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## Title word cross-reference

(*m*) [KNN05]. 2 [MBGO11].  $2 \times 2$   
[HVRA96]. 3 [Dri08, LTW<sup>+</sup>10].  $[0, 1]^d$   
[WC94].  $\mathbb{1}$  [NST12].  $\mathcal{R}$  [JKD92].  $\delta^{18}O$   
[RL14].  $\ell_1$  [Kat10, Yua08].  $F$  [Mul98].  $G$   
[LD11, FN16].  $H$  [HPOL14].  $H_0$  [Mul98].  $K$   
[MSS08, Gho07, MR10, YK09].  $L_0$   
[Joh13, LW07].  $l_1$  [SMB14, LZ08, LW07].  $n$   
[HY17, OR99, Paa99].  $P$   
[BCH05, HY17, HB98, NP01].  $\psi$  [LSD05].  
 $Q - Q$  [LFZ97].  $R$  [MC18].  $R^2$  [GSP<sup>+</sup>06].  $\rho$   
[VT94].  $R \times C$  [Fri00, LPM98, VT94].  $S$   
[CCS03, SBY06, VT94].  $\sigma$  [FW13, LFT17].  $t$   
[GB02, PLW01, Som98, Tsi02].  $T_3$  [GB00].  $\tau$   
[SBWZ08].  $U$  [WDB96].  $X$  [XMY13].  $Y$   
[XMY13].

-Fold [YK09]. -Learning [LSD05].  
-Likelihood [HPOL14]. -mean-directions  
[MR10]. -Means [MSS08]. -Net [CCS03].  
-Norm [LZ08]. -Penalization [SMB14].  
-Penalized [NST12]. -Priors [FN16].  
-Regression [SBY06]. -Segmentation  
[Joh13]. -Stable [FW13, LFT17]. -statistics  
[WDB96]. -value [HB98]. -Vines [MC18].  
-Way [Paa99]. -Wishart [LD11].  
**1** [Bak92a]. **15** [Ano12b].  
**20** [Goo11].  
**40** [Goo11]. **45** [Goo11].  
**‘50** [HJ17]. **523** [Ano12b]. **526** [OLN11a].

**ABC** [NFMS14]. **Aberrant** [MM09].  
**Abrupt** [NST12]. **Accelerated** [KLH05, ZL16]. **Accelerating** [HHC03].  
**acceleration** [GS94]. **Accept** [CR98].  
**Accept-Reject** [CR98]. **Acceptance** [QTVK18, SGH17, Tan06].  
**Acceptance-Rejection** [Tan06]. **Access** [SH03]. **Accompaniment** [Rap01].  
**Accounting** [HDM02, ZHJ16]. **Accurate** [CJ02, HAC<sup>+</sup>12, WK17]. **Acoustic** [BMO01]. **Activity** [FCL10].  
**Activity-Event** [FCL10]. **Acyclic** [KB08].  
**Adaptation** [BCD11, GMTK13]. **Adaptive** [Ano08a, BMC05, Bil00, BJMD13, BK05, CKNK06, CGL11, CRC<sup>+</sup>07, CMJ11, DZ99, Efr05, EHW03, EH09, FT16, GK97, Gho07, GK10, GT11, Gou98, Gri99, HT17, JS13, KSM14, KCK08, LGS13, LAJ13, LSV<sup>+</sup>09, LW09, LO16, MMV13, MS03, NW10, Oeh98, PTP03, PC06, Pit02, RR09, SGH17, SW18, SBR10, WB18a, WC06, WKC<sup>+</sup>08, WCR13, Zha97, ZJA16]. **Adaptively** [WL13a].  
**Addendum** [Ano12b]. **Addition** [OSR<sup>+</sup>18].  
**Additional** [SBE17]. **Additive** [BHK15, DCV10, EM02, FM12, GKZ10, KLH99, KSM<sup>+</sup>18, LBCG16, MMRMGMGC08, MHS<sup>+</sup>14, MH17, OR99, Ops04, PWS16, PCG<sup>+</sup>14, SSG15, ST99, TL07, UKZ18, VN18, WYL14]. **Adjusted** [BFM18, CVA08, DG14, DIR02, Tan17].  
**Adjustment** [RF17a, Sha14].  
**Adjustments** [SS11]. **ADMM** [RT16, Zhu17]. **Advanced** [LYG<sup>+</sup>10].  
**Advances** [EH15]. **Affine** [KO05]. **AFT** [HJ04]. **After** [Hub99]. **Again** [HV17].  
**Against** [PRS11, SŠS07]. **Age** [SH17].  
**Age-Specific** [SH17]. **Agglomerative** [Hea11]. **Aggregate** [OSR<sup>+</sup>18, Par11].  
**Aggregated** [GY07, Pro06]. **Ahead** [Hic17].  
**Aided** [HIT99]. **Aids** [TN14b]. **Airline** [Wic11c]. **Airports** [Wic11a]. **Akaike** [ST99]. **Algorithm** [AB17, ACG14, AT16, BCH09, BL04, BJMD13, CB01, Cap11, CCFM01, Che07a, CC18, CM08, DASR08, DH10, DZFZ18, DMP14, ER04, FSB11, Fea04, FM10, FH15, FN04, GJ97, Glu00, Hob08, Hoe10, HGK10, HRV12, HL00, HB16, JK00, Jan06, JL13, Joh13, Jon98, KB08, KPC02, KKK08, LW08, LC01, LF16, LD06, LLZ09, Maa05, MR10, MM09, Mey03, MMV13, MR01, Mül99, NG04, OT11, PKH15, Pan99b, PW15, Pie04, RL14, SBY06, SZ08, SMB14, Smy02, TMvD18, VM04, VG01, Wan18, WH98, XGTB18, YZ13, YH17, YSD13, YZ06, YLW17, ZNYJ14, ZL16, Zho05, ZL13, Zhu17, Bak92a, Bak92b, QE96]. **Algorithms** [Béd08, BF02, BDR97, Cai99, CZ16, GKZ18, GK06, GV01, GJR05, HMP96, HLH06, HHH12, JO02, KA13, LMST18, LGS09, LB15, MM10, OSR<sup>+</sup>18, PLW01, PC06, Pit02, RT16, Tan15, Tar99, Van00, XBW15, XCSP16, Yu12, ZJ04, ZC15, ZL10, dVTP<sup>+</sup>17, vlm97, AE92, BQS94, KMOS92, SBEG94].  
**Alignment** [RG09]. **All-Pairwise** [Pie04].  
**Allocation** [BP98, LF16].  
**Allocation-Based** [LF16]. **Allocations** [PI10]. **Allowing** [MC18, NST12].  
**Alternating** [CHW08, ZYZ10].  
**Alternative** [EM18, Fos01, JU00].  
**Alternatives** [SŠS07, Tuk93b, Tuk93a].  
**Always** [PLIK02]. **AMlet** [ST04]. **Among** [HM11, Hob01b]. **Amplitude** [ZKS18].  
**Analyses** [GL07, MBS04, PCP11].  
**Analysis** [ACG14, BZ07, BRS<sup>+</sup>08, BK03a, BZ97, Buj04, CRGS17, CCHS08, CZSL10, CH99, DH03b, EH17, Fal99, FG05, Far99, Far12, FS99, Fie12, GVBM04, GEGM03, Gel04a, Gel04b, GD09, Glu00, GR12b, GM99, GJL<sup>+</sup>10, GAZ15, HLH15, HT17, HM15, HV05, Hob08, HM16, HLZH05, Hub00, IKL08, Jör09, Koo98, LW08, LRB12, LW09, LPS99, LSH16, LO16, LP14, LH00, MS18a, MHH15, MAJ<sup>+</sup>98, MM09, MVR02, MDD<sup>+</sup>12, NP01, NYC15, NW10, NAB16, NFMS14, NBH<sup>+</sup>15, OC01, Paa99, PI10, PLH10, Par11, PL12, PTP03, QLCZ15, QN00, RA01,

- RDL07, RT98, STM15, SJH<sup>+</sup>15, Sco99, SS01, SSB<sup>+</sup>14, Smi01, SC98, Tan15, Tan17, Tre06, TU11, TN14b, WH17, WCDS03, YBDS02, YLM17, Zha97, ZYKC08, ZP14, ZH03, ZCY<sup>+</sup>11, ZHT06, dLM04, MW96].
- Analytic** [Ano06a, KGMT06]. **Analytical** [YT99]. **Analyzing** [HMP96, Mci99, OFR<sup>+</sup>18, VG01].
- Ancillarity** [HR11, YM11b]. **Angle** [Gra13, HK10, XWZ15, ZLWZ16].
- Angle-Based** [ZLWZ16]. **Angular** [RIC<sup>+</sup>16]. **Animation** [Far04]. **Animations** [LTW<sup>+</sup>10]. **Anisotropic** [BMR15].
- Annealed** [KA13]. **Annealing** [CW00, Glu04, IP04]. **Annotation** [MI00].
- Anomalous** [LCSL14, SMN15]. **ANOVA** [GW93, Hoo07, QG06]. **Anthrax** [LBM<sup>+</sup>14].
- Antithetic** [HJ09]. **Application** [Ano07a, AG18, BK05, DASR08, DXL12, EH15, Fea04, Fea05, FHWV03, GVBM04, GM15, GJ09, Glu04, Gol09, GRM09, HMW06, JYYZ18, Koo98, LYHM15, LBM<sup>+</sup>14, Lia07, MC05, RHC<sup>+</sup>14, RL14, Rya03, SH17, SM13, TNKK16, XP07, YL99, ZRL14, ZL16, Zhu17, WDB96].
- Applications** [Hof09, HHTB10, Ish99, Jör09, KS08, LPS99, MPR<sup>+</sup>12, MMN<sup>+</sup>13, Mey03, NP01, NYC15, PvD09, QN00, RRH18, RW10, Wan18, WIR01, Wu08, ZCI<sup>+</sup>17, JKD92, LS93].
- Applying** [LL15]. **Approach** [ACS17, ABvS09, BCD11, BEGS17, BDR97, BR02, CS98, CAR<sup>+</sup>10, CH16, CH99, EM18, GD16, GK02, GY07, GKZ10, GH18, GB12, HYL<sup>+</sup>17, KK09, KGM18, LSV<sup>+</sup>09, LGL16, MVR02, MI00, NM98, Par01, Par05, PP09, PRHP14, RA01, SS01, SL99, SSBW17, SW18, TZ12, Tre06, WW12, YNH18, ZHZ12, ZJA16, ZF18]. **Approaches** [KS04, XW18, ZCO15]. **Appropriateness** [Zha03]. **Approximate** [Ano06a, Bra99, GX01, GF17, HM16, IJ02, KGMT06, NFMS14, OW12, Pic14, RNHY12, RS01, SG17, TA12]. **Approximating** [Bor11, CB01]. **Approximation** [BRS<sup>+</sup>08, BRS12, BBvdW16, CKHG15, CJ02, CHW08, CF05, Fea04, GJ09, GA15, HS18, HB16, Jan06, JL13, MPR<sup>+</sup>12, Mul98, NTVK12, ONS18, RYY00, RF17b, SY07, TN14a, ZBY09]. **Approximations** [Bor11, HLL07, HWO<sup>+</sup>17, HK98, KSM14, NFM16, SLBV18, Hes95, RO94].
- Approximator** [Hoe10]. **Arbitrarily** [KLH05, Zho05]. **Arbitrary** [EM07, OLN11a, OLN11b]. **Architecture** [YVMFB03]. **ArcView** [SCLK<sup>+</sup>00]. **Area** [GGvdV10]. **Areal** [Hug15, VF09]. **Areas** [JWH16]. **Argumentation** [Hig01, Hob01a, HJT01, Lev01, Liu01, MG01, VM01, WZ01]. **ARMA** [dLG01]. **Arms** [PRS11].
- Arranging** [Mur99]. **Array** [LVH17].
- Arrays** [MM14]. **Arrows** [PRS11]. **Art** [Hig01, Hob01a, HJT01, Lev01, Liu01, MG01, VM01, WZ01]. **Artificial** [PI10].
- ASA** [Wic11b]. **ASIS** [HR11, YM11b].
- Aspects** [CRL13, JMY<sup>+</sup>16, LD11, LPS99, QN00, EGO92, Tuk93a, Tuk93b]. **Assessing** [Laz05, PMB12, RHM18, TSH16, YKZ18].
- Assessment** [BGP03, FBG06, KM03, QM04, SK10, SG17, ZJRI10, ZCI<sup>+</sup>17].
- Assignment** [MR01]. **Assimilation** [LPS99]. **Assisted** [GdTv96]. **Association** [KNN05, MLP07]. **Assumptions** [WW12].
- Asymmetric** [Hen04, LO16, LL15, RB02].
- Asymptotic** [BF02, Tho93]. **Asymptotics** [BB03, BO05, SR12]. **Atmospheric** [LPS99]. **Attracting** [TMvD18]. **Auctions** [SJ05]. **Augmentation** [FCWM17, Kel11, PKH15, PRS13, RDL07, Wu11].
- Augmentations** [XMY13]. **Augmented** [Zhu17]. **author** [Tuk93a]. **authors** [FB94].
- Autocorrelation** [CP16]. **Autocovariance** [LPHK16]. **Autologistic** [FP04, MPR<sup>+</sup>12, ZZ08]. **Automated** [TGHL14]. **Automatic** [All13, BJMD13, HMJ11, Rap01, SAT04, Ska02, ZJA16].
- Autoregressive** [DZZ16, MT03, MC05, VM04, WRK11].

