLA18, Sch14, Woo13a]. **Componentwise** [DHB12, DZK<sup>+</sup>18, Wad15].  
**Composite** [DZ13, HD13, CHN<sup>+</sup>18, DZK<sup>+</sup>18, Lun16, SM13]. **compositional**

[CLL18, LSFL14]. **Compound** [AG10a, Wan10a]. **compressed** [XZ11]. **computation** [FMRR18, LL14, LF18b, LF18a, MHZ15]. **computational** [FWT10]. **computationally** [SIL<sup>+</sup>16]. **computer** [GSDK14, HT13, JGB15]. **concave** [FL14]. **condition** [MZ13a]. **Conditional** [DÉMR13, DOXV11, HP17, WY15, CHN<sup>+</sup>18, CZM16, DKY12, DY10, Far11, GK10, HW14, HC17, KD16, Mon18, RBN10, SHM16, SD19, Tan11, TWB18, WZ10, ZLL18]. **conditionality** [Azr19]. **conditionally** [SR17, SK18]. **conditions** [DV14, KR14]. **confidence** [AR10, BMS13, BB12, CJ11, HM10, HZ11, Har12, HSG19, Lei14, MJPk13, YH18, Zha11]. **conformalization** [Lei19]. **confounder** [MGT18]. **confounders** [OV13, TR11, YWD19]. **confounding** [DV16, DVR17]. **conic** [BCW11]. **conjectured** [Pal09, Pal10]. **Conjugate** [Dur19]. **connecting** [Cha13b]. **connection** [WYX18]. **connectivity** [LC18]. **Conservative** [Har12]. **consistency** [ADL<sup>+</sup>13, BOW13, DL19a]. **Consistent** [WWN15, Wan10b, AMR18, HHG13, Pre14]. **constant** [KPW13, YH18]. **Constrained** [YSPW19, MWZ18]. **constraints** [CHN<sup>+</sup>18, Far11, KHS11, Sus13]. **Constructing** [ES18]. **Construction** [GSDK14, JH11b, XX17, BS11]. **contact** [QF14]. **contamination** [KF15]. **Contents** [Ano13b, Ano14b, Ano15b]. **continual** [JLC14]. **Continuous** [PRBR18, BKL15, BKL18, FMPP18, MH11]. **Continuously** [MWY13]. **continuum** [CC10]. **Contours** [CPB17]. **contrast** [JH11b]. **control** [BD14, Cha13b, DKB15, GL13, GvHF11, GMKS19, GT18, HZSR15, KCG10, LSW10, QZL<sup>+</sup>15, RCWJ19, Sta10, SAL<sup>+</sup>17, XCL18, XW11]. **controlled** [CQ14, SDK<sup>+</sup>17, Van10b]. **Controlling** [JHD13]. **controls** [CCC13]. **Convergence** [DI13, LZW14, LF18a, Che15]. **convex** [HSS19, TWZ<sup>+</sup>18]. **Copula** [LC10]. **copy** [EZ11]. **Cornfield** [DV14]. **corpuscle** [CQ16]. **Corrected** [WSZ12, EO17]. **Corrected-loss** [WSZ12]. **Correction** [KGV17a, LW20, Mon18, PC12]. **Corrections** [BKL18, DRS12, Pal10, Tan13a, Tit13a]. **correlated** [BA18, CYW11, DCGO18, GB12]. **correlation** [CPB17, DCGO18, FP18, KG13, LLZ16, SL11, SZAS16, TP17, ZJBH14, ZXLZ17]. **correlations** [CYZ17, CQ14, LSPV19]. **cost** [FWT10, WZ10]. **count** [CD13, DD16]. **counterexamples** [KR14]. **Counting** [SZWZ19]. **coupled** [MR15, MR16a]. **couplings** [HJ19]. **Covariance** [DPW15, XZZL15, AG10b, AMBFL18, Bat19, BT11, CZM16, DP19, GD13, KMM11, LFH17, LL11a, Li11, MT14, MLG18, NT15, PS16, PM19, PADS14, RV16, RLZ10, Rot12, XM12, ZL12, ZLS19]. **Covariance-based** [DPW15]. **Covariance-enhanced** [XZZL15]. **covariances** [PM16, WDM18]. **Covariate** [BVR17, CLLX13, YS18, dLWR11, AZ11, KN16, KTC19, NM11, QZL<sup>+</sup>15, SYZ10, WSZ12, WC18, YMC12]. **covariate-adaptive** [AZ11, SYZ10]. **Covariate-adjusted** [CLLX13]. **Covariate-assisted** [BVR17]. **covariate-specific** [QZL<sup>+</sup>15]. **covariates** [Atk15, BLC<sup>+</sup>17, CLZ12b, CM10, DLS15, LSFL14, MLS13, MN19, Rat13, TWB18, TS14, TSMW15, VMT14, ZIC15]. **coverage** [YH18]. **Cox** [CLZ12a, HQF12, SIL<sup>+</sup>16, WK18, ZIC15]. **credible** [SM19]. **criteria**

[HWF15, Jan14]. **criterion** [BKN17, CC18, KHS11, MZ15, XQ15]. **criticism** [BL14]. **Cross** [AG10b, CYZ17, HNLR11, KM12, KG13, MR14]. **cross-correlation** [KG13]. **cross-correlations** [CYZ17]. **Cross-covariance** [AG10b]. **cross-sectional** [MR14]. **crossvalidating** [ZQ13]. **crossvalidation** [Wan10b]. **cumulative** [GL13, RSR18]. **cure** [BLC<sup>+</sup>17, MV19]. **current** [LF13, MHS15, MH11, PJ16]. **curve** [BRW10, DZ13]. **curves** [KDL10, XQ15]. **cyclic** [YMM12]. **cylindrical** [MSR16].

## Data

[GC17, KO11, PS13, RLD16, AM10, BMG14, CLL18, CJ11, CAW12, CC15, CCD12, Cha13b, CZ16, CDHT18, CSDF10, CT10, CYW11, CZI<sup>+</sup>13, CHLM19, CM16, Cox15, DMY17, DD16, DHB12, DHW14, DH15, DH16, DBP17, DD14, EDO19, Far10, FHD17, FHV10, FW15, Fle12, FG11, HM12, HW13, HP17, HFQ10, HQ11b, HLM12, HQ13, Jia14, Kim11, KJW12, KR12, Kon17, KP12, LZW14, Li11, LF13, Li18, LZ10, LCFL13, LLZ13, LZ13, LLQ17, LT15, LC18, MHS15, MH11, MN19, Mei10, OAB16, OV17, PS16, PM16, PJ16, Pre16, PW11, RCZ17, RZWY15, RLSR12, RLL13, SR17, SR19, SSZJ10, SW16, SNQ12, SKMdG16, SRH14, SLMJ14, Sus13, SG10, Tan11, TL11, TQ12, VLQCB19, VTM12, WQC10, WLT<sup>+</sup>15, WY15, XW11, XM12, XGX<sup>+</sup>16, YLW15, Yu13, ZML16, ZGL17, ZL12, ZW15, ZZL<sup>+</sup>15, ZM18, ZJBH14]. **data** [ZLS19, ZK12, ZS16, ZZC17, ZW12, ZW14]. **data-dependent** [Sus13]. **Data-driven** [KO11]. **datasets** [BDT13]. **Davis** [YWS15]. **death** [WZR17]. **debiased** [SOG<sup>+</sup>19]. **decisions** [ZTLD13]. **declustering** [Rob13]. **decomposable** [GT13, GT18]. **decomposition** [EO17]. **Decompositions** [CT19]. **deconvolution** [Efr16]. **Default** [BDPW16]. **definite** [Rot12]. **definitions** [MR15, MR16a]. **degrees** [JFH15, KR14, MN19, MCWZ15, MCWZ18, Sus13]. **dense** [KZ13]. **densities** [HMMM16, PM19, ZH14]. **Density** [YLQ17, BD10, BM14, DMY17, GK19, Gui19, KD14, SNQ12, STG13, WD11, ZZR10, ZHC19]. **Dependence** [WT12, CT19, GMD15, Hog18, LSPV19, MR14, NCC<sup>+</sup>15, SFJ10, WJL17, WDM18]. **dependencies** [SFG16]. **Dependent** [JKL17, DLS15, HNLR11, JH11a, MHS15, SKMdG16, SSZ12, Sus13, XLV16]. **depth** [PB19]. **Design** [FMPP17, FMPP18, PML19, AZ11, BA18, BDW11, DCGO18, FHV10, Hua14, Ros15, Tan13a, Tan13b]. **Design-based** [FMPP17, FMPP18]. **design-efficient** [Tan13a, Tan13b]. **designed** [SM15]. **Designing** [DKB15]. **Designs** [Lin12, WW15, ZQ13, ABMW14, ASD19, Atk15, Che11, CQ14, DLS15, DKBB10, DGMW18, GSDK14, HQ11a, He17, He19, HAW10, JH11b, JGB15, KD15, KAK19, LT11, MJPk13, RV11, Ros15, SDK<sup>+</sup>17, SCD15, TQ10, TX14, WYX18, WWY10, WS14, XX17, XHQ11, ZLK13]. **Detecting** [ZSJJ10, CLMX19, WJL17]. **detection** [AGL14, KN16, MY16, RCZ17, RZWY15, XCC15]. **determination** [LL16]. **determine** [BMS13, MZ15]. **deviation** [BCK15]. **deviations** [CTP19]. **Diagnostic** [CCZ15, ZIC15]. **diagonal** [PR17]. **dichotomous** [Van10b].

**difference** [DV14]. **Differential** [CLMX19, YXCD17, AMW16, BDK15, CCC10, PPRS12, XCC15, Yu13, ZCL14]. **differential-geometric** [AMW16]. **diffusion** [LSPV19]. **diffusions** [DL19b, PPRS12]. **dilution** [DH15].

**Dimension**  
 [DL10, WYC15, YZPZ13, CCZ15, HFQ10, HC17, Hun12, KO11, LZG17, MZ13a, MZ15, SWZL17, SZWZ19, WGZX14, XGX<sup>+</sup>16, YLW15, ZWZF10].

**dimension-reduction** [Hun12]. **dimensional**  
 [AW10, AGL14, AMR18, AMBFL18, Azr19, BCM16, BMG14, BKM10, CLL18, CC15, CYZ17, CQ14, CT19, Dic14, DZ16, EPS16, Fry13, GvHF11, GWY16, HX10, KHL17, LYB11, LZW14, LT12a, Li18, MZ13b, MN19, NL13, Pre16, PW11, PG18, RZWY15, SM10, SLMJ14, TWZ<sup>+</sup>18, TL10, WY15, XCL18, XLWP16, YB19, ZJC10, ZJBH14, ZLS19, ZPFW14, dFD18].