- Auxiliary** [FDBS10, PL12, TüC08, TW96].  
**Averages** [HCB04, Moc98]. **Averaging** [CGL11, YKW03, YSK<sup>+</sup>10].
- B** [FB94, ERPG11]. **B-Spline** [ERPG11].  
**Baccalaureate** [MHB17]. **Backfitting** [OR99, Ops04]. **Backscoring** [Far12].  
**Backward** [PRHP14, WC06]. **Baddeley** [FR97]. **Bagplots** [HS10]. **BAMLSS** [UKZ18]. **Band** [BMR15]. **Bands** [DJ04, Hut02, LJZD05, LS97, RW99, HO93].  
**Bandwidth** [GG17, Her97, MMRMGMC08, Ops04].  
**Bartlett** [Mul98]. **Barycenters** [LZ18].  
**Based** [ACG14, BCD11, Big06, BH02, CHW02, CGEMIR18, CHW08, Chr04, De 05, DCV10, ERPG11, EH09, FRW05, GR12b, GG17, GH18, HSM09, HK10, HHKS11, HHH12, HB16, IW10, JRS11, JTU03, JO02, KK09, KKK08, LG07, LL12, Li05, LF16, LZ18, LJZD05, LD06, LS97, MB18, Mey18, MRCM18, NGH17, OR07, PI10, PP05, Pie04, Pos01, SH03, Smi01, SHL12, TG13, VM04, Wil96, XBW15, YK09, ZMH07, ZHH08, ZJRI10, ZLWZ16, ZOR12, ZRL14, ZCO15, ZW10, dLG01, CBC93, FS18].  
**Bases** [Dob12, Fos01]. **Basic** [Tan15]. **Basis** [BRS<sup>+</sup>08, HLL07]. **Bayes** [DH10, Fri13a, Ho06, KDM16, MPR<sup>+</sup>12, NFMS14, SL99, SS05, TNKK16, TNK17, WR05]. **Bayesian** [Ano08a, AVW13, BMC05, BC16, BRB17, Bil00, BRS<sup>+</sup>08, BFM18, BHK15, BZ97, BHF02, BK03b, CD12, CS99, CCYW16, CRL13, CGL11, CGR06, CYS09, CRC<sup>+</sup>07, CM13, DV04, De 05, DK18, DGM17, DH03b, DMP14, DCS16, EH05, Eve12, EB02, FDBS10, FK16, FPRW09, FR97, GD16, GK02, GD09, GHC14, Gol09, GM18, GW93, GQD18, HAC<sup>+</sup>12, HJ04, Hil11, HMN<sup>+</sup>03, HRM02, HDRM05, Ish99, JS13, JKD92, KFSL17, KNN05, KO05, KSM14, KMQ05, LGS09, LGS13, LB04, LG07, Len03, LF16, LS05, LHK17, MP16, MWFSG17, MVR14, MMN<sup>+</sup>13, MW15, MKK18, MV98, MQ17, NW10, NG04, NL04, NFMS14, PI10, Par01, PVH05, Par11, PL12, Pic14, PCG<sup>+</sup>14, PDLN18, QN00, QM04, RF17a, RW14, RL14, RT98, SMS<sup>+</sup>14, SG03, Sco99, SR00, SR12, SG17]. **Bayesian** [SBJ17, SM13, SL10, SSL17, TDM12, TH09, TRWB16, Tsi02, TüC08, UKZ18, WW12, Wan08, WD11, WRK11, WTW07, XCSP16, YK01, YKW03, ZBB06, ZCI<sup>+</sup>17, ZICT12].  
**Be** [YM11a]. **Beat** [VH17]. **Beautiful** [BY18]. **Becker** [Tuk93a]. **Before** [HV17].  
**Behavior** [Dia99, Par11]. **Behind** [SCLK<sup>+</sup>00]. **Belief** [MMA97]. **Benchmark** [GMP04, HLZH05]. **Best** [GK06, KPC02, Mül99]. **Best-Subset** [GK06]. **BET** [DCS16]. **Beta** [DW01, EB02, MS18a]. **Beta-Binomial** [EB02, MS18a]. **Better** [Bri11, FK11, Gel11a, Gel11b, Wai11, Wil11].  
**Between** [BM99, God01]. **Beyond** [UKZ18].  
**Biadditive** [dR07]. **Bias** [Fri13b, Len09, SZ08]. **Biclustering** [MM14, TW14]. **Big** [BW17, SSBW17].  
**Binary** [ADY10, BRB17, FPRW09, MN97, MM09, QN00, QM04, SS06, TA12, TG13, WKC<sup>+</sup>08, YK01]. **Bingham** [Hof09].  
**Binomial** [BHF02, EB02, MS18a, AC95].  
**Biological** [FCL10, Mic12]. **Biplot** [CGL13]. **Biplots** [GGvdV10, Gre13].  
**Bivariate** [AG05, BL04, GMC02, Gu15, HMS97, KL03, Koo98, LGL16, Maa05, Mül99, WH98, MS93].  
**Black** [CS98, GKB15]. **Black-Box** [CS98].  
**Block** [BR02, CC13, DV04, DBS06, ESR<sup>+</sup>14, PKH15, RW10, TH09]. **Blocks** [LBM<sup>+</sup>14]. **Blockwise** [Efr05]. **Board** [Ano12a, Ano15a, Ano16b, Ano17a, Ano18b, Ano13b, Ano14b]. **Boosted** [WH14].  
**Boosting** [ADY10, BMW17, CKPT04, CMJ11, HR11, HHKS11, LB06, TG10, TG13, Wan13, Wan18, YM11b]. **Bootstrap** [BP98, CC13, DW02, Hut02, KLH99, KS04, LL11, MMRMGMC08, TK99, Hes95].  
**Bootstrapping** [KO09, Pan99a]. **Both**

- [SQ07]. **Bound** [GK06, SR00]. **Boundaries** [FKH07, MB18]. **Bounds** [Coz99]. **Box** [CS98, GKB15]. **Boxplot** [BC00]. **Boxplots** [HWK17, HS10, RMR<sup>+</sup>17, SG11]. **Bradley** [CD12]. **Brain** [Dri08, RHC<sup>+</sup>14, SSL<sup>+</sup>16]. **Branch** [GK06]. **Branch-and-Bound** [GK06]. **Bridge** [Fu98, MS02]. **Brief** [Fie12, Fri02, Lev12, Lev13b]. **Brownian** [BMR15, Ste02]. **Brunelleschi** [GVBM04]. **Building** [HABV06]. **Bump** [DR10, HH01]. **Bumping** [TK99]. **Bumpy** [MMW98].
- C** [HLH15]. **C-MPPCA** [HLH15]. **Calculating** [BPW93]. **Calculation** [BCH05, Coz99]. **Calculations** [TA12]. **Calibration** [BRS<sup>+</sup>08, TSH16]. **Can** [MMO01, Zhe17]. **Cancelations** [Wic11c]. **Canceled** [HCK<sup>+</sup>11]. **Cancer** [ZCI<sup>+</sup>17]. **Capture** [BBLG13]. **Capture-Recapture** [BBLG13]. **Cards** [LYG<sup>+</sup>10]. **Care** [VH15]. **Carlo** [Ano07a, LC01, BGD16, BP98, Bro06, CB01, Can99, CGMR04, CS99, CF05, Chr04, CRS06, DG14, DH03b, DBS06, DMP14, FBG06, FKH07, Fea02, Fea05, Fis12, FWR12, GS94, Gey95, GVDP99, God01, GF16, GLW07, GR08, Gra07, GMP04, GJR05, HT17, Hel04, Hob08, HLH06, HK98, Ish99, JN04, JB03, JS13, JO02, Kit96, LGS13, LSSG15, LYG<sup>+</sup>10, Lia07, LJN<sup>+</sup>17, MP00, MN97, ML08, PP14, PCP11, SNR17, SS06, Spa05, Tan06, Tan15, WJG11, XBW15, YSDJ15, YT99, ZC15, ZZ08, ZJA16, dV08]. **Carlo-Adjusted** [DG14]. **Carlo-Based** [XBW15]. **Carlson** [JKD92]. **Carr** [FB94]. **CART** [WTW07]. **Cartography** [WS02b]. **CARTscans** [NEL04]. **Case** [BZ97, HK17, RNHY12, SSL<sup>+</sup>16, XNN16, ZICT12]. **Case-Control** [RNHY12]. **Case-Specific** [XNN16]. **Casting** [CSS<sup>+</sup>09]. **Cataloging** [FS99]. **Categorical** [ACC18, FB11, Fri99, LG03, SS01, TS13, Bak92a, Bak92b]. **Causal** [Hil11]. **cDNA** [YBDS02]. **Censored** [AB17, BL04, CGL13, De 05, GV01, HJ04, KLH05, LS05, Maa05, Pan99b, VL09, YNH18, ZJ04, Zho05, ZZL18, AE92]. **Censored-Data** [GV01]. **Censored/Truncated** [Zho05]. **Center** [HR11, YM11b]. **Central** [Ano06a, KGMT06, PSY09]. **certain** [MS93]. **Chain** [CB01, Can99, CS98, Fea02, Fis12, FWR12, GVDP99, God01, GF16, GR08, JS13, JO02, JV01, LSSG15, MP00, MN97, ML08, Owe17, SNR17, Tan15, YT99, dV08, Bro06, CF05, CRS06, GS94, Gey95, Gra07, GMP04, GJR05, Hob08, HLH06, JN04, SS06, ZZ08]. **Chains** [Gué03, HC98, MB04, TDH15]. **Challenge** [EFG<sup>+</sup>99]. **Challenges** [Fie12, Goo11, KP03, Mic12]. **Change** [CR08, MW04, RL14]. **Change-Points** [CR08]. **Changepoint** [HEF17, HT17, YSD13]. **Changepoints** [YK01]. **Changes** [MW04, NST12]. **Changing** [Gri99]. **Characteristics** [MBM18]. **Characterization** [ABvS09]. **Characterizing** [MS93, RMR<sup>+</sup>17, ZH17]. **Chart** [SSP<sup>+</sup>18]. **Cheaper** [SD03]. **Checking** [Par01]. **Chernoff** [GW01]. **Child** [ZJRI10]. **Choice** [FH15, Gho07, Her97, LHC17, Par11, PW14]. **Choices** [CCHM18]. **Cholesky** [Smi01]. **Chosen** [Ros12]. **Circulant** [CP18, GF17, HPA14, HKP16]. **Circus** [BW17]. **Class** [DH10, JHL09, KGM18, MHS11, SAT04, WP13, ZW10]. **Classes** [SSP<sup>+</sup>18]. **Classification** [ADY10, BMO01, BOW02, CS14, DG05, FHVW03, FR97, GTZH16, Gho07, GAZ15, Hen04, KL03, KM03, LGS09, LCKL05, SZ08, Vel08, WR05, Wan13, Wu08]. **Classifiers** [WL13a]. **Cleveland** [Tuk93a]. **Clinical** [HS08, WC06, ZCI<sup>+</sup>17]. **Closed** [SY07]. **Closed-Form** [SY07]. **Cloud** [LZ18, MGL18]. **Cluster** [ACG14, Cai99, Glu00, Jör09, LCSL14, LFS<sup>+</sup>17, SN10, TW05]. **Clustered** [CC13, GM15, LRBS03]. **Clusteredness**

- [RHM18]. **Clustering** [ACC18, BCDL17, BRC<sup>+</sup>10, BT18, BK03a, CGEMIR18, CH12, CL15, DCS16, FRW05, GR12a, GLW07, HH11, Hea11, HLYM15, Hur04, HB16, LG07, LL12, Li05, MR10, MM10, MJ18, Mel16, ML08, MQ15, MSS08, MW14, OR07, Pos01, PM16, SS12, WZSF18, XP07].
- Clustering-by-Segmentation** [BCDL17].
- Clusters** [DKH06, DCT08, FSMV02, FRW05, Kou14, VH17].
- Clutter** [MLP07].
- Co** [MDC17].
- Co-Sparse** [MDC17].
- Coding** [Hes98, JH98].
- Coefficient** [AGV12, DXL12, WH14].
- Coefficients** [CDFB11].
- Cokriging** [HCB04].
- Collaborators** [Ano96a, Ano97a, Ano98a, Ano00, Ano03a, Ano06b, Ano07b, Ano08b, Ano09a, Ano10a, Ano11a, Ano13a, Ano14a, Ano15b, Ano16c, Ano17b].
- Collapse** [SR00].
- Collapsed** [MJVB18, PvD09, VJ15].
- Column** [HM16].
- Column-Sampling** [HM16].
- COM** [Tie00].
- Combination** [LW07].
- Combinatorial** [MVR02].
- Combining** [BRC<sup>+</sup>10, DCV10, EH17, PP07].
- Comment** [Bri11, FK11, Fri14, HR11, Kel11, Kos13, McC99, Mur13, Pen17, Wai11, Wil11].
- comments** [Tuk93a, Tuk93b].
- Common** [IKL08].
- Communities** [SYF17].
- Comparative** [PCP11].
- Comparing** [TZ12].
- Comparison** [GB02, GB00, GB04, HH06a, KS04, PHK14, SS05, SY07, YBDS02, ZJA16].
- Comparisons** [HN98, Pie04, Tan15, Tuk93a, Tuk93b].
- Compatibility** [HC98].
- Competing** [KK09].
- Complex** [BY18, Buj04, CP18, CYS09, EM18, Gel04a, Gel04b, GW15, SH97, SHMD<sup>+</sup>14].
- Complex-Valued** [CP18].
- Complexity** [ES02, FKLW08].
- Component** [CRGS17, CCFM01, Fal99, GJL<sup>+</sup>10, GAZ15, HLH15, JU00, JTU03, LRB12, LW09, LSH16, LO16, WH17, ZP14, ZCY<sup>+</sup>11, ZHT06, GW93].
- Component-Wise** [CCFM01, GW93].
- Components** [BRC<sup>+</sup>10, Dan97, GCKP08, HM11, HM16, JU00, MHH15, Mel16, Par05, PP09, YKZ18].
- Composite** [BCDL17, CHG16, ESR<sup>+</sup>14, LO16].
- Composition** [FQH16].
- Compound** [QYZ16].
- Compressing** [Bra02].
- Comput.** [Bak92a].
- Computation** [CDP04, Cli05, DGM17, GKT18, GB02, GD09, GG17, HAC<sup>+</sup>12, HHC03, JRS11, JKD92, KTS17, LH02, Mar10, NFMS14, Pic14, RDZ10, SG17, Smi05, Som98, Spa05, SWC<sup>+</sup>10, TW96, Yua08, BG92, Wan94].
- Computational** [Ano06a, Ano07a, Ano08a, Ano12b, CH12, CRL13, CPV03, GK02, GV01, HKS12, JMY<sup>+</sup>16, KGMT06, LD11, LPS99, NFM16, OLN11a, QN00, RT98, SY02, Wat11].
- Computationally** [BRS<sup>+</sup>08, BRS11, BRS12, GH18, HEF17, KLH99, SS16, ZZL18].
- Computations** [FCL10, HB98, WFS11].
- Compute** [LSV<sup>+</sup>09, SD03, SH97].
- Computer** [Dri08, GA15, GdTv96, HIT99, JV01, PW14, WL02, ZLR18].
- Computer-Aided** [HIT99].
- Computer-Assisted** [GdTv96].
- Computers** [Šev04].
- Computing** [BGD16, FCL10, GDS02, GK06, GI00b, GW01, IJ02, JO02, Lan00, LS05, Mü99, NP01, RTL07, SS05, SRE06, YZ13, YZ06, Bak92a, Bak92b].
- Concave** [GT11, Tad17].
- Concave-Convex** [GT11].
- Concavity** [ES98].
- Concept** [LZ18, YSK<sup>+</sup>10].
- concepts** [MS93].
- Concurvity** [GKZ10].
- Conditional** [BCH05, Bra99, CB01, Che07b, CDFB11, EC17, FN16, Fri99, GKB15, GQD18, Hes98, HBG96, IL16, JO02, Mey18, MS18b, MW14, WW12, ZMH07, vLM97].
- Conditional-Potts** [MW14].
- Conditionally** [DZZ06, SMS<sup>+</sup>14].
- Conditioning** [Gey95].
- Conditions** [TRWB16].
- Confidence** [CDP04, DJ04, GJ09, GB12, Hut02, JWH16, KLH99, KHM05, KS04, Kwo98, LJZD05,

LS97, MS18b, RO94, GW93, HO93]. **Confident** [Ros93]. **Configurations** [RG09]. **Confounded** [LH15c]. **Conjugate** [KN97, LB06]. **Connected** [ZC15]. **Connecting** [Tie00]. **Connectivity** [SMN15]. **Conquer** [BCD11, LJN<sup>+</sup>17]. **Consensus** [XP07]. **Consider** [Kos13]. **Consistency** [Tar99, KMOS92]. **Consistent** [HCG02, OR99, SBZ13]. **Constant** [GN17, Lee02, WLZB07, ZF18]. **Constants** [SRE06, dV08]. **Constrained** [CDP04, CGEMIR18, CT01, GKZ18, GM15, GBW17, Hof00, LJZD05, PA14, TRWB16, ZL13]. **Constraint** [HHGG01, Wil96]. **Constraint-Based** [Wil96]. **Constraints** [BH01, CGH99, HP99, LL15, LWZ14, OC01, Ros17, SMN15, WDB96]. **Constructing** [HM02]. **Constructions** [VN18]. **Contaminated** [PM16]. **Contamination** [SK10]. **Contingency** [EC17, Fis12, Fri00, HM02, LPM98, VT94]. **Continuous** [Big06, BHS00, Lia07, Zha07]. **Contour** [BL17, Lia07]. **Contrast** [Mül99]. **Contrasts** [HH06a]. **Contribution** [Gre13]. **Control** [BCS96, BGLM18, GPR99, LX16, LR04, RNHY12]. **Controls** [CB97, MR01]. **Conventional** [QS09]. **Convergence** [BF02, BDR97, BG98, BGP03, Can99, GVDP99, PMB12, RS01, TH09, VS17, AE92, SC92]. **Convex** [BGLM18, CL15, Coz99, GT11, HWS16, HKP16, Jon98, Mül99, Pan99b, Som98, WZSF18, AE92]. **ConvexLAR** [XWZ15]. **Convolution** [ZW10]. **Convolution-Based** [ZW10]. **Convolutions** [LCSL14]. **Cook** [Gel17]. **Coordinate** [LPJ13, Mou09, PW15, YH17, ZYKC08]. **Coordinates** [Far12, RMWH17]. **copCAR** [Hug15]. **Copula** [BC16, Gu15, MD13, TGM<sup>+</sup>14, VN18]. **Copula-Type** [TGM<sup>+</sup>14]. **Copulas** [AG05]. **Cordillera** [RHM18]. **Corners** [LHC17]. **Correction** [Ano01a, Ano06a, Ano07a, Ano08a, Ano16a, Ano18a, Bak92a, Gel17, Len09, LR15, OLN11a, SZ08]. **corrections** [Tho93]. **Corrective** [SS11]. **Correlated** [ADY10, HY17, KDM16, LP07, SBZ13, TZ12, ZBB06]. **Correlation** [CAR<sup>+</sup>10, CL12, Fal99, GDM14, Gra13, HM09, HWQ15, LP14, LD06, MMGG16, TDM12, Tro05, ZBB06, ZRL14]. **Correspondence** [dLM04]. **CorrPlot** [MMGG16]. **Cost** [NFM16, Wan13]. **Cost-Sensitive** [Wan13]. **Costs** [BRS11]. **Count** [ZZZS17]. **Counting** [Fis12, ZBY09]. **Covariance** [Ano12b, AAN17, CJ09, CHH10, Cli05, DY09, DT13, FGN06, GD16, HLH15, HAC<sup>+</sup>12, HLL07, KSM14, LRB12, LWZ14, NT17, ONS18, RLZ10, SR12, SY16, SLBV18, Ste13, WL09, WP13]. **Covariance-Guided** [HLH15]. **Covariances** [GF17]. **Covariate** [BCST13, SHFT18]. **Covariates** [MQR11]. **Covariation** [Ram17]. **Coverage** [HGK10, MS18b]. **Cow** [LYHM15]. **Cox** [JK00, Pan99b]. **Crack** [GVBM04]. **Creating** [BY18]. **Creation** [Wil00]. **Credible** [CS99]. **Credit** [BO05]. **CReSS** [SHMD<sup>+</sup>14]. **CriSP** [HH01]. **Criterion** [CS14, LPPT17, RW10, ST99, SHL12]. **Criticism** [Wic13]. **Cross** [BEGS17, CSS<sup>+</sup>09, Gv97, GX01, KPC02, LY16, LHL03, Ops04, SD03, YK09, YF14, Zha03]. **Cross-Entropy** [BEGS17]. **Cross-Validating** [GX01, Zha03]. **Cross-Validation** [CSS<sup>+</sup>09, Gv97, GX01, KPC02, LY16, LHL03, Ops04, SD03, YF14]. **Cross-Validations** [YK09]. **Crowd** [CCHM18]. **Crowd-Sourced** [CCHM18]. **Cubic** [Wan08]. **Cucumbers** [FW11]. **Cure** [ZZL18]. **Curriculum** [Zhe17]. **Curve** [DGW09, FDBS10, Mül99, TZ12, WH98, SBEG94]. **Curved** [HH06b]. **Curves** [Big06, DJ04, GR12a, LX16, PHK14, SG03, STZM09]. **Cycles** [FCL10]. **D** [Dri08, LTW<sup>+</sup>10, MBGO11]. **DAGs** [MC18]. **Daniel** [FB94]. **Data**

- [ACC18, BC00, BY18, BL04, BK03a, BB06, BH01, BFE<sup>+</sup>03, BW17, Buj04, BSL<sup>+</sup>08, CRGS17, CR99, CC13, CCH16, CH99, CCHM18, CB97, CSK10, DB98, DG18, De 05, DH03a, Don17, DH03b, DCS16, EH17, EC14, Far99, FS99, FCWM17, FB11, FN16, FPRW09, Fri99, GEGM03, GDM14, GD16, Gel04a, Gel04b, GV01, GRG10, Goo99, GY07, GW15, GX01, Gu15, GF17, GLMZ15, HLP07, HJ04, HHC03, HYL<sup>+</sup>17, Hic17, Hig01, HY17, Hob01a, Hof09, HV17, HWK17, HJ17, HWQ15, HCG02, HLL07, Hub00, HJT01, Hug15, Hur00, Hur04, HS10, Jör09, KDM16, KB99, KT03, Kel11, Kle08, KLH05, KMQ05, Kus06, Laz05, LRB12, LAJ13, LYHM15, LG03, Lev01, LPS99, LRBS03, LO16, LP14, Liu01, LP07, LS05, LSF18, LH00, MHH15, Maa05, MR10, MM10, MC17, MM14, MMO01]. **Data** [MN97, MM09, MHB17, Mci99, MG01, MGL18, Mou09, MHS11, MW04, MC05, NM98, OFR<sup>+</sup>18, PKH15, Pan99b, PRS13, Par11, PP07, PP09, Pen17, QGL09, QTVK18, Rho03, RRH18, RDL07, SH18, SS12, SJH<sup>+</sup>15, SK10, SR00, SH03, SS01, SSB<sup>+</sup>14, SSBW17, SC98, SRL<sup>+</sup>00, TW14, TZ12, TQ16, TRS97, Tre06, TU11, TG10, TS13, VM01, VF09, WW12, WLZB07, WH17, WS02a, WM03, WCDS03, Wic11b, WZ01, Wu11, WL13b, XP07, XCSP16, XL17, YBDS02, YMB14, YL99, YLM17, Zha97, ZJ04, ZCI<sup>+</sup>17, ZZZS17, ZW04, Zhe17, Zho05, ZP14, ZZL18, ZW10, ZICT12, ZCY<sup>+</sup>11, AE92, Bak92a, Bak92b, HQT92]. **Data-Adaptive** [LO16]. **Data-Dependent** [WLZB07]. **Data-Driven** [NM98]. **Databases** [KLSR05]. **Datasets** [Ano12b, Bra02, BKM99, FS99, FRW05, FGN06, GMF16, Glu00, Goo99, GB04, HM16, HS18, Hub99, HB16, IW10, KP03, KSM14, NBH<sup>+</sup>15, Par18, Pos01, SS12, SS16, TNKK16, XW18]. **Day** [YL99]. **Dealing** [GKZ10]. **Decision** [BK03b, DZFZ18]. **Decomposable** [TG09]. **Decomposition** [MPS17, Smi01, YMB14, ZMSZ07]. **Decompositions** [GKT18, GB04, HAC<sup>+</sup>12, HO10]. **Deconvolution** [LS04, OC01, SMS<sup>+</sup>14]. **Default** [GD09]. **Defined** [FPRW09, TA12]. **Definite** [AHNC13]. **Definition** [BF02]. **Deformations** [SJH<sup>+</sup>15]. **Delay** [DPS11]. **Delayed** [HCK<sup>+</sup>11, QTVK18, SGH17]. **Delayed-Acceptance** [SGH17]. **Delays** [Wic11c]. **Deletion** [OSR<sup>+</sup>18]. **Deletion/Substitution/Addition** [OSR<sup>+</sup>18]. **Delft** [GdTv96]. **Delineation** [DCT08]. **Delta** [FR97]. **Demand** [WH14]. **Dendograms** [MN97]. **Dendrogram** [EH15]. **Denoising** [yG98, MQ15]. **Dense** [GM15]. **Densely** [ZC15]. **Densities** [BMO01, BRS11, BRS12, Bor11, DW01, ES98, HBG96, LS05, WL02, SPW95]. **Density** [ACG14, BJMD13, CGH99, CRL13, GW18, GMTK13, GMC02, GG17, Gu15, GQD18, HP99, HMW06, Ho06, HB16, IL16, Kle04, Kle06, KS08, Koo98, KS04, Len03, Lia07, LLZ09, MV98, MSS08, NTVK12, Ooi02, RW10, SMS<sup>+</sup>14, SN10, Tok07, TGM<sup>+</sup>14, HO93]. **Density-Based** [ACG14, HB16]. **Dependence** [CM13, HM14, MPR<sup>+</sup>12, MC18, QM04, ZH17, MS93]. **Dependencies** [Moc98]. **Dependent** [GRG10, Hob08, Hoo07, LG03, WLZB07]. **Depicting** [HM11]. **Depth** [NGH17]. **Depth-Based** [NGH17]. **Derivative** [BRS12, Ste12]. **Derivative-Free** [BRS12]. **Derivatives** [CR08, SQ07]. **Descent** [PW15, YH17, Zha07]. **Describing** [DG14]. **Design** [BCS96, BB03, DMP14, GM18, GP11, Gra07, HLZH05, HS08, SHL12]. **Designing** [HK17]. **Designs** [DGM17, HK06, LACRM06, MJ18, Rya03, TN14b]. **Destination** [LA12]. **Detect** [CAR<sup>+</sup>10, LN09, Qiu02]. **Detected** [WJZ09]. **Detecting** [FSMV02, MLP07, MM09]. **Detection** [BH02, CR99, CC18, DG18, HL06, HEF17,