**dimensionality** [GC17]. **dimensions** [AG10b, HCL17, JLA18, KXYZ16, LSR<sup>+</sup>19, LBA19, MZY12, RLZ10, She17, TNWL16]. **dimple**  
 [CPB17, KMM11]. **Direct** [LJ15, ZCL14, MZY12, TS14, Van10b]. **Directed**  
 [VT12, RCWJ19, SM10, YSPW19]. **direction** [AM10, JMW19]. **directional**  
 [FRS16]. **Dirichlet** [KJW12, STG13, SM13]. **Dirichlet-multinomial**  
 [SM13]. **discontinuation** [LJ15]. **discontinuous** [XQ15]. **discover**  
 [HZSR15]. **discovery** [CDW19, EZ11, GL13, GMKS19, HSG19, JCL13, JMW19, RCWJ19, SL11, SZY11, XCL18]. **discrete** [AR10, CE10, MH11].

**discretization** [ZWZF10]. **discretization-expectation** [ZWZF10].

**discriminant** [LL18, MZY12, XZZL15]. **discrimination**  
 [AM10, DGMW18, HLM12]. **Discussion**  
 [BR19, JW19, Mar19a, Mar19b, RRG19, TL19]. **disease**  
 [CSDF10, MB13, QZL<sup>+</sup>15]. **disparate** [KTC19]. **Dispersion** [KP12].

**distance** [FP18, He17, He19, LSPV19, WYX18, XX17]. **distance-based**  
 [LSPV19]. **Distances** [PADS14, ABMW14, HHG13, Li18]. **distinguish**  
 [RV11]. **distributed** [DL10]. **Distribution** [HZ11, HCL17, LY16, BMG14, CDHT18, CCC10, ET12, GMMM16, Hid14, KP15, LGH<sup>+</sup>14, Ste17].

**distribution-based** [CCC10]. **Distribution-free** [HCL17, BMG14].

**Distributional** [DL19a]. **distributions** [BS11, BK16, BKM10, BB12, Dur19, GNRM19, GCYS16, KC16, KJ15, KPW13, MT14, Wad15]. **divergence**  
 [GK19, ZJC10]. **diverging** [YX13]. **do** [PRS14]. **does** [KR14]. **domain**  
 [CDHT18, KS19]. **dominance** [ZHC19]. **dominated** [Ros15]. **dose**  
 [CE10, DKB15, MSBM11, SDK<sup>+</sup>17]. **dose-finding** [CE10, DKB15, SDK<sup>+</sup>17].

**dose-response** [MSBM11]. **Double** [CH15, HW13, RLSR12, XH19].

**Double-bootstrap** [CH15]. **double-robust** [RLSR12]. **Doubly**  
 [BCVG17, LSH12, ZZL<sup>+</sup>15, MT16, SBS16, Tan10, TRR10]. **downscaling**  
 [EDO19]. **driven** [BDK15, BKL15, BKL18, KO11]. **drop** [Han16, WWY10].

**drop-out** [Han16]. **drop-the-losers** [WWY10]. **Dual** [SS18]. **Dunnett**  
 [MJW12]. **Durbin** [PG18]. **dynamic** [DD14, ES18, ZTLD13]. **dynamics**  
 [SS12, VTM12].

**early** [JS12]. **edge** [MLG18, Mon18, VT12, ZLZ17]. **edge-specific** [VT12].

**Editor** [Ano17]. **Editorial** [Dav13]. **effect** [BCVG17, DD18, DFKO15, Fog18, HZSR15, KP14b, SL11, TS14, Van10b, YS18, dLWR11]. **Effective** [JFH15, YLW15, HFW14]. **effects** [BFT19, CZI<sup>+</sup>13, GMMM16, HC17, KG13, KHG11, KCG10, Lee18, LLXC17, LZG17, MGT18, NM11, QP10, SSZJ10, SZ15, SRH14, Van10b, WW15, WZR17, Woo13b, YD18, ZCC<sup>+</sup>12, ZL15, ZZL14]. **efficacy** [ELZ12, SDK<sup>+</sup>17]. **Efficiency** [MZ13a, Han16, LF18b, LZ10, WM11]. **Efficient** [BDT13, CLZ12a, DPDK15, LSW10, Li11, LC13, MHZ15, Mei10, RZ15, Tan11, TO15, WT14, WLT<sup>+</sup>15, CS13, KCL13, SIL<sup>+</sup>16, SC11b, SC12, SZCY16, Tan10, Tan13a, Tan13b, TQ12, ZK12]. **eigenvalues** [LZW14, LL16]. **eigenvector** [CTP19]. **eigenvectors** [LZW14, LL16]. **elicitable** [Hei14]. **eliminating** [YS18]. **elimination** [Cha13a]. **Elliptical** [VF11, TO15, VT14]. **elliptically** [DL10, MT14]. **emax** [DKBB10]. **embeddings** [Gui19]. **Empirical** [AW10, CG11, Efr16, PC12, TL11, CZ19, DZ16, GKK15, GK19, LT12a, LLQ17, OAB16, PRS14, TL10, TQ12, TW14, VTH14, WQC10]. **endpoints** [DZK<sup>+</sup>18]. **energy** [LFR19]. **enhanced** [XZZL15]. **Enhancing** [TQ10]. **ensemble** [FK13]. **ensembles** [DSB18]. **Entropy** [GMD15, Tan13a, Tan13b]. **envelope** [EC17, Sch13, Sch14, SZCY16]. **Envelopes** [CFZ15, CS13, SC11b, SC12]. **environment** [CCC13, DKLP12, SAL<sup>+</sup>17]. **environmental** [FMPP17]. **epidemic** [KP14a]. **epidemiology** [ZW12]. **equal** [CDW19, PB14]. **equal-variance** [CDW19]. **equality** [Far11, PS16, ZH14]. **equation** [GS10, PB14, XGX<sup>+</sup>16]. **equations** [BDK15, BL10, LT12a, PPRS12, QYSW11, TQ12, TW14]. **equivalence** [Sta10]. **equivariant** [BM14]. **ergodicity** [LL14]. **errata** [Pal10]. **Erratum** [WRR17a]. **error** [CDHT18, GvHF11, GMMM16, HZSR15, LL18, MLS13, PB14, PC12, XW11, YMC12, Yu13, YB19]. **error-prone** [MLS13]. **errors** [DCGO18, KD15, MS14, WSZ12, WVM18, ZBDPJ10]. **errors-in-variables** [KD15]. **estimability** [MN19]. **estimated** [CO14, YD18, ZCM18]. **estimates** [Efr16, JLMV19, PSS17, RSR18]. **Estimating** [CZI<sup>+</sup>13, Fle12, SFJ10, Wan10a, YB19, ZCC<sup>+</sup>12, ZLZ17, DWG14, GS10, LL11a, LT12a, LZG17, QYSW11, TQ12, TW14, XQ15, XGX<sup>+</sup>16, ZZL<sup>+</sup>15]. **Estimation** [AG13, HW13, HFW14, LYB11, MR14, NM11, TS14, Van10b, WZ10, AHL16, AL13, AMBFL18, BHRG13, BCK15, BD10, BT11, BRW10, CTU<sup>+</sup>10, CLLX13, CW15, CAW12, CQ16, CG11, CD10, Che11, CLZ12a, CWS15, CFB17, CIHF18, CS13, DR17, DI13, DL19b, Dic14, EC17, FL12, Fry13, GD13, GMMM16, Gui19, GLMZ11, HFQ10, HNLR11, HQ11b, HHC11, HQ13, HC17, HD13, KF15, KS13a, KC13, KP14a, KD14, LFH17, LSW10, LLZ16, LW18a, LW20, Li11, LF13, LSD17, LC13, LCFL13, LLXC17, LLZ13, LLQ17, LJ15, MSBM11, Mao18, MLG18, NCC<sup>+</sup>15, OR12, PPRS12, PC12, PDS11, Rat13, RZ15, RLL10, RLSR12, SC11a, SL11, STG13, SM10, SRH14, SK18, SC11b, SC12, SZCY16, Tan10, TFS19, TRR10, TR11, VL14, VSW14, WO11, WSZ12, WWS12, WLT<sup>+</sup>15, WZR17, WWY10, XH19, XLV16, YK16]. **estimation** [YS18, Yu13, YLQ17, ZML16, ZGL17, ZTLD13, ZZ14, ZCL14,



ZM18, ZK12, ZWZF10, ZW14, ZJDP11, dLWR11]. **estimator** [BS10, CPS10, DPK15, HQF12, Lee18, PTK12, Pre14, PG18, RV16].

**Estimators** [DRS05, DRS12, BDG13, Cam15, CJ11, CKO18, CG12, CV18, HZ11, JHD13, KK12, KCL13, LF18b, LHBD16, LT15, MT16, MR18, MCWZ15, MCWZ18, Rot12, SK16, STL17, Tan11, Tan13a, Tan13b, VT14, WS10, WO11, ZJDP11].

**ethics** [AG10a]. **evaluation** [GKK15]. **event** [CLZ10, CLZ12b, DSB18, ELZ12, GKBZ10, KJW12, LCFL13, NCC<sup>+</sup>15, Oak16, WH14, Yu13, ZC10].

**events** [CZI<sup>+</sup>13, Rob13, ZC10]. **Evidence** [Ros10, KFS19]. **Ewens** [Cra15].

**Exact** [DEO16, FWCT14, JH11b, Lei19]. **exceedances** [ET12].

**exchangeability** [MR15, MR16a]. **exchangeable** [GCYS16]. **exciting** [Cai10]. **existing** [WSSQ17]. **Expandable** [SED17]. **expectation** [VTH14, WC14, ZWZF10]. **expectation-maximization** [WC14].

**expectations** [LTZ19]. **expensive** [DLS15]. **experimental** [JH11b].

**experimentation** [PASJS<sup>+</sup>19]. **experiments** [BA18, Fog18, GSDK14, HT13, JH11b, JGB15, PML19, SM15, VMT14].

**explicit** [LSWZ17]. **exploratory** [HZSR15]. **Exponential** [KS16, DKBB10, DKB15, DY10, FW15]. **exposure** [TR11, Van12].

**exposures** [Van10a]. **expression** [CCC10, JMW19]. **Extended** [TW14, TSMW15, Wool3a]. **extension** [LL11b, MRV18, TMJ11].

**extraction** [She17]. **extrapolation** [BLC<sup>+</sup>17]. **extrema** [HM10]. **Extremal** [EDO19, Hog18]. **extreme** [BS11, Ste17, WT14]. **extremes** [CT19, WT12].

**extremum** [WDH17].

**Factor** [Wan12, BD11, JMW19, KD14, LT11, She17, SED17, ZL12].

**factorial** [TX14, ZLK13]. **factorials** [MT12]. **factorization** [VLQCB19].

**factorized** [MRSR17]. **factors** [AZ11, KFS19, Kon17, LYB11, Ros10, SW18, TX14]. **failed** [QF14]. **failure** [DW11, HNLR11, LLZ13, NCZ16, Pre16, ZZC17]. **faithful** [BKM10]. **False** [EZ11, SZY11, GL13, GMKS19, HSG19, RCWJ19, RZ15, SL11, XCL18].