- JV01, LCSL14, PP07, QY97, SSL<sup>+</sup>16, SMN15, SQ07, WWG<sup>+</sup>97, ZB10].
- Detections** [MT03]. **Detectors** [QS09].
- Determinant** [Hut02]. **Determination** [HS08]. **Determining** [HM11].
- Deterministic** [GR99, HRV12, PW14, PWPS97, RW14, Rou08, WJG11].
- Developing** [MC17, MDD<sup>+</sup>12].
- Development** [IKL08, ZJRI10].
- Developmental** [RHC<sup>+</sup>14]. **Deviance** [BY04]. **Diagnosing** [BDR97, Jan06, WW12, WJZ09]. **Diagnosis** [HIT99, LL11]. **Diagnostic** [GVDP99, PV04, SS11, dSM04].
- Diagnostics** [BCST13, CK08, FB11, Hoo07, LHC17, NY14]. **Different** [GU13a, GY07].
- Differential** [CHW12, CGH17, Sin02].
- Differentiation** [Ska02]. **Difficulties** [Lee02]. **Difficulty** [CCHM18]. **Diffuse** [NM98]. **Diffusion** [RIC<sup>+</sup>16, SY07].
- Diffusions** [Gol09, PRS13]. **Dimension** [CL09, Hen04, HV05, HY17, SY16, Vel08, WY15, XY14, YC04, ZYKC08, ZYZ10].
- Dimensional** [AG18, BB06, CLLZ17, CB97, FM12, FSMV02, GKT18, GF16, HLP07, HM09, HM11, Hoo07, HO10, IW10, IL16, KDM16, Kus06, LB15, LACRM06, LP14, MM14, MBS04, MS18b, NY14, NYC15, NFMS14, OFR<sup>+</sup>18, PP07, PW15, SMB14, SBE17, SWZ14, SHFT18, SRL<sup>+</sup>00, TSH16, WLWM16, XGTB18, XL17, YMB14, YKW03, YF14, YWL<sup>+</sup>15, ZP14, ZCY<sup>+</sup>11, FB94]. **Dimensionality** [SBJ17].
- Dimensions** [HM14, Oeh98, SLR16].
- Diracs** [CKPT04]. **Direct** [CS18, WLZD11, XMY13]. **Directed** [KB08]. **Direction** [CS98, LB06, WLWM16].
- Direction-Projection-Permutation** [WLWM16]. **Directional** [KGM18, RRH18, SJH<sup>+</sup>15]. **Directions** [PP07, YZ07, MR10]. **Dirichlet** [DH03b, GK02, GHW02, IJ02, JN04, MM98, MR16, WD11, ZNYJ14]. **Discontinuous** [Koo97]. **Discovering** [WL09]. **Discovery** [BGLM18]. **Discrete** [BCDL17, Gué03, MVR14, RF17b, ZJRI10, ZL10, RO94].
- Discretely** [SY07]. **Discriminant** [Fos01, HV05, KL03, LW08, QLCZ15, RA01, ZH03].
- Discriminating** [DGM17]. **Discrimination** [HLD<sup>+</sup>13, LMST18, LAJ13, WZ16].
- Discussion** [Buj04, DM00, GH00, Hig01, Hob01a, HJ17, HJT01, Kie00, Lev01, Liu01, Men00, MG01, Wu00, WZ01, FB94].
- Disease** [DCT08, GRM09]. **Disparities** [DASR08]. **dispersed** [AC95]. **Dispersion** [LACRM06]. **Display** [BC00, BCS96, Fri02, HO10]. **Displaying** [GMF16]. **Displays** [CCH16, Fri99, HH06a].
- Dissecting** [FCL10]. **Dissimilarities** [OR07]. **Dissimilarity** [ACC18, HH11].
- Distance** [CS14, CCHM18, FHTG05, HLD<sup>+</sup>13, LMST18, SY16, WZ16, dR07].
- Distance-Weighted** [HLD<sup>+</sup>13]. **Distances** [HR05]. **Distinct** [BR02]. **Distortion** [Jör09]. **Distributed** [AM07, KLSR05].
- Distribution** [AR06, BHF02, Bre04, EB02, GW01, HR05, Hof09, KLH05, Maa05, MMO01, Mey18, PP05, PLW01, RF17b, WWG<sup>+</sup>97, dSM04, AE92]. **Distributional** [MS18a, MKK18]. **Distributions** [CHG16, GDM14, GB00, GD09, GM18, GR08, Gou98, HC11, Hes98, KR17, KGM18, KW10, MT00, PI10, RNM18, SAT04, WW08, WIR01, ZL10, EGO92, LS93, MS93].
- Divergence** [RF17b]. **Diverse** [WCDS03].
- Divide** [BCD11, LJN<sup>+</sup>17, XW18].
- Divide-and-Conquer** [LJN<sup>+</sup>17]. **DNA** [Hob08]. **Do** [KB99]. **Documents** [FHTG05]. **Domain** [ZJRI10].
- Domain-Based** [ZJRI10]. **Dome** [GVBM04]. **Dominant** [GK97]. **Double** [ZBY09]. **Double-Saddlepoint** [ZBY09].
- Doubling** [MT00]. **Drift** [YSK<sup>+</sup>10].
- Driven** [NM98, Paa99]. **Dual** [AT16].
- Dually** [HK10]. **Dylan** [GI00a]. **Dynamic** [BRB17, CKHG15, CPV03, CD14, DB98, Dob12, FSMV02, HMW06, HABV06, Joh13, SG05, SNR17, ZLR18]. **Dynamical**

- [Dri08, SSBW17, Tre06]. **Dynamically** [LA12]. **Dynamics** [LSSG15].
- Early** [Wat11]. **Earth** [KB99]. **Earthquake** [CH99]. **ECM** [vlM97]. **ECM-Type** [vlM97]. **Ecosystems** [GRVE18]. **Edge** [QS09]. **Editor** [Loc11]. **Editorial** [Ano96a, Ano97a, Ano98a, Ano00, Ano03a, Ano06b, Ano07b, Ano08b, Ano09a, Ano10a, Ano11a, Ano13a, Ano13b, Ano14a, Ano14b, Ano15b, Ano16c, Ano17b, Lee14, LTW<sup>+</sup>10, Lev11, Lev12, Lev13a, Lev13b, Sco03, vD08, Ano12a, Ano15a, Ano16b, Ano17a, Ano18b]. **Education** [GdTv96]. **Effect** [CC13, GMF16, GM05, HM09, Laz05, LSF18]. **Effective** [Glu00, HABV06, ZYKC08]. **Effects** [BCST13, BT18, CZ02, DH10, ERPG11, EC14, Guh08, HC11, HYL<sup>+</sup>17, JWH16, KW01, KK09, LPJ13, LHC17, LHL03, MKK18, NLF<sup>+</sup>06, PLW01, RYY00, SY02, Ska02, TH09, TG13, VL09, Van00]. **Efficiency** [HR11, JB03, YM11b]. **Efficient** [AB17, AT16, BG92, Béd08, BRS11, CD12, CC18, CDFB11, DGM17, DBS06, FQH16, FCWM17, FWR12, GD09, GH18, HMJ11, HEF17, HYL<sup>+</sup>17, HS08, KTS17, KFSL17, KLH99, LB15, LGL16, Owe17, PLW01, PC06, Rou08, SLBV18, SNR17, Smy02, SS16, TDM12, Van00, WB18a, YZ13, YZ06, Yua08, ZZL18, Hes95]. **Eigenvalue** [GBW17, LWZ14]. **Elastic** [Cul13, QYZ16, YH17]. **Elastic-Net** [YH17]. **Elder** [FB94]. **Electrophoresis** [CKPT04]. **Element** [Mey18]. **Elemental** [SH00]. **elimination** [Ste95]. **Ellipsoids** [EM07]. **Elliptical** [LFZ97]. **EM-Like** [BCH09]. **EM-Type** [Van00]. **Emacs** [RHS<sup>+</sup>04]. **Embedded** [GW15]. **Embedding** [CP18, GF17, HPA14, LPPT17]. **Embeddings** [HKP16]. **EMICM** [AB17]. **Empirical** [CVA08, CL12, Fos01, HO93, Laz05, PP05, SL99, SS05, Tan15, Zho05, MS93, WDB96]. **EMS** [FSB11]. **Emulators** [Rou08].
- Enabling** [CCH16]. **End** [PRS11]. **Endogeneity** [CGJ09]. **Engine** [Paa99]. **Enhanced** [SSP<sup>+</sup>18]. **Enhancement** [SSL<sup>+</sup>16]. **Ensemble** [DCS16, LZ18, TSH16, UVM18]. **Ensembles** [Eld03, RMR<sup>+</sup>17, XZ12]. **Ensembling** [ACC18]. **Entropy** [BEGS17, LL15]. **Enumerating** [TG09]. **Envelope** [CZ16, KN97]. **Environment** [Lan00]. **EOV** [Ano12a, Ano13b, Ano14b, Ano15a, Ano16b, Ano17a, Ano18b]. **Epidemic** [FCWM17]. **Equation** [LG03, SW18]. **Equations** [ACS17, BMW17, CHW12, CGH17, CL12, ER04, LFS<sup>+</sup>17, Sin02, SS16]. **ERGMs** [HHH12]. **Ergodic** [DH10]. **Erratum** [Ano12b]. **Erroneous** [DR18]. **Error** [HS08, JH98, KLH05, LR05, SM13, SHFT18]. **Errorfully** [PSTV15]. **Errors** [BBvdW16, CRC<sup>+</sup>07, SMS<sup>+</sup>14, ZHJ16]. **ESCV** [LY16]. **Estimate** [PLIK02, Ram17]. **Estimated** [RW99]. **Estimates** [Fri00, Kle04, Kle06, LPM98, Mar10, Ops04, SBY06, WB18b, YZ06, Yua08]. **Estimating** [ACS17, AG18, BMW17, CL12, ER04, Gué03, HL03, HWQ15, HJR03, HBG96, IP04, Kou14, Lee02, LKW09, LFS<sup>+</sup>17, LSF18, MM98, Mai97, Moc98, Rya03, Sha14, SW18, SN10, SS16, YZ07, dSM04, EGO92]. **Estimation** [AG05, AAN17, AG18, BEGS17, BCH09, BOW02, BBLG13, Bre04, BR02, CHW02, CHW12, CCHS08, CKNK06, CJ09, CHH10, CP16, CS99, CH16, CGH99, CR08, CG07, CGJ09, CRL13, CZ16, CDFB11, DY09, DT13, DZ99, DH10, DGW09, DIR02, Efr05, ESR<sup>+</sup>14, Eve12, Fos01, FKWL08, FP04, Fri13a, FN04, GM15, GD16, GW18, GN17, GK10, GMTK13, GMC02, Gou98, GPR99, Gu15, GMP04, GRM09, HP99, HHGG01, HMW06, HSM09, HC11, Her97, Ho06, Hsi99, HLL07, IL16, JRS11, JW08, Jon98, KS08, Koo97, Koo98, KS04, KKS17, KW10, Len03, Lia07, LPHK16, LY16, Lin99, LTW07, LLZ09, LWZ14, LP07, LVH17, MP00,

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 JB03, LH15b, LH15c, Pos01, RG09, WCR13]. **Hierarchically** [SH18]. **Hierarchy** [VH17].