**falsification** [WRR17a, WRR17b]. **families** [DKB15, DY10, FW15, KES11].

**family** [KJ15]. **familywise** [HZSR15]. **Fast** [BCM16, Lei19]. **feature** [SHP12]. **features** [BH18]. **fewer** [KR14]. **fiducial** [CH19a, CH19b, Mar19b, TL19]. **field** [CLMX19, ZZR10]. **fields** [AG10b, Gui19]. **filling** [XHQ11, ZX15]. **filter** [LW18a, LW20, MZ13b].

**filtering** [DKLP12]. **filters** [FK13]. **finding** [CE10, DKB15, SDK<sup>+</sup>17].

**findings** [BH18]. **Finite** [CG12, BL14, BHRG13, HWF15]. **finite-** [BL14].

**first** [Su18]. **Fisher** [KPW13, KB15]. **Fisher-Bingham** [KPW13]. **fit** [GMMM16, MV19, SS14, XW11, YL16, ZLL18]. **fitting** [CK12, DWG14, Fle12, SZAS16]. **fixed** [KES11]. **flawed** [JFH15].

**fluctuations** [CTP19]. **follow** [KI14, Ste17]. **follow-ups** [KI14].

**Forecasting** [Cai10, HMMM16, Pal09, Pal10]. **forms** [FWCT14].

**formulae** [LM11]. **formulation** [TWZ<sup>+</sup>18]. **Forward** [LL11a]. **four** [KJ15].

**four-parameter** [KJ15]. **fraction** [CLZ10]. **fractional**

[BDK15, Kim11, TX14]. **fractions** [MT12]. **fragmented** [DH16]. **fragments** [DP19, KS19]. **frailty** [LLZ13, MSZ11]. **frames** [AJ13]. **framework** [Che11, MSBM11, MB13, SK16, WDM18, YS18]. **Fréchet** [DM19, NTWY17, PM16]. **free** [BMG14, HCL17, JH11a]. **freedom** [JFH15, KR14, MCWZ15, MCWZ18, Sus13]. **frequency** [CDHT18, Kon17, TFS19]. **Frequentist** [KP14a, ASD19]. **fully** [MST14]. **function** [DWG14, GMS11, KKG11, LCFL13, MSR16, Pre14, WWS12, WLT<sup>+</sup>15, ZZR10]. **Functional** [KHG11, YM10, ZCM18, CJ11, CM16, CKR17, DMY17, DHB12, DH16, DP19, FHV10, Ger15, HM12, Hei14, JKL17, Jia14, KXYZ16, KP12, KS19, LC18, MY10, MWY13, PS16, PM16, QP10, RCZ17, VTM12, WC18, YLW15, YMC12, ZW15]. **functional-coefficient** [Jia14]. **functionals** [KXZ18]. **functions** [AG10b, CO14, CLZ10, CV18, CPB17, CH19a, CH19b, FWCT14, Mar19b, PS16, PTK12, SDW14, TL19, WT14].

**gamma** [MSZ11, Wan10a]. **gatekeeping** [LCOT13]. **Gaussian** [BDT13, BCM16, DR17, DFKO15, FLP12, FS11, GMS11, KRS18, LD14, MLG18, PB14, PS13, SZAS16, SIL<sup>+</sup>16, WT14, XLV16, YSPW19]. **Gene** [SSC19a, CCC10, CCC13, DKLP12, JMW19, SAL<sup>+</sup>17, XCC15, BR19, JW19, Mar19a, RRG19, SSC19b]. **gene-environment** [CCC13, DKLP12, SAL<sup>+</sup>17]. **gene-gene** [XCC15]. **General** [Hid14, LHW19, SM15, DVR17, FHD17, GK19, HW17, LT12a, MB13, ST17, SM19]. **Generalized** [Cra15, DV14, KTC19, KKG11, MNF11, WQC10, WJL17, AMW16, AMR18, CW10, CH19a, CH19b, DOXV11, EO17, Fle12, GvHF11, JKL17, MJW12, Mar19b, NM11, PDV11, PTG15, QYSW11, SC11a, Ste17, TL19, WW15, WDM18, Woo13a, WS14, YMC12, ZLL18, ZJDP11]. **genetic** [CCC13, LSR<sup>+</sup>19, WLT<sup>+</sup>15]. **genetical** [CLLX13]. **genome** [DKLP12, XCL11]. **genome-wide** [DKLP12, XCL11]. **genomic** [WWN15]. **genomics** [CLLX13, XLV16]. **geodesic** [KDL10]. **geometric** [AMW16, KM12, LL14, ZIT11]. **geostatistical** [PRD11]. **geostatistics** [KS13a]. **Gibbs** [BCRW14, SLM17]. **Global** [KK12, WC10, BDPW16]. **Gneiting** [CPB17, KMM11]. **Going** [SIL<sup>+</sup>16]. **good** [ZX15]. **Goodness** [GMMM16, MV19, SS14, XW11, YL16, ZLL18]. **Goodness-of-fit** [GMMM16, MV19, SS14, XW11, YL16, ZLL18]. **gradients** [MY10]. **Graph** [VSW14, GT18, SHP12, YSPW19]. **graphical** [CWS15, DR17, GLMZ11, LLZ16, MLG18, TNWL16, VF11, VT14, XLV16]. **graphs** [GT13, RCWJ19, SM10, VT12, YX13]. **greatly** [KAK19]. **grid** [SIL<sup>+</sup>16]. **group** [AG13, DHW14, DH15, LLZA12, PJ16, WMGK14, ZM17]. **group-tested** [PJ16]. **grouped** [AMW16, MH11, WS10]. **growing** [CWA12, LT12a]. **guaranteed** [LL18].

**Hamiltonian** [HJ19, LFR19]. **Hamiltonian/hybrid** [LFR19]. **handle** [EC17]. **Hastings** [STL17]. **hazard** [RSR18, TSMW15, VMT14]. **hazards** [CIHF18, DOXV11, HQ13, MSZ11]. **health** [WZ10]. **heavy** [FW15, KF15].

**heavy-tailed** [FW15]. **Hellinger** [WYC15]. **heterogeneity** [DD18, JLMV19]. **heterogeneous** [Bro19, WY15]. **heteroscedastic** [WVM18, ZLL18]. **hidden** [AHL16, BR19, JW19, Mar19a, RRG19, SSC19a, SSC19b, WC14]. **Hierarchical** [GK19, SW15, HSS19]. **High** [DZ16, Fry13, GWY16, NL13, dFD18, AGL14, AMR18, AMBFL18, Azr19, BCM16, BMG14, BKM10, CLL18, CYZ17, CDHT18, CT19, Dic14, GC17, GvHF11, HX10, HCL17, JLA18, KXYZ16, Kon17, LYB11, LZW14, Li18, LSR<sup>+</sup>19, LBA19, MZY12, MZ13b, MN19, PG18, RZWY15, RZ15, RLZ10, She17, SM10, SLMJ14, Tan13a, Tan13b, TNWL16, TWZ<sup>+</sup>18, TL10, XCL18, XLWP16, YB19, ZJBH14, ZLS19, ZPFW14]. **High-dimensional** [DZ16, Fry13, GWY16, NL13, dFD18, AGL14, AMR18, AMBFL18, Azr19, BCM16, BMG14, BKM10, CLL18, CYZ17, CT19, Dic14, GvHF11, HX10, LYB11, Li18, MZ13b, MN19, PG18, RZWY15, SM10, SLMJ14, TWZ<sup>+</sup>18, TL10, XCL18, XLWP16, YB19, ZLS19, ZPFW14]. **high-entropy** [Tan13a, Tan13b]. **high-frequency** [CDHT18, Kon17]. **high-throughput** [RZ15]. **Higher** [Pre16, BL14, RF10]. **higher-order** [RF10]. **highlights** [Tit13a, Tit13b]. **highly** [FG11]. **history** [KJW12, Sti12]. **Hochberg** [GTXR14]. **Holm** [SFG16]. **Hommel** [GTXR14]. **Homogeneity** [ZLS19]. **homotopy** [Lei19]. **horizons** [ES18]. **horseshoe** [CPS10]. **Horvitz** [CJ11]. **Horvitz-Thompson** [CJ11]. **hunting** [BR19, JW19, Mar19a, RRG19, SSC19a, SSC19b]. **hybrid** [GTXR14, LFR19]. **hypercube** [CQ14, HQ11a, HAW10, XX17]. **hypercubes** [HT13, ST17]. **hypotheses** [KES11, LCOT13, SYZ10]. **Hypothesis** [AGL14, GMKS19, HM10, Har12, LY16, Ros12]. **Hysteretic** [LGLY15].

**Identifiability** [PB14, TFS19, Che11]. **Identification** [WZR17, AHL16, MWZ18]. **Identifying** [MGT18]. **Ignorability** [FHD17, FMD18]. **image** [KRS18]. **implementation** [DPDK15]. **implications** [MR15, MR16a]. **imply** [KR14]. **importance** [Har12]. **Improved** [RLSR12, GTXR14, KAK19, LSWZ17]. **improvement** [LL18]. **Improving** [KGV17a, KGV17b, SFG16]. **imputation** [CDH11, CH17, Kim11, KY17, WMC12, YK16]. **imputations** [LGH<sup>+</sup>14]. **imputed** [CHLM19]. **In-sample** [HMMM16]. **Inadmissibility** [BM14, MT14]. **incidence** [CAW12]. **incidental** [Lun18]. **incomplete** [SR17]. **Incorporating** [HX10, TS14]. **increase** [QZL<sup>+</sup>15]. **indefinite** [ES18]. **independence** [BS19, FP18, GNRM19, HCL17, KD16, RBN10, SS14, SLMJ14, Wan12, XZ11]. **independent** [DKLP12, KR12, SR17]. **index** [ZHC19]. **Indicator** [SDW14]. **Indirect** [MR16b, CR10b]. **individual** [AG10a, Bro19, LZ10]. **individual-level** [LZ10]. **individualized** [DSB18, LZ15, ZZL<sup>+</sup>15]. **induced** [KP15]. **inequality** [KHS11]. **Inference** [BLC<sup>+</sup>17, Van12, ZJBH14, BKN17, BCK15, BCVG17, BDK15, CC18, CNN<sup>+</sup>17, CH19a, CH19b, CR10b, DD16, DKY12, DY10, DZ16, ELZ12, Fog18, FRS16, KSS15, KZ13, KGV17a,

KGV17b, KD16, KP14b, LC10, LW18b, LSR<sup>+</sup>19, MH11, MT11, Mar19b, NCC<sup>+</sup>15, Ogd17, PADS14, PW11, QF14, RLSR12, SBS16, SIL<sup>+</sup>16, SW15, TL19, TO15, TLT18, WT14, Wad15, WWS12, WH14, WKY18, WVM18, WC14, XQ15, YD18, YWD19, ZZR10, ZW14, ZHC19, dFD18]. **Inferring** [VTM12]. **infinite** [BD11, CC15]. **infinite-dimensional** [CC15]. **influence** [ZIT11]. **Information** [BKL15, Jan14, SS12, BS19, CC18, DOXV11, FL12, HWF15, KHS11, KTC19, MZ15, OAB16, PDS11, QZL<sup>+</sup>15, SR19, WW15, XQ15, YTY<sup>+</sup>16, BKL18]. **Information-theoretic** [BKL15, BKL18]. **informative** [Far10, KS13b, LKS19, Lin17, NM11, PRD11, SZ15, WKY18, ZC10]. **inhomogeneous** [BS10, GS10]. **Inner** [SC12]. **insights** [CC10]. **Instrumental** [DVR17, CFB17, RL11, WRR17a, WRR17b]. **integral** [WYC15]. **integrated** [LFH17, Sev10]. **Integrating** [KFS19]. **integration** [GC17, PM16]. **Integrative** [LL18]. **intensities** [PRBR18]. **intensity** [BS10, CV18, Rat13]. **interaction** [BD16, CM16, DKLP12, Van12]. **interactions** [CCC13, LT11, SAL<sup>+</sup>17, Van10a, XCC15]. **Interactive** [LLS14]. **interference** [BFT19, LHBD16, PASJS<sup>+</sup>19]. **Interleaved** [He17, He19]. **interpoint** [Li18]. **interpretable** [KJ15, PM16]. **intersections** [GT18]. **Interval** [AL13, WWY10, LSD17, ZML16, ZGL17, Zha11, ZZC17, ZW12, ZW14]. **interval-censored** [ZML16, ZGL17, ZZC17]. **intervals** [AR10, BMS13, HM10, HZ11, Har12, MJPK13, YH18]. **Intrinsic** [Han16, Mon18]. **invariant** [CS13, SNQ12]. **Inverse** [MLS13, SD11, FLP12, LHBD16, RLL10, SW16, Tan10, TWZ<sup>+</sup>18]. **isotonic** [CIHF18, WD11]. **item** [CH17]. **Itemwise** [SR17]. **iterative** [Che15, DI13, LGH<sup>+</sup>14].

**jackknife** [CZ19]. **Joint** [GLMZ11, HC17, XCL18, XLV16, VSW14, WWS12]. **Jump** [XQ15, PDV11]. **junction** [GT13].

**Kahan** [YWS15]. **Kalman** [FK13]. **Karl** [Ald13, Sti12]. **Kernel** [LLZ13, WC18, CV18, LD15]. **Kernel-based** [WC18]. **kernels** [LL14]. **Kinetic** [LFR19]. **knockoffs** [SSC19a, BR19, JW19, Mar19a, RRG19, SSC19b]. **Kolmogorov** [MZ13b]. **Kronecker** [Sch14].

**L** [Sti12]. **landmark** [PW11]. **Langevin** [NSF16]. **large** [BDT13, GMKS19, LFH17, LL11a, Mei10, Rot12, SW15, ZH14, ZJC10, ZL14]. **large-dimensional** [ZJC10]. **large-margin** [ZL14]. **large-scale** [GMKS19, SW15]. **largest** [JN17]. **lasso** [BCW11, Cam15, DL19a, Lei19, LGF12, OV17, TLT18, YXCD17, ZZ14]. **Latent** [KD14, AG10b, LYB11, SZAS16, TNWL16]. **Latin** [CQ14, HQ11a, HT13, HAW10, ST17, XX17]. **lattice** [He17, He19, ZX15]. **lattice-based** [He17, He19]. **laws** [GT18]. **learning**

[DSB18, LLS14, ZZL<sup>+</sup>15]. **least** [BCK15, CD10, Lee18, SKMdG16]. **left** [HQ13]. **left-truncated** [HQ13]. **length** [CCD12, Cha13b, HQ11b, HQF12]. **length-biased** [CCD12, Cha13b, HQ11b, HQF12]. **Level** [DRS05, DRS12, GKK15, LZ10, MT12, OAB16, SCD15, ZLK13]. **levels** [CE10, Van10a]. **Levinson** [PG18]. **life** [CCD12, SSZ12]. **Likelihood** [RL11, Sev10, SNQ12, Sus13, AHL16, AW10, BD14, CSK13, Cha13a, CQ16, CG11, CD10, CHN<sup>+</sup>18, CZ19, CIHF18, DI13, DKY12, DZ16, DPDK15, DW11, GMS11, HW14, HW17, HQF12, HR12, HWF15, HD13, JLC14, KGV17a, KGV17b, KC13, LY16, LT12a, LHC11, LLZ13, LLQ17, Lun16, LT12b, LT15, LHW19, MHS15, MY16, MT11, MRSR17, Nas14, Ogd17, OAB16, PSS17, PTK12, Pre14, QF14, SC11a, Sch13, SM10, Sta10, SOG<sup>+</sup>19, TL10, TL11, TQ12, TW14, Wad15, WQC10, WC14, XH19, YLQ17, YSPW19, ZML16, ZGL17]. **likelihood-based** [KGV17a, KGV17b, LY16, MY16]. **likelihoods** [VTH14]. **likely** [BMS13]. **limit** [KN16, YX13]. **limits** [JLD18]. **Lindley** [SHM16]. **line** [MSR16]. **linear** [ADL<sup>+</sup>13, AMW16, AMR18, BKM10, CS13, CW10, DKBB10, Dic14, DOXV11, FWT10, Fle12, GvHF11, GK10, HMMM16, JKL17, JH11b, KXYZ16, KF11, KS19, LW18b, Lei19, LL11b, LL18, LC13, MNF11, MS14, MR16b, NM11, PDV11, PTG15, RLL13, RBN10, SDW14, SFJ10, Sch13, SS14, SZ15, SW18, SHM16, SC11b, SC12, SZCY16, SZ12, WW15, WS14, YB19, ZZL14, ZCM18]. **linear-quadratic** [SDW14]. **linearity** [MZ13a]. **link** [KKG11]. **linkage** [JLD18]. **Local** [DCGO18, BDPW16, EN18, HMMM16, KXZ18, LY16, WC10, WDH17]. **Locally** [KD15, WS14, DL19b, EN18, SFJ10]. **locations** [PRD11, ZBDPJ10]. **loci** [JMW19]. **locus** [NTWY17]. **Log** [RLL13, DKBB10, JH11b, KF11, RBN10, SIL<sup>+</sup>16, WT14]. **log-Gaussian** [SIL<sup>+</sup>16, WT14]. **log-linear** [DKBB10, KF11, RBN10]. **Log-mean** [RLL13]. **Logistic** [BCRW14, SRH14, SD19, Van10b, XW11]. **logit** [KF11]. **loglikelihood** [RF10]. **longitudinal** [CZ16, CM16, Far10, FHD17, Han16, KZ13, Li11, Lin17, LT15, MRV18, TL11, TSMW15, WQC10, WWS12, XM12, XGX<sup>+</sup>16, YMC12, ZL12, ZLS19, ZK12]. **look** [CW15]. **losers** [WWY10]. **loss** [GK19, LHW19, MZ13a, WSZ12, YXCD17, ZZ14]. **loss-likelihood** [LHW19]. **Low** [JLMV19]. **Low-risk** [JLMV19]. **Luo** [DI13].

**M** [DL19b]. **M-estimation** [DL19b]. **machines** [SWZL17]. **manifolds** [BD10, EPS16, KPW13]. **Mann** [CC15]. **mappable** [MST14]. **mapping** [MB13]. **maps** [FMPP18, LSPV19]. **margin** [ZL14]. **Marginal** [CYW11, Far10, RBN10, GK10, Lun16, MT11, SR19, STL17, SD19, TWB18, XM12]. **Markov** [BR19, JW19, Mar19a, RRG19, SSC19b, AHL16, BB12, CLMX19, DH16, DPDK15, GT13, GT18, LL14, SSC19a, VFJ19]. **matched** [KC16, KSS15]. **matrices** [AGL14, AMBFL18, LFH17, LL11a, PG18, Rot12, TP17, ZLS19]. **matrix** [Bat19, BT11, CLLX13, CTP19, FP18, Fry13, MT14, MLG18, MR18, PDS11,

WW15, ZZ14]. **max** [DÉMR13, DEO16, GMS11, GPS15, Wad15].  
**max-stable** [DÉMR13, DEO16, GMS11, GPS15, Wad15]. **maxima**  
 [ET12, Wad15]. **maximal** [AM10]. **maximin** [He19, WYX18, XX17].  
**maximization** [WC14]. **maximize** [AMR12]. **Maximum**  
 [JGB15, LHC11, LLQ17, SC11a, ZML16, ZGL17, AHL16, CQ16, CYZ17,  
 DZ16, HQF12, MHS15, Nas14, PSS17, PTK12, Pre14, QF14, Ste17, XH19].  
**Mean**  
 [RF10, SSZ12, CCD12, HFQ10, HFW14, HR12, LCFL13, LJ15, MWZ18,  
 NTWY17, PS16, PC12, PS13, PW11, RLL13, Tan11, WZ10, YL16, Zha11].  
**means** [AL13, CLL18, XLWP16]. **measure** [CLNP17]. **Measurement**  
 [KP14b, WSZ12, XW11, YMC12, Yu13]. **measures** [WDM18, ZIC15].  
**Measuring** [DRS05, DRS12]. **mechanistic** [BD16]. **Median** [PSS17].  
**mediation** [DV16, FMD18]. **mediator** [DV16]. **mediator-outcome** [DV16].  
**merge** [PRS14]. **merging** [WWS12]. **meta**  
 [KGV17a, KGV17b, KTC19, LZ10, ZL15]. **meta-analysis**  
 [KGV17a, KGV17b, KTC19, LZ10, ZL15]. **meta-regression**  
 [KGV17a, KGV17b]. **metaphor** [JFH15]. **method**  
 [Hun12, JLC14, KES11, KKP16, ST17, TQ10, YK16, YMC12, ZK12].  
**methods** [AW10, CH15, CYW11, CHLM19, DH15, DL10, GKK15, HRD18,  
 HZSR15, LZ15, NT15, SM10, Sta10, SZWZ19, WQC10, WH14]. **metric**  
 [KB15, PM16]. **Metropolis** [NSF16, STL17]. **Metropolis-adjusted**  
 [NSF16]. **microbial** [CLMX19]. **microclustering** [JLD18]. **minimal**  
 [GCAIM12]. **minimax** [He17]. **minimization** [DR17]. **minimum**  
 [JH11b, SK18, ZLK13]. **minus** [ZT19]. **misclassification** [LLZA12, Van12].  
**Misclassified** [PJ16, CYW11]. **mismeasured** [BLC<sup>+</sup>17, OV13]. **missing**  
 [HW13, HP17, HFQ10, Kim11, LCFL13, MR15, MR16a, RLSR12, SR19, SZ15,  
 SW16, SRH14, Tan11, TQ12, TR11, YWD19, YMC12, ZM18, ZK12, ZIC15].  
**missingness** [Cha13a, Lin17, MT16]. **misspecification** [LGF12].  
**misspecified** [LSH12]. **mixed** [CWS15, CW10, DOXV11, GMMMV16,  
 GK10, KHG11, NM11, SZ15, SRH14, TFS19, ZZL14]. **mixed-effects**  
 [SZ15, SRH14, ZZL14]. **mixed-frequency** [TFS19]. **mixing** [FS11, Hog18].  
**mixture** [BCM16, HWF15, JH11b, MT11, MV19]. **mixtures**  
 [JH11a, LHC11, PS13, STG13]. **Möbius** [KP15]. **mode** [Hei14]. **Model**  
 [BA18, DRS05, DRS12, FS16, ZZL14, ASD19, BLC<sup>+</sup>17, BR19, CCD12,  
 CLZ12a, CM16, CW10, Cra15, CV18, DR17, EC17, Fle12, FFM14, GvHF11,  
 HW17, HQF12, HQ13, JW19, JMW19, JH11b, KMM11, KR12, KF11,  
 KHS11, LLS14, LW18b, LL11b, LC13, LLZ13, LGF12, LT12b, LT15, Mar19a,  
 MSZ11, MRV18, McE16, MV19, PR17, RL11, RRG19, SC11a, SFJ10, SSZJ10,  
 SSC19a, SSC19b, SNQ12, SZAS16, SW18, SM13, SZCY16, TRR10, TR11,  
 TS14, TMJ11, TSMW15, Wan10a, WRR17b, WK18, Woo13a, YX13, YB19,  
 ZC10, ZL12, ZIC15, ZHC19, WRR17a]. **Model-assisted** [BA18, KR12].  
**Modelling** [ET12, OAB16, TP17, XM12, CD13, DD14, FS11, KDL10, MB13,  
 MY10, OV17, PRD11, SR17, SR19, VF11, WT12, ZL12]. **models**  
 [AR10, AHL16, ADL<sup>+</sup>13, AMW16, AMR18, BD11, BDW11, BOW13, BKL15,