**High** [AG18, CHG16, CLLZ17, CB97, FM12, GKT18, GF16, HM09, HM11, Hoo07, HO10, IW10, IL16, JV01, KDM16, Kus06, LB15, LP14, MS18b, MC05, NY14, NYC15, NFMS14, OFR<sup>+</sup>18, PP07, PW15, RIC<sup>+</sup>16, RYY00, Rho03, SMB14, SBE17, SHFT18, SLR16, SRL<sup>+</sup>00, TSH16, WLWM16, XGTB18, YMB14, YKW03, YF14, YWL<sup>+</sup>15, ZCY<sup>+</sup>11]. **High-Dimensional** [AG18, CLLZ17, CB97, FM12, GKT18, GF16, HM11, Hoo07, HO10, IW10, IL16, KDM16, Kus06, LB15, LP14, MS18b, NY14, NYC15, NFMS14, OFR<sup>+</sup>18, PP07, PW15, SMB14, SBE17, SHFT18, SRL<sup>+</sup>00, TSH16, WLWM16, YMB14, YKW03, YF14, YWL<sup>+</sup>15, ZCY<sup>+</sup>11]. **High-Frequency** [MC05]. **High-Momentum** [Rho03]. **High-Order** [CHG16, JV01, RYY00]. **Higher** [BB03, HM14]. **Highly** [HY17]. **Histogram** [BC00, DM09, Tan17]. **Histograms** [TSH16]. **Historical** [Wic13]. **History** [Fie12, Fri02]. **hit** [CS93]. **hit-and-run** [CS93]. **Holes** [MB18]. **Homotopy** [OT11]. **Honest** [TDH15]. **Howard** [Tuk93a]. **HPD** [CS99]. **HQ** [MT00]. **HR** [MT00]. **Huber** [LO16, WLZB07, YH17]. **Human** [Far04]. **Hunting** [DR10, HH01, Ooi02]. **Hybrid** [Ish99, JV01]. **hypergeometric** [JKD92]. **hyperrectangles** [DES93]. **Hypotheses** [SSL<sup>+</sup>16]. **Hypothesis** [Can99, FKH07, MH17, TAS<sup>+</sup>17, WLWM16]. **IDE** [VG01]. **Idea** [Gas03]. **Ideas** [Gra07]. **Identifiability** [MW15]. **Identification** [BK05, SBZ13]. **Identifying** [Dia99, HWQ15, MWFSG17, ZC15]. **Identity** [Mar10]. **iid** [WK17]. **Ill** [KN97, RO94]. **Ill-Posed** [KN97, RO94]. **Illusion** [VH15]. **Illustrations** [PvD09]. **Image** [BZ07, CW00, FR97, FT16, GJ97, Glu04, GHC14, MQ15, NP01, RRH18, SSL<sup>+</sup>16, YBDS02]. **Images** [ABvS09, Mai97, QS09, VM04]. **Imaginary** [FN16]. **Imaging** [EFG<sup>+</sup>99, GAZ15, RIC<sup>+</sup>16]. **IMIS** [SRE06]. **Immersive** [WS02a]. **Implementation** [AB17, BHS00, FKH07, Tok07, VL09, WC06, XGT15]. **Implementations** [AT16, LC01, PMB12]. **Importing** [Gas03, Jan06]. **Implications** [LB15]. **Import** [ZH05]. **Importance** [HB98, Ion08, KA13, MP00, MMN<sup>+</sup>13, NP01, Oeh98, SZ08, SRE06, TDH15]. **Imposing** [Ros17]. **Improper** [HC98, TH09]. **Improve** [JRS11]. **Improved** [McL99, ST99, XGH11, XBW15, dV08]. **Improvements** [HO99]. **Improving** [AAN17, CKHG15, HHH12, PKH15]. **Imputation** [LBM<sup>+</sup>14]. **Imputed** [LRBS03]. **Imputing** [FHTG05]. **Including** [Paa99]. **Inclusion** [SC08]. **Incomplete** [Fri00, LPM98, SSL17, VG01]. **Incorporate** [DMP14]. **Incremental** [FRW05, SRE06]. **Independence** [WW12, ZMH07]. **Independent** [GK10, HMJ11, JRS11, LS93]. **Index** [Ano96b, Ano97b, Ano98b, Ano08c, Ano09b, Ano10b, Ano11b, HSM09, Hsi99, PVH05, RDL07, YZ07, ZHZ12, dSM04]. **indexes** [CBC93]. **Indicators** [MLP07]. **Indices** [PP05]. **Indirect** [XMY13]. **Individual** [CDFB11, GKBP15, Laz05, LSF18, Par11]. **Individual-Level** [CDFB11]. **Individualized** [DZFZ18]. **Individuals** [LYHM15]. **Inducing** [GDM14]. **Induction** [WC06]. **Inference** [AVW13, BCDL17, BZ97, BHF02, BH01, Bra99, CD12, CHG16, Che07b, CGR17, CZZ15, CM13, De 05, EC17, EB02, FP04, FPRW09, GK02, GF17, Hil11, HH06b, JK00, KDM16, KFSL17, KNN05, Laz05, LD11, LRBS03, LL11, MJVB18, MN97, MGL18, MV98, NM98, OW12, PCP11, Pic14, PSTV15, RNHY12, RW10, SR00, TDM12, Tsi02, WD11, FB94, VT94]. **Inferences** [EH05, NYC15]. **Influence** [BZ97, CZSL10, ZICT12, BG92]. **Influential**

- [GRG10]. **Information** [GU13b, GKZ10, HK10, HO10, IJ02, LH02, NFM16, Rya03, ST99, Smi05, Spa05, Bak92a, Bak92b]. **Information-Theoretic** [GKZ10]. **Informative** [KLR18]. **Infovis** [GU13a, Kos13, Mur13]. **Insight** [SCLK<sup>+</sup>00]. **Insights** [WFS11]. **Insomnia** [YM11a]. **Institutions** [MHB17]. **Instrumental** [CG07]. **Integral** [NLF<sup>+</sup>06]. **Integrated** [LSV<sup>+</sup>09, Len09, SBJ17]. **Integrating** [MHH15]. **Integration** [GK97, SH97, Tan06]. **Intelligence** [Rho03]. **Intelligent** [SC98]. **Intensity** [FN04, MRCM18]. **Interacting** [BJMD13]. **Interaction** [Smi05, HVRA96]. **Interactions** [Cai99, HWS16, LH15b]. **Interactive** [DB98, MMGG16, SH18, Wil99, Wil00]. **Interactivity** [CCH16]. **Interest** [Fal99]. **Interface** [Goo11]. **Interior** [CS98]. **Interior-Point** [CS98]. **Internal** [Kel11, Wu11]. **Internet** [CCS03, Rho03]. **Interpolation** [Ano12b, BRS11, FGN06, Zha03]. **Interquantile** [JWB13]. **Intersection** [GV01]. **Interval** [AB17, BL04, CGL13, HJ04, Kwo98, LRB12, Maa05, Pan99b, ZZL18, AE92]. **Interval-Censored** [BL04, CGL13, HJ04, Maa05, Pan99b, ZZL18, AE92]. **Interval-Valued** [LRB12]. **Intervals** [CS99, GJ09, KLH99, KHM05, KS04, LJZD05, MS18b, DES93, GW93, RO94]. **Interweaving** [HR11, SNR17, YM11b]. **Intractable** [TNK17, YSDJ15, ZF18]. **Introduction** [BKM99, Buj00]. **Introductory** [HK17]. **Intrusion** [JV01]. **Inuence** [RA01]. **Invariance** [FHW03]. **Invariant** [Cai99]. **Inverse** [DV04, TDM12, Wu08, WLM10, ZYZ10, BPW93]. **Inversion** [ACS17, KO05]. **Inversion-Free** [ACS17]. **Investigating** [ZW04]. **Invitation** [Kos13]. **Involving** [GHW02]. **Irregular** [MPR<sup>+</sup>12, MB18, WL13b]. **Irregularly** [DKH06, DCT08]. **Ising** [FK16]. **Isomap** [WL09]. **Isotone** [FM12]. **Isotonic** [DJ04, FM12, LR14, WL08, BQS94, QE96]. **Issue** [Buj00]. **Itô** [Sin02]. **Itô-Taylor** [Sin02]. **Iterated** [BP98, Bor11]. **iteration** [BPW93]. **Iterative** [BF02, BG98, CM08, Hea11, Jon98, Pan99b, PW15, SD03, XGH11, XGT15, ZL16, SPW95]. **Iteratively** [LP07]. **IV** [FB94]. **J** [Bak92a]. **JADE** [VLNO18]. **Java** [GI00a]. **JCGS** [Goo11, LTW<sup>+</sup>10]. **JOFC** [LPPT17]. **John** [FB94]. **Joint** [CZZ15, Cul13, GM16, KTS17, SG05, VS17, ZCI<sup>+</sup>17]. **Journal** [Ano06a, Ano07a, Ano08a, Ano12b, OLN11a]. **JSS** { [Ano14d, Ano14e, Ano14f, Ano16d, Ano01b, Ano02a, Ano02b, Ano02c, Ano02d, Ano03b, Ano03c, Ano03d, Ano04a, Ano04b, Ano04c, Ano05a, Ano05b, Ano05c, Ano05d, Ano06c, Ano06d, Ano06e, Ano06f, Ano07c, Ano07d, Ano07e, Ano07f, Ano08d, Ano08e, Ano08f, Ano08g, Ano09c, Ano09d, Ano09e, Ano09f, Ano10c, Ano10d, Ano10e, Ano10f, Ano11c, Ano11d, Ano11e, Ano11f, Ano12c, Ano12d, Ano12e, Ano12f, Ano13c, Ano13d, Ano13e, Ano13f, Ano14c, Ano15c, Ano15d, Ano15e, Ano15f]. **Jump** [Gol09, KA13, ML08, QY97, SQ07]. **Jump-Diffusions** [Gol09]. **Jumps** [Qiu02]. **Junction** [TG09]. **Kalman** [PRHP14, Sin02]. **Kendall** [VT94]. **Kernel** [CR08, GW18, GG17, HV05, Her97, JW08, KS08, MRCM18, MSS08, RDZ10, Wu08, ZH05, Wan94]. **Kernel-Based** [MRCM18]. **Kernels** [All13, WCR13]. **Kingman** [FW13, LFT17]. **Knot** [Lin99, MS03, Wan08]. **Knots** [Rup02]. **Known** [Bre04]. **Kriging** [HCB04, PW14]. **l** [NST12]. **Label** [LF16, PI10, RW14]. **Label-Switching** [LF16]. **Lagrangian** [LSSG15]. **Landau** [BJMD13]. **Landmark** [Big06]. **Landmark-Based** [Big06].

- Language** [WRCR00]. **Languages** [Buj00, Hub00]. **Laplace** [Bor11, BBvdW16, GJR05, RYY00]. **Laplacian** [PC06]. **Large** [Ano12b, BGL18, DY09, FRW05, FPRW09, FGN06, GMF16, Glu00, GSP+06, Gv97, GA15, GF17, HYL+17, HM15, HY17, HWK17, HM16, HLL07, HS18, HB16, IW10, KSM14, LMST18, LWLY17, LFS+17, LVH17, Mou09, NBH+15, Par18, Pos01, SS12, SLBV18, SS16, TNKK16, Wil99, WL13a, XW18, YLW17, ZLR18, ZW10, ZF18]. **Large-** [HY17]. **Large-Scale** [Gv97, HYL+17, LMST18, LWLY17, LVH17, YLW17, ZLR18]. **Lasso** [AT16, AAN17, BRB17, Fu98, GKZ18, GN17, Hoe10, HHTB10, Joh13, LWLY17, LH15b, MPS17, OT11, PWS16, SFHT13, WFS11, YWL+15, ZHZ12, Zhu17, FM12, JTU03, KKK08, ZOR12, ZCO15]. **Lasso-Type** [ZH12]. **Latent** [BCDL17, Eve12, HWO+17, Mah17, MVR14, RNHY12, SL10, XCSP16, ZBB06]. **Lattice** [GSP+06, MB18, PL12, Smi05, SSL17, WK17, ZW04]. **Lattice-Based** [MB18]. **Lattice-Valued** [WK17]. **Lattices** [FPRW09, GF17, ZF18]. **Layered** [Wic10]. **Layouts** [Mur99]. **Learners** [CM08]. **Learning** [GKBP15, GP11, Kel11, LH15a, LH15b, LP14, LSD05, OSR+18, PRHS18, PGR15, SH06, Wu11]. **Least** [CHW12, DG05, HK10, HGK10, LP07, Paa99, XWZ15]. **Length** [MB04]. **Lesions** [SSL+16]. **Less** [Zhe17]. **Letter** [HWK17, Loc11, Pie04]. **Letter-Based** [Pie04]. **Letter-Value** [HWK17]. **Level** [CDFB11, Kle04, TN14b]. **Levels** [CDP04]. **Lexical** [GI00b]. **Lifetime** [BC00]. **Like** [BCH09]. **Likelihood** [AVW13, BCDL17, Bie05, CHG16, CJ02, CVA08, CL12, CS18, Chr04, Coz99, DIR02, Fea04, FQH16, FP04, Fri00, GW18, Glu00, GCKP08, HPOL14, Hof00, HO99, JW08, JB03, KW10, Laz05, LPM98, LLZ09, Mar10, MBGO11, NST12, NYC15, Pan99a, Par05, PP09, PDLN18, RNHY12, RYY00, Sin02, Ska02, Smi01, SBJ17, SY07, SSL17, SWF04, TNK17, TG13, YZ06, YT99, ZJ04, Zho05, HO93, Tho93, WDB96]. **Likelihood-Based** [Smi01, TG13]. **Likelihoods** [CGEMIR18, ESR+14, HS18, LSV+09, Len09, SGH17, YSDJ15]. **Limit** [Rya03]. **Linear** [BEGS17, BY04, Bil00, CTC09, CGH17, CZSL10, CRS06, CZ02, EM02, Fri00, Fri07, GPGMFB14, Gra13, GCKP08, GH18, Guh08, GRM09, HL03, HH06a, Hen04, HRM02, HN98, HWO+17, Ish99, JHL09, Kat10, KPC02, KL03, LR05, LCWW17, LPM98, LJZD05, LBCG16, LH15c, LHC17, LVH17, MVR02, MRCM18, NFM16, NL04, NFMS14, OW12, OT11, PLW01, PC06, RNM18, RYY00, SG05, SD03, SY02, SMB14, SNR17, SS05, Smi01, SHFT18, TN14a, TNKK16, VG01, YZ06, YZ07, YF14, Zha03, ZHJ16, ZOR12, ZCO15, ZY05, Hes95]. **Linear-Angle** [Gra13]. **linearization** [WDB96]. **Lineup** [CCHM18]. **Link** [MP00, Mar10, RW99, ZWLZ17]. **Linkage** [SN10]. **Linked** [GR99, LA12, Tuk93a, Tuk93b]. **Linking** [GY07, SCLK+00]. **Lisp** [Tie00]. **Lisp-Stat** [Tie00]. **LLE** [GR12b]. **Loadings** [GJL+10]. **Local** [BRS12, CCHS08, CZSL10, DR10, FSB11, Fos01, GW18, GA15, Her97, KM03, MMRRMGMGC08, MLP07, MQ15, MW04, Sam15, TW96, ZLR18]. **Local-EM** [FSB11]. **Local-Likelihood** [GW18]. **Localized** [WLM10, XGT15]. **Locally** [CKNK06, EH09, LCWW17, QGL09, SBR10, Tan17, WKC+08]. **Location** [HRV12, KLR18, McL99, PWPS97, UKZ18]. **Location-Scale** [KLR18]. **Log** [Fea04, SH03]. **Log-Likelihood** [Fea04]. **Logarithm** [DT13]. **Logarithmic** [Efr05, GR99]. **Logic** [RKL03]. **Logistic** [Bra99, CDFB11, ET99, LRO18, Len03, Tok07, TüC08, ZH05]. **Logistic-Gaussian**