BKL18, BKM10, BB12, Cai10, CTP19, Cha13a, CZ16, CT10, Che15, CWS15, CNN<sup>+</sup>17, CFB17, CIHF18, CK12, CZM16, DI13, DWG14, DKBB10, DGMW18, Dic14, DOXV11, EPS16, Far11, GKK15, GMMM16, GK10, GLMZ11, HP17, HR12, HWF15, JKL17, Jia14, KF15, KZ13, KD15, KD14, KTC19, KKG11, LLZ16, LW18b, LKS19, LGLY15, LSH12, LTF13, LLXC17, LZ13, MZ15, MY16, MT11, MS14, MLG18, MRSR17, MWY13, NM11, NL13, PDV11, PB14, PTG15, PS13, PDS11, Pre16, RLD16, RLSR12, RLL13, RBN10, Sch13, Sch14, SS14, SZ15, SZAS16, SHM16, SD19, SSZ12, Tan11, TNWL16, TFS19, Van10b, VMT14, VT14, VSW14, WW15, WMGK14, Woo13b, WS14, WS15, XLV16, XW11, XM12, YL16, YZPZ13, ZCC<sup>+</sup>12, ZML16, ZGL17]. **models** [ZQ13, ZZL14, ZW15, ZCM18, ZLL18]. **moderately** [ZJBH14]. **modern** [Cox16]. **modification** [HZSR15]. **Moment** [LT15, HP17]. **Moment-type** [LT15]. **moments** [YK16, YMC12]. **monitoring** [GKBZ10, Mei10]. **monotone** [CSK13, LD14, WS10, ZK12]. **monotonic** [RCF18]. **monotonicity** [SSW15]. **Monte** [DPDK15, HJ19, LL14, LFR19, VFJ19]. **Most** [FHV10]. **Most-predictive** [FHV10]. **motion** [BDK15, OR12]. **mouse** [XLV16]. **moving** [BL10, ZL12]. **MR2158619** [DRS12]. **MR2767288** [Pal10]. **MR3034324** [Tit13a]. **MR3068442** [Tan13a]. **multi** [CQ14, LSW10, LC18, MJW12, SK18]. **multi-arm** [MJW12, SK18]. **multi-dimensional** [CQ14]. **multi-phase** [LSW10]. **multi-stage** [MJW12, SK18]. **multi-way** [LC18]. **Multicategory** [ZL14]. **multigroup** [YH18]. **multilevel** [LKS19]. **multilinear** [HWTH12, Sch14]. **Multinomial** [KF11, GCYS16, SM13]. **Multiple** [MRSR17, WMC12, BH18, CSK13, CW15, DFKO15, GMKS19, GTXR14, GLMZ11, Han16, JS12, KY17, KTC19, LCOT13, Oak16, PM19, RCF18, XLV16, YK16, ZS JL10, ZJBH14]. **multiplicative** [GKK15]. **Multiply** [CH17]. **multisample** [CQ16]. **Multiscale** [Nas14]. **multistate** [BB12, KJW12]. **Multivariate** [CZM16, GPS15, Jia14, VFJ19, ZPFW14, AG10b, BS11, CSDF10, CM16, CS13, DHW14, FP18, FG11, HHG13, KC13, LHC11, MY16, MB13, MR16b, MCWZ15, MCWZ18, PM16, Pre16, SR17, SSZJ10, Sch13, STG13, SC11b, SC12, SZCY16, TMJ11, Wad15, XCL18, ZGL17, ZM18]. **mutual** [BS19].

**naive** [Ogd17]. **natural** [TS14]. **Nearly** [KAK19, MST14, GSDK14]. **neighbourhood** [ZLZ17]. **neighbours** [ABMW14]. **Nested** [HQ11a, CR10a, JDM12, YL16]. **Network** [LSPV19, BA18, YXCD17, ZLZ17]. **network-correlated** [BA18]. **networked** [ZS16]. **networks** [CLMX19, MRV18, XCC15, ZCL14]. **noise** [CTP19, CYZ17, EN18]. **noisy** [CDHT18]. **Non** [DBP17, FS11, GL13, CV18, DL10, PS13]. **non-elliptically** [DL10]. **Non-Gaussian** [FS11, PS13]. **non-model-based** [CV18]. **Non-restarting** [GL13]. **Non-strange** [DBP17]. **nonconvex** [KK12]. **Noncrossing** [BRW10]. **nondecomposable** [VT14]. **nondifferentiable** [WO11]. **nondifferentially** [OV13]. **none** [ELZ12]. **Nonidentifiability** [VLQCB19].

**nonignorable** [Cha13a, FS16, QF14, SR19, SW16, ZM18]. **Nonlinear** [LFH17, BDW11, GMD15, Jia14, MWY13]. **Nonnested** [McE16]. **Nonparametric** [AHL16, BS19, BD10, CD13, CAW12, CQ16, CH19a, DH15, DD14, ELZ12, HSS19, HQ11b, HHC11, KD16, LCFL13, MH11, PPRS12, SSW15, VL14, ZZR10, ZW14, BCVG17, DHW14, DZ16, GD13, KXZ18, LLZ16, Li11, LF13, Lin17, PTK12, Pre14, SL14, WLT<sup>+</sup>15, WDM18, XH19, dLWR11, CH19b, Mar19b, TL19]. **nonresponse** [CH17, FS16, KKP16, QF14, SR17, SD11, ZM18]. **nonstationary** [SFJ10, ZW11, Zha11]. **norm** [CDC13]. **normal** [CZ16, Dur19]. **normality** [Li18, WO11]. **normalized** [FLP12, Zha11]. **normalizing** [KPW13]. **note** [Che15, CW10, KY17, NT15, Pal09, RLL10, YK16]. **Notice** [Ros16]. **novel** [PDV11, WSSQ17]. **nuclear** [CDC13]. **nugget** [KG13]. **Nuisance** [Cha13a]. **number** [BOW13, CWA12, EZ11, JLA18, Kon17, Mei10, RZ15, SCD15, Wan10b, YX13, ZH14].

**Oakes** [Pre16]. **Objective** [DKY12, DY10, FFM14]. **objects** [DM19]. **observation** [BKL15, BKL18, MH11]. **observation-driven** [BKL15, BKL18]. **observational** [HZSR15, KFS19, Ros10, Ros12, WC18, YD18]. **observations** [CE10, Far10, KP14a]. **observed** [BDK15, CSDF10, HWF15, PDS11, Rat13]. **occurrence** [Wad15]. **odds** [Che15, TRR10, TR11]. **off** [SIL<sup>+</sup>16]. **one** [ABMW14, JN17, Ros12]. **onwards** [Tit13a, Tit13b]. **operating** [DZ13]. **operator** [LLZ16]. **operators** [KP12, PS16, PADS14]. **Optimal** [ASD19, AMR12, BDW11, DMY17, DKBB10, DGMW18, DFKO15, MT12, Rat13, SDK<sup>+</sup>17, SCD15, YTY<sup>+</sup>16, ZM18, AG10a, CSK13, CJ11, DSB18, JH11b, KD15, SS12, WS14, ZTLD13]. **Optimality** [LLZA12, BKL15, BKL18, KK12, SM15, WM11]. **Optimizing** [RV11]. **Optimum** [Atk15]. **Order** [HWF15, DL10, HWTH12, KP12, Lun16, LL16, PML19, RF10]. **order-of-addition** [PML19]. **order-two** [HWTH12]. **ordered** [PTK12]. **ordering** [SG10, YLQ17]. **ordinal** [LS12, OV13, Van10a]. **orthogonal** [AJ13, GSDK14, HQ11a, HT13, MST14, ST17, WYX18, ZT19]. **Orthogonalization** [GCAIM12]. **other** [BCK15]. **outcome** [DV16, DVR17, ELZ12, LJ15, NCZ16, Van10b, YTY<sup>+</sup>16]. **outcomes** [BA18, DSB18, LM11, LS12, SDK<sup>+</sup>17, SZWZ19, WZR17]. **Outlier** [RZWY15, CCC10, RCZ17]. **output** [VFJ19]. **overadjustment** [RLL10]. **overdispersed** [CZI<sup>+</sup>13]. **overdispersion** [Fle12]. **overfitting** [HKM18].

**paired** [Fog18]. **pairs** [Cam15]. **pairwise** [CM16, MY16, SFG16]. **panels** [Bro19]. **paradox** [SHM16]. **Parameter** [CM10, Cha13a, Che11, KJ15, KS13a, PDS11, WDS13]. **parameterization** [MT12, RBN10, SDW14]. **parameters** [AR10, FRS16, HM10, Lun18, SD19, WH14]. **Parametric** [Kim11, CTU<sup>+</sup>10, CK12, GMMM16, ZW11]. **Pareto** [TO15]. **Partial**



[CIHF18, SKMdG16, SC11b, LLZ16, MWZ18]. **Partially**  
 [KXYZ16, BDK15, BDW11, BKM10, CSDF10, LT11, QP10, Rat13]. **Particle**  
 [NSF16, PDS11, FK13, LW18a, LW20, SLM17]. **Partition** [KHL17].  
**Partition-based** [KHL17]. **pathway** [LSR<sup>+</sup>19]. **pathways** [DPW15].  
**pattern** [Far10]. **patterns** [SW15]. **PC** [BKM10]. **PC-simple** [BKM10].  
**peaks** [dFD18]. **peaks-over-threshold** [dFD18]. **Pearson**  
 [Ald13, Sti12, XZW19]. **penalization** [CDC13]. **Penalized**  
 [BC12, KC13, LT12a, SM10, TL10, ZJC10, CKO18, KO11, KK12, WS10,  
 WVM18, YXCD17, ZZ14]. **penalty** [HSS19]. **perfect** [SM13]. **periodic**  
 [Gui19, VL14]. **periodicities** [WC10]. **permanental** [YMM12].  
**Permutation** [HSG19]. **Permutation-based** [HSG19]. **Permuting** [TX14].  
**personal** [Cox16]. **perspective** [DD18, KXZ18, PRBR18]. **perturbation**  
 [DL19a]. **phase** [FMPP17, LSW10]. **phylogenetic** [NTWY17]. **piecewise**  
 [Lei19]. **piling** [AM10]. **pioneers** [Cox16]. **Pitman** [CLNP17, Cra15].  
**pivotal** [BCW11]. **planar** [BS10, BD10]. **plane** [WK18]. **platforms**  
 [PASJS<sup>+</sup>19]. **plug** [NT15]. **plug-in** [NT15]. **plus** [CTP19, ZT19]. **point**  
 [BCRW14, DWG14, GS10, MSR16, ZX15]. **points** [FHV10]. **Pointwise**  
 [PTK12]. **Poisson** [BS10, KF11, MSR16, PRBR18, Rat13, Wan10a].  
**Poisson-compound** [Wan10a]. **Polya** [TMJ11]. **polygenic** [SAL<sup>+</sup>17].  
**polynomial** [DCGO18, WS14]. **population**  
 [AL13, BHRG13, CHLM19, CG12, JLMV19, LLQ17, MWZ18, OAB16].  
**populations** [FMPP18]. **Positive** [Rot12]. **positives** [RZ15]. **post**  
 [BCK15, CC18, HKM18, LW18b]. **post-model-selection** [LW18b].  
**post-selection** [BCK15, CC18, HKM18]. **Posterior**  
 [ADL<sup>+</sup>13, VTH14, LSD17, SM19]. **potential** [KP14a]. **power**  
 [AMR12, CSK13, HW17, KC13, QZL<sup>+</sup>15, XCL11]. **Practical** [SM13].  
**precision** [AGL14, AMBFL18, CLLX13, Cox15, MLG18, MR18, ZZ14].  
**prediction** [KS13a, MK15, PC12, YTY<sup>+</sup>16, ZCM18]. **Predictive**  
 [CLZ12b, BM14, FHV10, MT11]. **predictor** [WS14, YZPZ13]. **predictors**  
 [AMW16, DL10, FHV10, GK19]. **presence** [AZ11, Atk15, BA18, JLMV19,  
 KG13, Lin17, LLZA12, LHBD16, TWB18, VLQCB19, VL14]. **prevalence**  
 [QZL<sup>+</sup>15]. **prevalent** [CAW12]. **Principal**  
 [FMD18, NTWY17, SWZL17, HWTH12, JDM12, JLA18, LZW14, Sch14].  
**principle** [Azr19, BS11, Pal09, Pal10]. **prior**  
 [DFKO15, GD13, HX10, KJW12]. **priors**  
 [ADL<sup>+</sup>13, BDPW16, BCM16, FLP12, GB12, MK15]. **probabilistic**  
 [Pal09, Pal10]. **probabilities** [AL13, Far11, HX10, MWZ18, ZLZ17].  
**Probability** [HAW10, LHBD16, MLS13, RLL10, SD11, Sti12].  
**Probability-based** [HAW10]. **probability-weighted** [LHBD16]. **probit**  
 [Dur19]. **problem** [CQ16, Li18, YLQ17]. **problems**  
 [BL14, BCK15, CW15, CL10, CNN<sup>+</sup>17]. **procedure**  
 [LSWZ17, LCOT13, SFG16]. **procedures** [CH17, DKLP12, GTXR14, Su18].  
**process** [BDT13, BS10, CLNP17, DWG14, HD13, KRS18, KJW12, LTF13,  
 LD14, PRBR18, SZWZ19, TMJ11, YMM12]. **process-based** [SZWZ19].

**processes**

[BCRW14, CD13, CD10, CKR17, DÉMR13, DEO16, GMS11, GPS15, GS10, JH11a, MSR16, NV19, NCC<sup>+</sup>15, SIL<sup>+</sup>16, TO15, WT14, WH14, Zha11].  
**products** [KPW13, LTZ19]. **profile** [HQF12, LLZ13]. **profiled** [Wan12].  
**prognostic** [AZ11]. **programming** [BCW11]. **Projection**  
 [RCZ17, ZXLZ17, JGB15, LD14]. **Projection-based** [RCZ17]. **projective**  
 [KM12]. **prone** [MLS13]. **Propensity** [KI14, KKP16, Lee18, SW16, YD18].  
**proper** [For12]. **Properties**  
 [CR10a, CC10, CKO18, FL14, FMRR18, JS12, ZX15]. **property** [GT18].  
**proportion** [HSG19]. **Proportional**  
 [CCD12, HR12, Cha13a, CIHF18, DI13, DOXV11, LT12b, LT15].  
**proportions** [GMKS19]. **prospective** [BD14, Sta10]. **protected** [TR11].  
**Protective** [SRH14]. **proxy** [MGT18]. **Pseudo**  
 [AR10, CHLM19, STL17, FL12, HQF12]. **pseudo-additive** [FL12].  
**Pseudo-marginal** [STL17]. **Pseudo-population** [CHLM19].  
**pseudo-profile** [HQF12]. **Pseudo-score** [AR10]. **pseudolikelihood**  
 [CL10, CNN<sup>+</sup>17, ZM18]. **puzzle** [CSK13].

**Quadratic** [WWS12, SDW14, WS14, YM10]. **quantification** [ZM17].  
**Quantifying** [DW11]. **Quantile** [HV16, BRW10, Cai10, DZ13, FHH11,  
 QP10, TL11, WSZ12, WVM18, WMC12, WY15]. **Quantile-based** [HV16].  
**quantiles** [EO17]. **quantitative** [JMW19, TX14]. **quasi** [DD16].  
**quasi-sparse** [DD16].

**random**

[And16, AG10b, CLMX19, Cha13a, CDH11, DCGO18, DM19, Gui19, Hog18,  
 HP17, JL12, KAK19, LLXC17, MR15, MR16a, MT16, PM19, SSZJ10, SRH14,  
 WT14, WW15, Woo13b, XZ11, YX13, YWD19, ZL15, ZZR10, ZXLZ17].  
**random-** [And16]. **random-effects** [ZL15]. **Randomization**  
 [BFT19, DD18, SYZ10]. **randomization-based** [DD18]. **randomized**  
 [ELZ12, LM11, RV11, Ros15, VMT14]. **range** [KS13a]. **rank** [CDC13,  
 CFZ15, JN17, LLXC17, LS13, MCWZ15, MCWZ18, SC17, SLMJ14, WDM18].  
**rank-one** [JN17]. **ranks** [HHG13]. **Rao** [KB15]. **rare** [JCL13, Rob13]. **rate**  
 [GL13, HZSR15, LL18, MV19, RCWJ19, SL11, SZY11, XCL18, ZC10]. **rates**  
 [EZ11]. **ratio** [CSK13, Cha13a, CL10, Che15, CHN<sup>+</sup>18, DI13, DKY12, DW11,  
 HNLR11, HR12, KM12, LT12b, LT15, Oak16, Sch13, Sev10, SNQ12, Sus13,  
 TRR10, TR11, YLQ17, ZHC19]. **ratios** [BK16, DMY17]. **reassessment**  
 [JLC14]. **Recapture** [Far11, LLQ17, SS12]. **receiver** [DZ13]. **recipe**  
 [LW18b]. **recognition** [SW15]. **reconstructing** [YSPW19]. **record** [JLD18].  
**Recovering** [DP19]. **recovery** [BCW11, WS15, XCL11]. **rectangular**  
 [HAW10]. **recurrent** [CZI<sup>+</sup>13, LCFL13, NCC<sup>+</sup>15, WWN15, WH14, ZC10].  
**recursion** [MT11]. **Reduced** [CDC13, CFZ15, MCWZ15, MCWZ18, SC17].  
**reduced-rank** [CFZ15, MCWZ15, MCWZ18, SC17]. **reduction**  
 [CCZ15, DL10, HFQ10, HC17, Hun12, KF11, Lun18, LZG17, MZ13a, MZ15,

PSS17, SWZL17, SZWZ19, WGZX14, WYC15, XGX<sup>+</sup>16, YLW15, YZPZ13, ZWZF10]. **redundancy** [CM10]. **reflection** [Cox16, PW11]. **regimes** [ES18, LZ15, ZTLD13]. **regions** [HAW10, SM19]. **Regression** [Fog18, OV17, ZS16, Azr19, BCRW14, BDT13, BCK15, BCM16, BRW10, CC10, CDC13, CS13, CFZ15, DCGO18, DHW14, DZK<sup>+</sup>18, DZ13, Dur19, EPS16, FHH11, FFM14, Ger15, GB12, HSS19, HR12, Jia14, KRS18, KO11, KXYZ16, KN16, KGV17a, KGV17b, KTC19, LW18b, Li11, LF18a, LC13, LD14, LSFL14, LZG17, MHS15, MSBM11, MNF11, MR16b, MCWZ15, MCWZ18, MWY13, NV19, PS13, QP10, RCF18, SC11a, Sch13, SC17, SRH14, SS18, SD19, SC11b, SC12, SZCY16, Su18, SZ12, TWZ<sup>+</sup>18, TL11, TWB18, WS10, WD11, WSZ12, WMGK14, WVM18, WMC12, Woo13b, XCL18, Xio14, XW11, YM10, Yu13, ZGL17, ZJC10, ZCM18, ZIC15]. **regression-adjusted** [LF18a]. **Regression-assisted** [Fog18]. **regression-based** [LZG17]. **regular** [TX14, WC14, ZLK13]. **regularization** [FL14, KR14, RLZ10]. **regularized** [KS19, PG18]. **rejection** [RLD16]. **rejective** [Tan13a, Tan13b]. **Rejoinder** [CH19b, SSC19b]. **related** [MR15, MR16a, XX17]. **relational** [DD14]. **relative** [LZ10]. **relaxed** [HW14]. **renewal** [LTF13]. **replicability** [BH18]. **Replicates** [TNWL16]. **representation** [FLP12]. **rerandomization** [ZEM<sup>+</sup>18]. **resampling** [DBP17, JS12, LKS19]. **resampling-based** [JS12]. **residual** [CCD12, LS12, NV19, SSZ12, WVM18]. **residuals** [Lee18]. **resistant** [KP12]. **Resnick** [HD13]. **resolution** [Lin12]. **response** [AMR12, DLS15, HFQ10, HFW14, MSBM11, MR16b, SZCY16]. **response-dependent** [DLS15]. **responses** [BKL15, CYW11, Hun12, PTG15, SZ15, YMC12, BKL18]. **restarting** [GL13]. **restoration** [KP14b]. **restricted** [CD10, Tan11]. **results** [OV13]. **Retraction** [Ros16]. **retransformed** [WZ10]. **Retrospective** [BD14, Sta10]. **Retrospective-prospective** [BD14]. **reversible** [PDV11]. **richness** [Wan10a]. **right** [BB12, CCD12, HQ11b, HQ13, LZ13, SSZ12]. **right-censored** [CCD12, HQ11b, HQ13, LZ13]. **rigid** [OR12]. **Risk** [GKBZ10, CTU<sup>+</sup>10, DV14, GKK15, JLMV19, WLT<sup>+</sup>15]. **Risk-adjusted** [GKBZ10]. **risks** [LF13, MH11, SSZJ10, ZCC<sup>+</sup>12]. **Robust** [AMR18, AMBFL18, KF15, LT11, LTF13, LLXC17, MS14, SC17, VT14, ZTLD13, BHRG13, BCVG17, CH17, CR10b, DD18, FL12, JHD13, MT16, NT15, RLSR12, SBS16, Tan10, TRR10, ZZL<sup>+</sup>15, ZLL18]. **robustness** [HW13, Han16, LGF12, MRSR17]. **role** [KS13a]. **root** [BCW11, DKY12, JN17, TLT18]. **rotation** [ST17]. **Roy** [JN17]. **rule** [JS12, Sti12]. **rules** [DSB18, For12]. **run** [BMG14, JH11b].