- [Len03]. **Loglinear** [Bra99, TL99].  
**Logspline** [KS04]. **long** [MW96].  
**long-memory** [MW96]. **Longitudinal** [CCH16, CDFB11, EC14, Far99, GDM14, GD16, HWQ15, HLL07, PP09, PM16, TQ16, WL13b, Zha97, ZCI<sup>+</sup>17]. **Look** [GDS02].  
**Looking** [Fal99]. **Looks** [GU13a]. **Loss** [FR97, Wan18, YH17]. **Losses** [Kat10]. **Lost** [GF15]. **LOTUS** [CL04]. **Low** [HLP07, HS18, Oeh98, PRHP14].  
**Low-Dimensional** [HLP07]. **Low-Rank** [PRHP14]. **Lower** [CHW08].
- M** [FKLW08]. **M-Estimation** [FKLW08].  
**Machine** [LSD05, ZH05]. **Machines** [LY11, SWZ14, TZ06, WL13b, ZLWZ16].  
**Magnetic** [EFG<sup>+</sup>99]. **Majorization** [Wan18, YWL<sup>+</sup>15].  
**Majorization-Minimization** [YWL<sup>+</sup>15].  
**Making** [EH05]. **Mammographic** [HIT99].  
**Manual** [CB97]. **Manuscript** [Lev12, Lev13b]. **Many** [CTC09, LGS09, SYF17]. **Mapping** [RHC<sup>+</sup>14]. **Maps** [BL17, Mei11, MM97].  
**Margin** [Wan13, WL13a]. **Marginal** [Fri99, GMTK13, Lia07, LFT17, YC04, YT99].  
**Marginalized** [CYS09, Sue12]. **Marginals** [HM02]. **Marked** [LA12]. **Markers** [TZ12].  
**Markov** [Bro06, BHS00, CB01, Can99, Cap11, CS98, CF05, CRS06, CK08, Dan12, DY09, Dob12, DIR02, Eve12, Fea02, Fis12, FWR12, FB11, FPRW09, GS94, Gey95, GVDP99, God01, GF16, GR08, Gra07, Gué03, GMP04, GJR05, HHC03, HC98, Hob08, HLH06, JN04, JS13, JO02, JV01, LSSG15, LH02, MP00, MB04, MN97, ML08, Owe17, PM16, RT98, Sco99, SNR17, SS06, TDH15, Tan15, TA12, YSDJ15, YT99, YS10, ZJRI10, ZZ08, ZF18, dV08].  
**masking** [JP96]. **Masses** [HIT99]. **Massive** [Bra02, BKM99, DH03a, FS99, Goo99, Hub99, KP03, LPS99, SWC<sup>+</sup>10]. **Massively** [LYG<sup>+</sup>10, RHC<sup>+</sup>14, SWC<sup>+</sup>10]. **Matching** [CCHM18, DR18, DASR08, HK06, LR04, MR01, Ros12, Ros17]. **Mathematical** [MI00]. **Matrices** [ACC18, CJ09, CHW08, Cli05, GDM14, GG17, HLL07, SLBV18, TDM12, TU11, ZBB06]. **Matrix** [AAN17, CP18, DS00, DY09, DT13, Fal99, HPA14, HKP16, Hof09, KKS17, LD06, LWZ14, LH02, NFM16, Smi05, Spa05, WP13, ZRL14, Bak92a, Bak92b].  
**Matrix-Logarithm** [DT13]. **Max** [CHG16]. **Max-Stable** [CHG16]. **Maximization** [Hob08, LLZ09, YSD13]. **Maximizations** [vlm97]. **Maximizing** [Glu00]. **Maximum** [Bie05, Chr04, DIR02, Fri00, Hof00, HO99, JW08, JB03, KW10, LPM98, Mar10, MBGO11, PP09, RYY00, Sin02, Ska02, SSL17, SWF04, YZ06, ZJ04]. **MCMC** [BCD11, BK05, BDR97, BGP03, CJ09, DH10, GPR99, HHC03, HR11, JL13, KA13, LK02, LS05, MJVB18, PMB12, QTVK18, RR09, Sha14, SGH17, VS17, WB18a, YM11b].  
**MCP** [JYYZ18]. **Mean** [Bre04, CKNK06, Far99, HH06a, HB16, Len09, LZ18, PSY09, XY14, MR10].  
**Mean-Shift** [HB16]. **Means** [Dia99, MSS08]. **Measure** [BHS04, GW11, LL15, RRH18, SZ08].  
**Measurement** [CD14, LR05, SMS<sup>+</sup>14, SHFT18].  
**Measurements** [ZJRI10]. **Measures** [Coz99, FHTG05, HIT99, KM03, NY14, ZICT12]. **Measuring** [CCHM18, PRHS18].  
**Mechanism** [Mur99]. **Median** [DJ04].  
**Medical** [NP01]. **memory** [MW96]. **Merge** [JN04]. **Merging** [Mel16]. **Method** [BMR15, BK03b, CKHG15, CDFB11, Far99, FWR12, GJ09, HLP07, Hes98, JH98, KN06, PWPS97, RMR<sup>+</sup>17, SN10, Vel08, XL17, YMB14, YMLY11, Bak92a, Bak92b, KMOS92]. **Methodology** [FHTG05].  
**Methods** [BG98, CR08, CL15, CRS06, CPV03, CMJ11, DH03b, DBS06, FM07, GVBM04, GB02, God01, GM18, GLW07, HJ09, HM16, HKS12, KS99, Lee07, LYG<sup>+</sup>10, LSFI18, MP00,

- NW10, NTVK12, OLN11a, OLN11b, PVH05, PTP03, PV04, SD03, SS05, WL02, YBDS02].
- Metrics** [CCHM18]. **Metropolis** [Béd08, CS93, GK10, HMJ11, JRS11, NW10, TMvD18, VJ15]. **Microarray** [QS09, YBDS02]. **Mind** [PRS11]. **Minimax** [MJ18, Ros17]. **Minimization** [BGLM18, YWL<sup>+</sup>15]. **Minimum** [CS14, DPS11]. **Mining** [DH03a, FS99, Goo99, WS02a]. **Minorant** [Jon98, Pan99b, AE92]. **Mises** [Hof09]. **Missing** [FM10, SY02, SR00, ZICT12]. **Mixed** [CHW02, CZSL10, CLLZ17, CRS06, CZ02, CD14, ERPG11, EC14, GCKP08, GM05, GH18, Guh08, GRM09, JHL09, KW01, LH15a, LHC17, LHL03, NLF<sup>+</sup>06, OW12, PLW01, PC06, Pro06, SY02, SSG15, SMB14, SS05, TN14a, TNKK16, VL09, Van00, Zha03]. **Mixed-Effect** [GM05]. **Mixed-Effects** [EC14, LHC17, NLF<sup>+</sup>06, PLW01, SY02, Van00]. **Mixed-Measurement** [CD14]. **Mixing** [LLZ09, PRS11, PMB12]. **Mixture** [ACG14, BCD11, BRC<sup>+</sup>10, CM13, FW13, Fea04, FM07, FWR12, GK02, Glu00, GB04, GPR99, HLH15, JN04, Li05, LF16, LFT17, MM98, MM10, Mel16, MW15, NW10, OC01, PTP03, RNM18, RW14, RF17b, SSS07, SRE06, Tan17, TQ16, Tüc08, WWG<sup>+</sup>97, WD11, YKZ18, ZNYJ14, ZZL18, EGO92, SPW95]. **Mixture-Based** [BCD11]. **Mixturegram** [YKZ18]. **Mixtures** [BCH09, CCFM01, DV04, DH03b, GK10, GR08, GW11, Hof00, HJR03, IJ02, JHL09, KLR18, MWFSG17, MR16, PI10, STM15, SG03, SWC<sup>+</sup>10, TN14a, TGM<sup>+</sup>14, WR05, WIR01, WRK11]. **MM** [HL00, LW08, ZL10]. **Mode** [HMW06, Kle08, MW97, MMW98, Ooi02]. **Model** [BCDL17, BY04, BCH05, BFM18, BHK15, BGP03, CHW02, CKHG15, CGEMIR18, CH09, Chr04, CGL11, CM13, DXL12, DMP14, DCV10, ES02, ERPG11, FK16, FH15, FRW05, FP04, Fri00, GPGMFB14, GR99, God01, Guh08, HJ04, HMN<sup>+</sup>03, HML18, HHKS11, HDM02, HN98, HHTB10, Hug15, JN04, JK00, Jör09, JV01, KNN05, KK09, KLH05, Kus06, LG07, LYHM15, Len03, LG03, Li05, Lia07, LPM98, LHC17, Mah17, MPR<sup>+</sup>12, MMN<sup>+</sup>13, MW15, MC05, MQR11, MSS08, MW14, MQ17, NBH<sup>+</sup>15, OC01, OR07, Paa99, Pan99a, Pan99b, Par01, PWS16, Pos01, PM16, QYZ16, QGL09, RNHY12, Rya03, SS11, SG17, ST99, SMK15, SNB<sup>+</sup>01, SM13, TRWB16, TK99, Tsi02, XL17, YKW03, YSK<sup>+</sup>10, ZHH08, ZHJ16, ZCI<sup>+</sup>17, ZLR18, ZZ08, ZJA16, ZZL18, ZY05, dVTP<sup>+</sup>17]. **Model-Based** [CHW02, CGEMIR18, Chr04, FRW05, LG07, OR07, Pos01, ZHH08]. **Model-Free** [XL17]. **Modeling** [AM07, BGL18, CG07, DR18, DZZ16, DK18, EC14, GM16, GRM09, HWS16, HYL<sup>+</sup>17, Hil11, Hof01, KT03, KSM14, KMQ05, LCSL14, LGL16, MM10, NW10, NAB16, OR99, PW14, QN00, TQ16, TGM<sup>+</sup>14, TL07, XCSP16, ZCI<sup>+</sup>17, ZKS18]. **Models** [ACS17, AGV12, ACG14, BCST13, BEGS17, BM99, BF02, BT18, Bil00, BRS<sup>+</sup>08, BFM18, BHK15, Bra99, Buj04, BHS00, Cap11, CD12, CKNK06, CZSL10, CLLZ17, CG07, CGJ09, CRS06, CZZ15, CZ02, CW97, CGR06, CYS09, CD14, DZZ06, Dan12, DG14, DH10, Dri08, ESR<sup>+</sup>14, FW13, Fea04, FM07, FM10, Fie12, FCWM17, FWR12, FB11, Fri07, GM15, GK06, GK02, Gel04a, Gel04b, GvDHB08, GN17, GP11, GCKP08, GM05, GKZ10, GH18, GRM09, GLMZ15, HL03, HPOL14, HAC<sup>+</sup>12, HHC03, HC11, HM15, HCB04, HM14, HO99, HWO<sup>+</sup>17, HH06b, HKS12, HK98, Ish99, JB03, JHL09, JWB13, JL13, KW01, KFSL17, KL03, KS99, LGS13, LRO18, LH15a, LD11, LF16, LR05, LCWW17, LFT17, LBCCG16, LH15c, LHC17, LHL03, LVH17, LH02, MS18a, MM98, MJVB18, MM14, MVR14, MMRMGMGC08, MT03]. **Models** [MHS<sup>+</sup>14, MBM18, MR16, NLF<sup>+</sup>06,

NFM16, NW10, NL04, Ops04, OW12, PVH05, PL12, Pic14, PTP03, PLW01, PC06, Pro06, QG06, RNM18, RYY00, RW14, RDL07, RG09, RT98, STM15, SG05, SY02, SSG15, SMB14, SC08, SSS07, SSBW17, SNR17, SS05, Ska02, Smi05, Smi01, SL10, SHFT18, SRE06, Sue12, TDM12, TH09, TN14a, TGP03, TL99, TNKK16, TüC08, TG13, TS13, UKZ18, VL09, VM04, Van00, VG01, VN18, VF09, WK09, WD11, WH14, WYL14, WRK11, XGH11, XGT15, XW18, YSD13, YSDJ15, YZ06, YZ07, YKZ18, YF14, Yua08, ZHZ12, Zha03, ZBB06, ZJRI10, ZNYJ14, ZZZS17, ZW07, ZW10, ZICT12, dLG01, dR07, dVTP+17, Kit96].  
**Modifications** [CW00]. **Modified** [JTU03, XGBTB18, YF14]. **Modular** [HK17].  
**Modulated** [Sco99]. **Modulo** [FHW03].  
**Moments** [KR17, YC04, YMLY11, Tho93].  
**Momentum** [Rho03]. **Monitoring** [BG98, SG05, VS17]. **Monotone** [LT98, LBM+14, Wan08]. **Monotonic** [TL07]. **Monotonically** [Yu12].  
**Monotonicity** [BJG98, CGH99, HHGG01].  
**Monte**  
[Ano07a, JS13, PP14, BGD16, BP98, Bro06, CB01, Can99, CGMR04, CS99, CF05, Chr04, CRS06, DG14, DH03b, DBS06, DMP14, FBG06, FKH07, Fea02, Fea05, Fis12, FWR12, GS94, Gey95, GVDP99, God01, GF16, GLW07, GR08, Gra07, GMP04, GJR05, HT17, Hel04, Hob08, HLH06, HK98, Ish99, JN04, JB03, JO02, Kit96, LGS13, LSSG15, LYG+10, LC01, Lia07, Ljn+17, MP00, MN97, ML08, PCP11, SNR17, SS06, Spa05, Tan06, Tan15, WJG11, XBW15, YSDJ15, YT99, ZC15, ZZ08, ZJA16, dV08].  
**Morse** [GRB+13]. **Mortality** [SH17].  
**Mosaic** [Fri99, Fri02]. **Motif** [CC18].  
**Movies** [LK02, LTW+10]. **Moving** [HCB04]. **MPPCA** [HLH15]. **Much** [Bri11, FK11, Gel11a, Gel11b, Kos13, Wai11, Wil11].  
**Multi** [MS18a, MHS11]. **Multi-Class** [MHS11]. **Multi-Scale** [MS18a].