**Saddlepoint** [KPW13]. **same** [Ros15]. **Sample** [LM11, XCL11, AL13, AMR12, BMG14, CLL18, HMMMMN16, JL12, LZW14, Li18, LS13, MWZ18, Ros15, TQ10, XLWP16, YLQ17, ZBDPJ10]. **samplers** [And16, SLM17]. **samples** [MR14]. **Sampling** [GT13, BHRG13, BCM16, BOW13, BC12, CJ11, Che11, CR10a, DLS15, FMPP17, Har12, HQF12, KS13b, KKP16, KY17, LS13, MHZ15, PRD11, RLD16, SS12, SNQ12, STL17,

SM13, Tan13a, Tan13b, WKY18, ZW12, ZW14, ZBDPJ10]. **scalable** [LSD17, Mei10]. **Scalar** [KRS18]. **Scalar-on-image** [KRS18]. **scale** [BCM16, CS13, FS11, GMKS19, SW15]. **scale-invariant** [CS13]. **Scaled** [CS13, SZ12]. **scales** [Bat19]. **scan** [And16]. **scanning** [PRBR18, SZY11]. **scarce** [KP14a]. **schemes** [Mei10]. **Score** [DLS15, AR10, EO17, HFW14, KI14, KKP16, Lee18, PDS11]. **scores** [LZW14, YD18]. **scoring** [For12]. **screening** [KHL17, LD15, MZ13b, RZ15, SLMJ14, TX14, Wan12, WY15, XZ11]. **scrutiny** [CSK13]. **search** [CG12]. **second** [DL10, KP12, Lun16]. **second-order** [DL10, KP12, Lun16]. **sectional** [MR14]. **segment** [DL19b, JCL13]. **segments** [DH16]. **selected** [Su18]. **Selection** [CWS15, AL13, AMR18, BCK15, BKM10, CC18, CG12, CV18, EC17, FS16, HKM18, HWF15, Jan14, KO11, KS19, KHS11, LW18b, LSFL14, LZ13, MJW12, MS14, MWZ18, NCZ16, PR17, PM16, SHP12, SZAS16, SZCY16, Wan10b, YZPZ13, dLWR11]. **Selective** [She17, TLT18]. **Self** [Pre14, Cai10, Zha11]. **Self-consistent** [Pre14]. **self-exciting** [Cai10]. **self-normalized** [Zha11]. **semi** [BB12]. **semi-Markov** [BB12]. **semicompeting** [ZCC<sup>+</sup>12]. **Semiparametric** [DL19b, DZK<sup>+</sup>18, FW15, HFQ10, HQ13, KSS15, KN16, MT11, QF14, SW16, SAL<sup>+</sup>17, WMGK14, ZHC19, BKN17, Che15, CNN<sup>+</sup>17, DHW14, DGMW18, Li11, LTF13, LZ13, MRV18, NL13, SSZJ10, TRR10, TS14, YZPZ13, ZC10, ZML16, ZGL17]. **sensing** [XZ11]. **sensitivity** [CW10, DV16, KB15]. **separability** [CKR17, LC18]. **sequence** [KES11, VL14]. **sequences** [ZS JL10]. **Sequential** [SL14, ZEM<sup>+</sup>18, FWT10, FMD18, RCWJ19, Su18, ZTLD13]. **Sequentially** [SR19]. **serial** [GMD15]. **series** [BKL15, BKL18, Cai10, EN18, FP18, GMD15, Jia14, LYB11, LL11b, LGLY15, MY16, MNF11, McE16, SFJ10, TFS19, ZW11]. **sets** [SCD15, ZX15]. **settings** [MSBM11]. **several** [KI14]. **shadow** [MT16]. **Shape** [KDL10, MWZ18, AW10, KM12, PB19, PW11, WH14]. **Shape-constrained** [MWZ18]. **shapes** [BD10]. **Shared** [LD15, CCC13]. **Sharp** [DV16, KCG10]. **sharpness** [Pal09, Pal10]. **Should** [Ste17]. **shrinkage** [ADL<sup>+</sup>13, BDPW16, GB12, LFH17, MK15]. **Shrinking** [MR18]. **Sieve** [MHS15]. **sign** [MT14, ZPFW14]. **sign-based** [ZPFW14]. **Signal** [CTP19, XCL11]. **Signal-plus-noise** [CTP19]. **signals** [BCW11, CPS10, JL12]. **signed** [DKY12]. **significant** [TWB18]. **signs** [BMS13]. **Simple** [HXX13, HW14, Lee18, LSD17, Tan13a, Tan13b, BKM10, Woo13b]. **simulation** [BLC<sup>+</sup>17, CH15, DÉMR13, DEO16, TO15]. **Simultaneous** [BMS13, GMKS19, JCL13, MJPK13, SHP12, GD13, HSG19, SW15, ZS JL10]. **single** [CH15, WS14]. **single-variable** [WS14]. **Singular** [MK15]. **size** [AGL14, JH11b, JLMV19, LKS19, LM11, PW11, Ros15, WH14, XCL11]. **size-and-shape** [PW11]. **sizes** [DFKO15, NM11]. **Skew** [CZ16, Dur19]. **Skew-normal** [CZ16, Dur19]. **skewed** [CZ16]. **slab** [CLNP17]. **sliced** [TWZ<sup>+</sup>18]. **slid** [HAW10]. **slid-rectangular** [HAW10]. **Small**

[DRS05, DRS12, BDG13, CG11, JHD13, PC12]. **small-area** [JHD13]. **smooth** [NV19, VL14, Woo13a]. **Smoothed** [LF13, LHC11, LLZ13]. **Smoothing** [WDS13, FWT10, MHZ15, ZLZ17]. **soft** [KRS18]. **soft-thresholded** [KRS18]. **sojourn** [BB12]. **solutions** [BL10]. **Some** [CC10, Cox16, KC16, GB12]. **Space** [ZX15, CKR17, CPB17, NTWY17, PDS11, SZAS16, XHQ11]. **Space-filling** [ZX15, XHQ11]. **space-time** [CKR17]. **Sparse** [BD11, BT11, DR17, SZCY16, ZZ14, AG13, BCW11, CPS10, DD16, Fle12, KZ13, MZY12, SM10, SZ12, SW15, TWZ<sup>+</sup>18, XCL11, YLW15]. **sparsity** [Bat19, Jan14, JL12, MP18, ZM17]. **Spatial** [EPS16, BCRW14, CZM16, CV18, FMPP18, FG11, GPS15, GS10, KMM11, MT14, RCF18, WT12, WT14]. **spatial-temporal** [KMM11]. **Spatially** [KG13]. **spatiotemporal** [FS11]. **Species** [BOW13, Wan10a]. **specific** [CTU<sup>+</sup>10, QZL<sup>+</sup>15, VT12]. **specification** [PTG15]. **Spectral** [Gui19, BVR17, KHG11, LBA19, WC10, ZZR10]. **spectral-based** [WC10]. **spectrum** [HHC11, KC13]. **spheres** [JDM12, KPW13]. **spherically** [MS14]. **sphericity** [Bro19, ZPFW14]. **spike** [CLNP17]. **spline** [CKO18, KO11, SK16, WS10]. **splines** [MHZ15, WDS13, WDH17]. **spreading** [KP14a]. **spurious** [Su18]. **Square** [BCW11, PC12, TLT18]. **Square-root** [BCW11, TLT18]. **squared** [WJL17, XZW19]. **squares** [CD10, Lee18, SKMdG16, XX17]. **stability** [SLM17]. **stabilization** [Nas14]. **stable** [DÉMR13, DEO16, GMS11, GPS15, Wad15]. **stage** [CFB17, DKLP12, Hun12, LM11, MJW12, SK18]. **standard** [Ros15]. **state** [PDS11]. **stationary** [BL10, DL19b, DWG14, EN18, LGH<sup>+</sup>14, SFJ10]. **statistic** [CL10, DKY12, DD18, Oak16]. **Statistical** [JS12, LSR<sup>+</sup>19, MP18, WH14, AR10, Cox16, XQ15]. **statisticians** [YWS15]. **Statistics** [AJ13, LZ10, LBA19, Mao18, PRBR18, Sev10, SZY11, Sti12, XZW19]. **status** [LF13, MHS15, MH11, PJ16]. **Stein** [RV16]. **step** [GTXR14]. **step-up** [GTXR14]. **stereological** [HZ11]. **stick** [FLP12]. **stick-breaking** [FLP12]. **Stiefel** [KPW13]. **Stochastic** [BD16, CE10, CWA12, BDK15, CG12, MRV18, SC11a, SG10, VTM12]. **stochastically** [PTK12]. **stopping** [JS12]. **strange** [DBP17]. **strategies** [FMPP17, SLM17]. **stratification** [CQ14, YTY<sup>+</sup>16]. **stratified** [CJ11, OV17]. **streams** [Mei10]. **strength** [ZT19]. **Strictly** [BL10]. **Strong** [HT13, HZSR15, ZT19]. **structural** [CFB17, GT18, Hog18, MZ15, PB14, TFS19, Van10b, YL16]. **structure** [DCGO18, LCOT13, NCC<sup>+</sup>15, WS15, XM12]. **structured** [TP17]. **Structuring** [GB12]. **Student** [FFM14]. **Student-** [FFM14]. **Studies** [Sti12, BH18, BD14, CSDF10, CCC13, CCZ15, DKB15, Han16, HZSR15, KFS19, KSS15, KCL13, KTC19, KCG10, LSW10, Lin17, LC18, MJW12, NCZ16, QZL<sup>+</sup>15, Ros10, Ros12, Sta10, SAL<sup>+</sup>17, WZ10, WWS12, WC18, XCL11, YD18, YMC12, ZZC17]. **study** [RV16, ZCC<sup>+</sup>12]. **studying** [Che11]. **subasymptotic** [ET12]. **subject** [CTU<sup>+</sup>10, DZK<sup>+</sup>18, KN16].