**Multicategory** [LW08, LSD05, LY11, ZLWZ16]. **Multiclass** [HLD+13, TZ06, Wan13].  
**Multidimensional** [BSL+08, Hur04, Par18, RB02]. **Multilayer** [Li05]. **Multilevel** [AM07, BEGS17, PC06, ZCY+11].  
**Multilinear** [Paa99]. **Multimodality** [TMvD18]. **Multinomial** [KN06, Kwo98, RDL07, YKW03].  
**Multiobjective** [DCT08, SMK15].  
**Multiple** [BEM13, CR99, GM16, HT17, HH06a, HM15, HN98, KTS17, LWLY17, LBM+14, LJZD05, PHK14, QN00, RG09, SS12, SSP+18, TDH15, TZ12, YK01, ZHJ16, JKD92].  
**Multiple-Runs** [ZHJ16]. **Multiplicative** [SM13]. **Multiresolution** [HLH06, NBH+15, ZY05]. **Multiscale** [ABvS09, EH05, LX16, PLH10, RW10].  
**Multiset** [HML18, HSC18, KM15].  
**Multistage** [Fis12]. **multitapers** [BPW93].  
**Multivariate** [BCH09, CCH16, DG18, DZZ06, DK18, EM07, Fri07, GDS02, Gas03, GKT18, GB02, GMTK13, GG17, Hof09, HB98, JHL09, KR17, KFSL17, Kle04, Kle06, Kle08, KMQ05, Kus06, LN09, LL10, LS05, MVR14, MKK18, Mou09, PP14, PP07, PLW01, PV04, PWPS97, PM16, RYY00, RLZ10, Rou08, SY02, SBE17, SK10, Som98, SH97, SW18, TDM12, TGM+14, Tre06, WWG+97, WJZ09, Zha97, ZJRI10, ZZZS17, ZL10, Tho93, Wan94]. **Multivariate**-[Som98]. **Musical** [Rap01]. **Mutagrams** [MW04]. **Mutually** [GR08].  
**Natural** [Wil00]. **Nearest** [Gho07]. **Need** [VH15]. **Needs** [MC17]. **Negative** [BHF02, yG98]. **Neighbor** [Gho07, Hob08].  
**Neighbor-Dependent** [Hob08].  
**Neighborhood** [FWR12]. **Nested** [RYY00, YLM17]. **Net** [CCS03, Cul13, QYZ16, YH17]. **Network** [CKHG15, CC18, CZZ15, EM18, Fie12,

- GM16, HK06, HKS12, JL13, KS99, Lee02, Mci99, MBM18, RNHY12, WW12].
- Networks** [BC16, BRB17, Eve12, GM15, HABV06, HH06b, Ish99, MMA97, Mic12, MRCM18, STM15, ZWLZ17, ZH17]. **Neural** [Ish99, KS99, Lee02]. **Neutral** [Lee07]. **Newton** [HYL<sup>+</sup>17, YH17]. **Next** [SH03]. **NicheWorks** [Wil99]. **NIMBLE** [dVTP<sup>+</sup>17]. **no** [Bak92a]. **Nobler** [PRS11]. **Node** [KL03]. **Nodes** [KM03]. **Noise** [HMP96]. **Noisy** [DIR02, HQT92]. **Non** [BGLM18, yG98, GX01, MC18, WH98, Kit96]. **Non-Convex** [BGLM18]. **Non-Gaussian** [GX01, MC18, Kit96]. **Non-Negative** [yG98]. **Non-parametric** [WH98]. **Noncentral** [Ano06a, KGMT06, Tsi02]. **Nonconvex** [LB15, PW15, Wan18, YLW17]. **Noncrossing** [RF17a]. **Nonlinear** [BB03, CHW12, CH09, CAR<sup>+</sup>10, ERPG11, FH15, NLF<sup>+</sup>06, NW10, Sin02, Ska02, WK09, ZYKC08, Kit96]. **Nonlinearity** [FSMV02]. **Nonlinearly** [Pro06]. **Nonnegative** [PA14]. **Nonnormal** [GM18, NLF<sup>+</sup>06]. **Nonnormality** [LN09]. **Nonparametric** [AVW13, BCH09, BH01, BGP03, CAR<sup>+</sup>10, CH16, CGH99, CH99, DXL12, DK18, DZ99, Far04, FH15, GK02, GM05, HHGG01, HC11, HV05, Hil11, Hof00, HB16, IL16, Jon98, KW01, KT03, KLH99, KMQ05, KS11, LLZ09, LHL03, OLN11a, OLN11b, PHK14, Qiu02, QN00, QM04, RHC<sup>+</sup>14, RMWH17, SG03, SK10, SSS07, WKC<sup>+</sup>08, YKW03, ZJ04, ZH03, Gra96, SBEG94]. **Nonparametrically** [RW99]. **Nonregular** [TN14b]. **Nonsmooth** [FS18]. **Nonstandard** [Spa05]. **Nonstationary** [AHNC13, CHH10, DGW09, Gri99, HMP96, IP04, KSM14, YS10, ZW10]. **Norm** [LZ08]. **Normal** [CGEMIR18, DW01, DV04, GDS02, Gas03, GKT18, IJ02, KR17, KW10, LS93, LN09, LL10, LH15c, SG05, SG03, Som98, SH97, VL09, EGO92]. **Normal-Inverse** [DV04]. **Normal/independent** [LS93]. **Normalized** [GW11]. **Normalizing** [Lee02, SRE06, ZF18, dV08]. **Normals** [GK10]. **Note** [Fri00, MR01]. **Notes** [Wic13]. **Novel** [OSR<sup>+</sup>18, ZF18]. **NPMLE** [AB17, Maa05]. **NSHP** [VM04]. **Nugget** [PW14]. **Null** [SSL<sup>+</sup>16]. **Number** [CGEMIR18, Kou14, Rup02, YKZ18]. **Numbers** [Lia98]. **Numerical** [EGO92, Som98]. **Numerically** [KN06]. **Nyström** [HM16, SS12].
- OAK** [Wic11a]. **Objective** [BHK15, DM00, GH00, HLA00, Kie00, LHY00, Men00, Wu00]. **Objects** [SSB<sup>+</sup>14]. **Observation** [KB99]. **Observational** [LSFI18, Ros12, Ros17]. **Observations** [FM10, GRG10, LGS09, PM16, SSP<sup>+</sup>18, TU11, VLNO18]. **Observed** [LH02, NFM16, PSTV15, SY07, ZWLZ17, Bak92a, Bak92b]. **Obtaining** [Fri00, KS04, LPM98]. **Occurrences** [CH99]. **Occurring** [EM18]. **Odds** [Hof01, PLIK02, ZZL18]. **Offset** [KW10]. **Offset-Normal** [KW10]. **Old** [Gas03]. **Omegahat** [Lan00]. **One** [LFS<sup>+</sup>17, Ste12, Tad17]. **One-Step** [LFS<sup>+</sup>17, Tad17]. **Online** [Cap11, KDM16, SJ05, YSD13]. **Onto** [HLP07]. **Open** [Fie12, Sha14]. **Open-Faced** [Sha14]. **Operators** [KO05]. **Opportunities** [Kos13]. **Opposing** [PRS11]. **OPTICS** [RHM18]. **Optimal** [CDP04, CR08, DASR08, DGM17, GM18, HK06, LR04, MR01, Ros12, Ros17, SHL12, Zha03]. **Optimally** [Ros12, Tan17]. **Optimization** [BRS<sup>+</sup>08, CC08, CW97, DM00, DCT08, GP11, GH00, HKP16, HLA00, Kie00, KKK08, KS99, LHY00, LPJ13, LL15, Men00, Wu00, XBW15]. **Optional** [JMY<sup>+</sup>16]. **Oracle** [KLH99]. **Orca** [SRL<sup>+</sup>00]. **Order** [BB03, CHG16, EHW03, Fea04, JV01, QM04, RYY00, SQ07]. **Ordered** [LBM<sup>+</sup>14, LKW09, MC05, BQS94, QE96]. **Ordering** [CR99]. **Orderings** [vLM97].

- Ordinal** [DK18, GLMZ15, KT03, KMQ05, TG13].  
**Ordinary** [CHW12, CGH17, Gra96].  
**Organizing** [MM97]. **Origin** [LA12].  
**Origin-Destination** [LA12]. **Orthant** [AG18]. **Orthogonally** [CT01].  
**orthonormal** [CBC93]. **Other** [RW10].  
**Oue** [FB94]. **Our** [YM11a]. **Outcome** [RNM18]. **Outcomes** [VG01, XGTB18].  
**Outlier** [DG18, HL06, MT03, PP07, WWG<sup>+</sup>97, ZB10, JP96]. **Outliers** [AR06, BH02, CR99, MM97, RA01, WJZ09].  
**Outlying** [NGH17]. **Outlyingness** [RRH18]. **Output** [FBG06, Hel04, LK02, dV08]. **Outrageous** [PRS11]. **over-dispersed** [AC95]. **Overlap** [Mel16]. **Overrelaxed** [Yu12].
- P** [Ano08a, AGV12, BMC05, LB04, SL10].  
**P-splines** [Ano08a, AGV12, LB04, SL10, BMC05].  
**Package** [BY18]. **Packet** [CCS03, GVBM04]. **Page** [Mur99]. **Pair** [BC16, LR04, VN18]. **Pair-Copula** [BC16, VN18]. **Pairs** [EGS<sup>+</sup>13, Fri14].  
**Pairwise** [HO10, Mel16, Pie04]. **Panel** [LG03]. **Paradox** [Eld03]. **Parallel** [Bro06, JRS11, LYG<sup>+</sup>10, LWLY17, MJVB18, MMV13, Mou09, MLJ16, Paa99, PCG<sup>+</sup>14, RHC<sup>+</sup>14, RTL07, Šev04, SWC<sup>+</sup>10, TNKK16, YWL<sup>+</sup>15, YLW17]. **Parameter** [BRS11, Eve12, FS18, HM15, LD06, MBM18, NFM16, Sin02, TS13, XCSP16, YSDJ15].  
**Parameterizations** [GvDHB08].  
**Parameters** [CHW12, ZW07, EGO92].  
**Parametric** [CS14, DG14, KS04, WH98].  
**Parent** [MMO01]. **Parsimonious** [CH16, FQH16]. **Part** [KK09]. **Partial** [DS00, DG05, Fri99, GKZ10, WR05].  
**Partially** [LR05, LBCG16, MJVB18, PvD09, VJ15, YZ07, ZHJ16, ZWLZ17, BQS94].  
**Particle** [Ano07a, Fea02, Fea05, GP11, KP03, MLJ16, NFM16]. **Particular** [Fal99].  
**Partition** [GD16, Mei11, MQR11].
- Partitional** [HH11]. **Partitioning** [HDRM05, HHZ06, IW10, OSR<sup>+</sup>18, ZHH08].  
**Path** [AT16, Hoe10, LSV<sup>+</sup>09, RMR<sup>+</sup>17, ZL16, ZL13]. **Path-Following** [ZL16].  
**Paths** [Ho06, Tad17]. **Pathwise** [LPJ13].  
**Pattern** [HC07]. **Patterns** [DG14, EM18, LA12, MM09, MRCM18, SMN15, YL99].  
**PC** [KB08]. **PC-Algorithm** [KB08]. **PCA** [JWH16, SBJ17]. **Peak** [GK97]. **Peeking** [GKBP15]. **Penalization** [SMB14].  
**Penalized** [Ano08a, BMC05, BHK15, CHW12, CRC<sup>+</sup>07, DT13, FKLW08, Fu98, GBW17, GTZH16, GBC<sup>+</sup>11, HPOL14, KO09, KCK08, LPHK16, Lin99, LLZ09, LVH17, MBGO11, NST12, Par05, PW15, RMWH17, Rup02, SBJ17, SSMN16, TCCSB10, TGP03, YSK<sup>+</sup>10, YH17, YF14, YLW17]. **Penalties** [CGR17, HEF17, LB15, LW07, MPS17].  
**Penalty** [Efr05, FS18, KK09, SBR10].  
**Perfect** [GHW02]. **Perform** [LYG<sup>+</sup>10].  
**Performance** [CS93, MM10]. **Performing** [YK09]. **Permutation** [WLWM16].  
**Persistence** [MGL18]. **Perspective** [dR07].  
**Perturbation** [CZSL10]. **Perturbative** [PRHP14]. **Phase** [ZKS18].  
**Phase-Amplitude** [ZKS18]. **Phases** [FCL10]. **Phylogenetic** [CH12, MN97, WB18b]. **Physical** [LPS99].  
**Physics** [KP03]. **PICTs** [JH98]. **Piecewise** [GN17, Kat10, KO05, MVR02, OT11, WJG11]. **Piling** [LAJ13]. **Pillai** [Mul98].  
**Pillai-Bartlett** [Mul98]. **Pivotal** [LF16].  
**Plackett** [Gas03]. **Plaid** [MM14]. **Plane** [AHNC13]. **Pleiotropy** [XCSP16].  
**Pleistocene** [RL14]. **Plio** [RL14].  
**Plio-Pleistocene** [RL14]. **Plot** [BY04, BBLG13, EGS10, EGS<sup>+</sup>13, Fri13b, GB00, GF15, LACRM06, LN09, dSM04, Fri14].  
**Plots** [BEM13, Fri07, GKBP15, Gra13, GW15, HH11, HWK17, HMS97, HS10, LFZ97, Mou09, MHS11, Mur99, MI00, PV04, SS11].  
**Plotting** [GMF16]. **Plug** [BF02]. **Plug-In**