**subject-specific** [CTU<sup>+</sup>10]. **subpopulations** [RV11]. **subsampling** [TFS19].  
**subset** [Xio14]. **Sudoku** [XHQ11]. **Sudoku-based** [XHQ11]. **Sufficient**  
 [JMW19, Van10a, ZWZF10, CCZ15, HC17, LZG17, SWZL17, WGZX14, KR14].  
**sum** [CCC10, GL13, WC14]. **summary** [LZ10]. **supervised** [SHP12].  
**support** [SWZL17]. **Sure** [XZ11, Wan12]. **surrogate** [LSWZ17]. **survey**  
 [CHLM19, KS13b, KKP16, OAB16, WO11]. **surveys**  
 [CDH11, CH17, FMPP17, KR12, ZK12]. **Survival**  
 [Cha13b, BLC<sup>+</sup>17, CAW12, CO14, CH19a, CH19b, DBP17, HMMM16,  
 KC16, LM11, LLZ13, Mar19b, SLMJ14, TL19, ZW12, ZW14]. **survivor**  
 [PTK12, Pre14]. **switching** [CZI<sup>+</sup>13, ZCC<sup>+</sup>12]. **Symmetric**  
 [WDM18, MT14, MS14]. **symmetries** [MLG18]. **symmetry** [BD14].  
**Systematic** [ZBDPJ10, And16]. **systematic-scan** [And16].

**tagging** [WSSQ17]. **tags** [WSSQ17]. **tail** [JH11a]. **tail-free** [JH11a]. **tailed**  
 [FW15]. **taking** [DH15]. **Targeted** [DSB18]. **Taylor** [FWCT14].  
**temperatures** [Ste17]. **temporal** [KMM11]. **tensors** [HWTH12]. **terminal**  
 [ZC10]. **test** [BL14, BMG14, CC15, CL10, CHN<sup>+</sup>18, DD18, EN18,  
 GMMMV16, GTXR14, HHG13, Hog18, JN17, LC18, MJW12, Sch13, SG10,  
 Woo13b, XW11, XLWP16, YL16, ZLL18]. **tested** [PJ16]. **testimation**  
 [AGPS10]. **Testing** [Bro19, CYZ17, CKR17, FP18, GNRM19, GvHF11,  
 LL11b, PASJS<sup>+</sup>19, Ros12, SS14, TWB18, XCC15, ZH14, ZW11, AGL14,  
 BS19, CSK13, CW15, DKLP12, DHW14, DH15, DFKO15, GMD15, GMKS19,  
 JS12, KES11, LSPV19, LLZA12, MJPK13, PS16, PRBR18, SSW15, SYZ10,  
 WWN15, WMGK14, XCL18, ZW14]. **Tests**  
 [CO14, Sch14, AMR12, BFT19, CLL18, CR10b, DLS15, DW11, HM10,  
 HCL17, Har12, LS13, MV19, Sus13, WC10, ZLS19, ZPFW14]. **theorem**  
 [FWCT14, YX13, YWS15]. **theoretic** [BKL15, BKL18]. **Theoretical**  
 [JLD18, RV16]. **theory** [Cox16, Lun16, SYZ10, XZW19]. **Thompson** [CJ11].  
**three** [PW11, Sti12, Van10a, ZT19]. **three-dimensional** [PW11].  
**Threshold** [MSBM11, Cai10, LL11b, SC11a, dFD18]. **thresholded** [KRS18].  
**thresholding** [AGPS10, Fry13]. **thresholds** [ET12]. **throughput** [RZ15].  
**tiered** [HXX13]. **tilting** [KS16]. **Time** [HNLR11, BKL15, BKL18, Cai10,  
 CZI<sup>+</sup>13, CKR17, CPB17, DSB18, EN18, ELZ12, ES18, FP18, GKBZ10,  
 GMD15, Jia14, KC16, LYB11, LL11b, LGLY15, LLZ13, MY16, MNF11,  
 McE16, NCZ16, Pre16, SFJ10, SSZ12, TFS19, Yu13, ZW11, ZZC17].  
**Time-dependent** [HNLR11, SSZ12]. **time-to-event** [DSB18, ELZ12, Yu13].  
**time-varying** [CZI<sup>+</sup>13]. **times** [CLZ10, CLZ12b, HNLR11, MH11, Wad15].  
**token** [Hid14]. **torus** [KP15]. **total** [Ros15]. **toxicity** [SDK<sup>+</sup>17]. **trace**  
 [YXCD17, ZZ14]. **tractable** [KJ15]. **trait** [JMW19]. **trajectory** [HM12].  
**transformation** [CT10, KP15, LLXC17, LZ13, SZ15, ZML16].  
**transformation-induced** [KP15]. **transformations** [Bat19]. **Transformed**  
 [WGZX14, Hun12]. **Transforming** [RSR18]. **treatment**  
 [BCVG17, CZI<sup>+</sup>13, CH17, DSB18, DD18, ELZ12, ES18, Fog18, HC17, LZ15,  
 Lee18, LJ15, MJW12, RV11, ZCC<sup>+</sup>12, ZTLD13, ZZL<sup>+</sup>15, dLWR11].

**treatments** [Atk15]. **Tree** [LZ15, SZAS16, TMJ11]. **Tree-based** [LZ15]. **trees** [GT13, NTWY17]. **trend** [SG10, VL14]. **trends** [ZW11]. **trial** [RV11, Ros15]. **trials** [AG10a, AZ11, ELZ12, LM11, Oak16, SDK<sup>+</sup>17, SK18]. **trimmed** [YD18]. **truncated** [HQ13, VLQCB19, WZR17]. **truncation** [Cha13a, HSS19, XH19]. **Tsai** [DI13]. **twice** [Ros12]. **Two** [CLL18, DKLP12, LS13, ABMW14, AW10, Atk15, AMR12, BMG14, BH18, CFB17, EPS16, FMPP17, HWTH12, Hun12, KC16, KR12, LT11, LM11, Li18, MT12, SCD15, XLWP16, YLQ17, ZLK13, ZT19, ZXLZ17]. **two-dimensional** [AW10, EPS16]. **two-factor** [LT11]. **two-level** [MT12, SCD15, ZLK13]. **two-phase** [FMPP17]. **Two-sample** [CLL18, LS13, AMR12, BMG14, Li18, XLWP16, YLQ17]. **Two-stage** [DKLP12, CFB17, Hun12, LM11]. **Tyler** [PB19]. **type** [CC15, GvHF11, GTXR14, HM12, Hid14, KHS11, LT15]. **type-token** [Hid14]. **types** [Oak16].

**ultra** [LZW14, MZY12]. **ultra-high** [LZW14, MZY12]. **ultrahigh** [KHL17, WY15]. **ultrahigh-dimensional** [KHL17, WY15]. **Unbiased** [HJ19, LTZ19, DPDK15, STL17, SK18]. **Uncertainty** [ZM17, HKM18]. **undirected** [YX13]. **unequal** [Atk15]. **unification** [Lun16]. **Unified** [KZ13, BHRG13, Che11, Dur19, SK16, YS18]. **Uniform** [BCK15]. **Uniformly** [SK18, BMS13]. **unimodal** [KJ15]. **union** [KES11]. **univariate** [DHW14]. **unknown** [AL13, BM14, DCGO18, KKG11, MWZ18, TLT18]. **unmeasured** [DV16, MGT18]. **unnormalized** [KF15]. **unobserved** [MN19]. **updating** [LHW19]. **ups** [KI14]. **use** [CH15, SG10]. **useful** [YWS15]. **Using** [CCC13, QZL<sup>+</sup>15, BLC<sup>+</sup>17, CYZ17, DPDK15, GT13, Har12, KF15, Lee18, Lei19, LZ10, LD14, LZG17, Mao18, PS13, QF14, SR19, SFJ10, SFG16, STL17, SM13, Sus13, Van10b, YTY<sup>+</sup>16].

**validated** [MZ15]. **validation** [WWS12]. **validity** [Cam15, Ogd17, QYSW11]. **value** [BS11, BL14, CCC10, HW17, MSBM11, MK15, Ste17, WT14]. **valued** [FWCT14]. **values** [HRD18, LY16, Woo13a]. **Variability** [DRS05, DRS12, EC17]. **Variable** [BKM10, LSFL14, LZ13, NCZ16, AMR18, CFB17, CG12, Jan14, KHL17, LSWZ17, Lin12, MZ13b, MS14, MT16, PR17, RL11, SZCY16, Su18, TNWL16, WRR17a, WRR17b, WS14]. **variables** [DVR17, KD15, MGT18]. **Variance** [Dic14, LL14, LW18a, ZJDP11, BM14, CDW19, DD18, DM19, Nas14, PS13, SK18, TLT18, WO11, YB19, LW20]. **variance-mean** [PS13]. **variances** [Atk15, PB14]. **variant** [YWS15]. **variants** [JCL13]. **variation** [EZ11, LL16, WC14]. **varieties** [MT16]. **variogram** [HHC11]. **Varying** [CT10, ZW15, CLZ12a, CZI<sup>+</sup>13, KG13, KKG11, MN19, WDS13]. **Varying-coefficient** [ZW15]. **vector** [CD10, FWCT14, FRS16, GWY16, Jia14, SWZL17, TFS19]. **vector-valued** [FWCT14]. **vectors** [AG13, GCAIM12, Hog18, ZXLZ17]. **versus**

[GK19, LZ10]. **vertex** [MLG18]. **vertices** [YX13]. **via** [BCW11, BS19, CDC13, DR17, DZ16, Dur19, FL12, FP18, Fry13, Gui19, HSS19, HFW14, KRS18, KF11, LSPV19, MHZ15, Nas14, TLT18, WW15, Wan10b, WC14, YXCD17, ZCC<sup>+</sup>12, ZZ14]. **view** [SBS16]. **virtual** [CE10]. **visualization** [HLM12]. **volatility** [Fry13, KXZ18]. **Volume** [Ano13b, Ano14b, Ano15b, Tit13a, Tit13b]. **volumes** [HZ11]. **Voronoi** [BS10].

**Warped** [Ger15]. **Wasserstein** [PM19]. **wavelet** [AGPS10, EN18, SFJ10]. **wavelets** [Fry13]. **way** [LC18]. **weak** [LC18, ZLK13]. **weight** [ZZL14]. **Weighted** [CD10, EC17, For12, GS10, LHBD16, QYSW11, RLL10, SWZL17, SL14, SM15, WM11]. **Weighting** [KS13b, MLS13, SW16, SD11, Tan10, YS18]. **weights** [YS18]. **weird** [DBP17]. **which** [RV11]. **white** [CYZ17, EN18]. **Whitney** [CC15]. **Whitney-type** [CC15]. **Whittle** [KC13, SOG<sup>+</sup>19]. **Wicksell** [CQ16]. **wide** [DKLP12, XCL11]. **Wilcoxon** [CC15]. **Wild** [FHH11, WVM18]. **win** [Oak16]. **win-ratio** [Oak16]. **Within** [LKS19]. **Within-cluster** [LKS19]. **without** [Cha13b, SZAS16].

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