- [BF02]. **Plus** [BHS00]. **Point** [BCST13, Cai99, CS98, CH16, DG14, EM18, HC07, L CSL14, LA12, MLP07, MGL18, MRCM18, RL14, SG17, WR05]. **Points** [CR08, Laz05]. **Pointwise** [Efr05]. **Poisson** [FW13, Fri00, FN04, GRM09, HL03, LPM98, LFT17, Mar10, OC01, QYZ16, Sco99, YK01]. **Polya** [HMJ11, JHL09, JMY<sup>+</sup>16]. **Polyclass** [KS99]. **Polynomial** [BHF02, EB02, Sam15, TW96]. **Pooling** [GR99]. **Population** [CGMR04]. **Populations** [GRVE18, KTS17]. **Portfolios** [BO05]. **Posed** [KN97, RO94]. **Positive** [AHNC13, GW18, LS04, ZRL14, MS93]. **Positivity** [OC01]. **Possibilities** [Lan00]. **Possible** [BL04]. **Possibly** [DR18]. **Post** [CR98]. **Post-Processing** [CR98]. **Posterior** [BRS11, BRS12, CGR06, CYS09, Coz99, GD09, GW11, Guh08, Hel04, Lee02, ZB10, Tho93]. **PostsMOOTHING** [QS09]. **Potts** [MSS08, MW14, MQ17]. **Power** [AVW13, BMO01, FN16, PCP11]. **Power-Conditional-Expected** [FN16]. **Powered** [MR16]. **Practical** [BGL18, GF16, KHM05]. **Pre** [Bro06]. **Pre-Fetching** [Bro06]. **Precision** [AAN17, Fri13b, KKS17, Mai97, SLBV18, WB18a]. **Predetermined** [RS01]. **Predicted** [DPS11]. **Predicting** [SH03]. **Prediction** [BMW17, De 05, DCS16, ESR<sup>+</sup>14, FH15, HDRM05, HCG02, TW05, WH14, XP07, ZWLZ17, ZW10]. **Predictive** [CYS09, LS05, ZB10]. **Predictor** [KPC02, LJZD05]. **Predictors** [CTC09, CL09, HY17, SBZ13, SH06, WCR13, XGBTB18]. **Presence** [BBvdW16, CGJ09, SMS<sup>+</sup>14]. **Prevalence** [FCWM17]. **Preview** [Lev12, Lev13b]. **Principal** [CRGS17, Dan97, Fal99, Far12, GJL<sup>+</sup>10, GAZ15, HLH15, HM16, JU00, JTU03, LRB12, LW09, LSH16, LO16, MHH15, Par05, PP09, RMWH17, WH17, YLM17, ZP14, ZCY<sup>+</sup>11, ZHT06]. **principles** [Tuk93a, Tuk93b]. **Prior** [Coz99, GDM14, GD09, GM18, IJ02, LD11, LLM09, LHK17]. **Priors** [DV04, DH03b, FN16, GD16, GR99, HC98, NM98, TH09, Tok07, WP13]. **Probabilistic** [HLH15, Rap01]. **Probabilities** [AG18, CB01, GDS02, Gas03, GKT18, GB02, Som98, SH97, WK17]. **Probability** [Bor11, Coz99, FKH07, Hel04, LFZ97, NLF<sup>+</sup>06]. **Probit** [MC05, TDM12]. **Problem** [CC08, LF16, LH15c, PI10, TAS<sup>+</sup>17, Zhu17]. **Problems** [BCDL17, BK03b, CDP04, CCHS08, FS18, GBW17, GV01, Gv97, HM09, Kat10, KN97, LGS09, MS18b, OC01, OT11, Paa99, PRS11, RW10, Vel08, JP96, RO94]. **Procedure** [JN04, Qiu02, SMK15, XGH11, XGT15, YK01]. **Procedures** [AG05, LG07]. **Process** [ACS17, BCST13, BGL18, CS18, CW97, DH03b, GK02, GP11, GA15, GHW02, IJ02, JN04, Len03, L CSL14, LHK17, MM98, MR16, NBH<sup>+</sup>15, Sco99, Tok07, WD11, YK01, ZNYJ14, ZLR18]. **Processes** [BMG16, Cai99, CHG16, CH16, CP18, DZZ06, HCG02, Lee07, L CSL14, MP16, MLP07, NST12, SG17, SY07, SSL17, WR05, Whi01, WJG11, MW96, WC94]. **Processing** [CR98, FT16, JYYZ18, Lev12, Lev13b, YWL<sup>+</sup>15]. **Processor** [Rho03]. **Product** [MQR11, WH14]. **Profiles** [CJ02]. **Program** [LBM<sup>+</sup>14, MC17, Paa99]. **Programmers** [Cha00]. **Programming** [Joh13, LKW09, SWC<sup>+</sup>10, dVTP<sup>+</sup>17]. **Projecting** [HLP07]. **Projection** [BK03a, CBC93, GH18, IW10, LCKL05, MJ18, PP05, QLCZ15, WS02a, WLWM16]. **Projection-Based** [GH18, IW10]. **Projections** [CB97, OFR<sup>+</sup>18, SLR16, FB94]. **Projective** [GM99]. **Prony** [KMOS92]. **Proof** [LZ18]. **Proof-of-Concept** [LZ18]. **Propagation** [MBS04]. **Proper** [NM98]. **Properties** [BF02, CVA08, ES98, RS01, Ste13]. **Proportional** [SS11, XGH11, XGT15]. **Proportions** [Kwo98]. **Proposals** [HMJ11].

**Prosecution** [FB94]. **Providing** [MI00].  
**Proximal** [TZ06]. **Proxy** [RL14]. **Pruning** [FWR12]. **Pseudo** [DIR02, HO99, Len09].  
**Pseudo-Bias** [Len09]. **Pseudo-Likelihood** [DIR02, HO99]. **Pseudolikelihoods** [BFM18]. **Publications** [Ano01b, Ano02a, Ano02b, Ano02c, Ano02d, Ano03b, Ano03c, Ano03d, Ano04a, Ano04b, Ano04c, Ano05a, Ano05b, Ano05c, Ano05d, Ano06c, Ano06d, Ano06e, Ano06f, Ano07c, Ano07d, Ano07e, Ano07f, Ano08d, Ano08e, Ano08f, Ano08g, Ano09c, Ano09d, Ano09e, Ano09f, Ano10c, Ano10d, Ano10e, Ano10f, Ano11c, Ano11d, Ano11e, Ano11f, Ano12c, Ano12d, Ano12e, Ano12f, Ano13c, Ano13d, Ano13e, Ano13f, Ano14c, Ano14d, Ano14e, Ano14f, Ano15c, Ano15d, Ano15e, Ano15f, Ano16d].  
**published** [Ano12b, OLN11a]. **Publishing** [LTW<sup>+</sup>10]. **Pursuit** [BK03a, LCKL05, PP05, CBC93].

**QGPCP** [Mou09]. **Quadratic** [Ano06a, KGMT06, Vel08, Wan18].  
**Quadrature** [CZ02, GM18, PC06].  
**Quantification** [XBW15]. **Quantifying** [BL17, RHM18]. **Quantile** [BY04, BEM13, Che07a, Dia99, DGW09, HL00, Hut02, LZ08, OLN11a, OLN11b, OT11, PLH10, PW15, RF17a, Ros17, SK10, STZM09, YNH18, YH17, YLW17].  
**Quantiles** [Bre04, CGR06, KHM05, MT00, PLH10].  
**Quantities** [TW96]. **Quantization** [Bra02, BFE<sup>+</sup>03]. **Quantized** [Mou09].  
**Quasi** [Ano07a, BCH05, Fea05, HYL<sup>+</sup>17, Lia98].  
**Quasi-Monte-Carlo** [Ano07a, Fea05].  
**Quasi-Newton** [HYL<sup>+</sup>17].  
**Quasi-Symmetry** [BCH05].  
**Quasicomplete** [Ish99]. **Question** [HR11, YM11b]. **Quick** [Kwo98].

**R** [BY18, RTL07]. **Radial** [BRS<sup>+</sup>08, CZ02].  
**Rainbow** [HS10]. **RAMlet** [ST04].

**Random** [Ano07a, BFM18, CC13, CS98, CDFB11, CK08, De 05, DH10, DZFZ18, DIR02, ES98, Eve12, Fea05, FN16, FPRW09, Fri13a, GW18, GW11, Guh08, HHC03, HC11, HPA14, LRO18, Lia98, LPJ13, LSFI18, Mah17, MH17, MKK18, ML08, NLF<sup>+</sup>06, PCP11, PP07, RYY00, Rya03, STM15, SH06, Ska02, SS06, SLR16, Ste12, Sue12, TH09, TAS<sup>+</sup>17, TA12, TG13, WK17, XNN16, XGBT18, YK09, YS10, ZF18, DES93].  
**Random-Direction** [CS98]. **Range** [HEF17, HGK10]. **Rank** [BMG16, CHW08, CSK10, HS18, Kus06, MS18b, PRHP14, TSH16, ZRL14, MS93].  
**Rank-Based** [ZRL14]. **RAPTT** [SLR16].  
**Rate** [BGLM18, HHGG01, Jör09, ZZL18, Gra96].  
**Rate-Distortion** [Jör09]. **Rates** [GRM09, Hob08, SH17]. **Ratio** [BBLG13, FKH07, GCKP08, PLIK02, Zho05].  
**Ratios** [Ano06a, Hof01, KGMT06]. **Raw** [LPPT17]. **RC** [KNN05]. **Real** [HMW06, LBW14, MDD<sup>+</sup>12]. **Real-Time** [HMW06, LBW14, MDD<sup>+</sup>12]. **Realized** [SM13]. **Really** [Bri11, FK11, Gel11a, Gel11b, Wai11, Wil11].  
**Recapture** [BBLG13]. **Recentered** [MMN<sup>+</sup>13]. **Reclassification** [Hea11].  
**Recognition** [BMO01, FHVW03, NGH17].  
**Recognize** [MMO01]. **Recombine** [XW18].  
**Record** [RL14]. **rectangular** [QE96].  
**Recursive** [HHZ06, OSR<sup>+</sup>18, TA12, VM04, ZHH08].  
**Recycling** [CR98]. **Reduced** [GR12a, Kus06, MPR<sup>+</sup>12]. **Reduced-Rank** [Kus06]. **Reduction** [CL09, Hen04, HV05, HY17, Lia98, Maa05, SY16, SBJ17, Vel08, WY15, YC04, ZYKC08, ZYZ10].  
**Redundant** [GvDHB08]. **Reemployment** [KK09]. **Reference** [RW99]. **Regeneration** [BK05, TH09]. **Region** [GB12, SHMD<sup>+</sup>14].  
**Regional** [BCD11]. **Regions** [BL04, CDP04, MB18, Som98].

- Registration** [Big06, EH17, LHK17].  
**Regressing** [XMY13]. **Regression** [Ano08a, AR06, BMC05, BB03, BRB17, Bil00, BJJ98, BBvdW16, CTC09, CKNK06, Che07a, CHW08, CT01, CW97, CDFB11, DR18, DK18, DCV10, ET99, EC14, FG05, FM12, Far04, GK06, GRB<sup>+</sup>13, GBC<sup>+</sup>11, GHC14, HL06, Her97, HK10, HRM02, Hug15, HL00, IL16, JWB13, KLSR05, KO09, KLH99, KSM<sup>+</sup>18, KHM05, Koo97, KS11, LGS13, LRO18, LB15, LZ08, LX16, LPHK16, LCWW17, LJZD05, Loc18, LR14, LBW14, MP16, MAJ<sup>+</sup>98, Mar10, MKK18, MDC17, MQR11, MQ17, NY14, NTVK12, OLN11a, OLN11b, OT11, Par01, PLH10, PHK14, PW15, PCG<sup>+</sup>14, QLCZ15, QY97, Qiu02, RHC<sup>+</sup>14, RMWH17, RF17a, RLZ10, RKL03, SS11, SBY06, SBWZ08, Sam15, SBZ13, SMK15, Smy02, SW18, SWF04, SQ07, TRS97, TCCSB10, TW96, TL07, TG10, Wan08, WL08, WK09, WH14, WS02b, WKC<sup>+</sup>08, WCR13, Wu08, WLM10].  
**Regression** [XWZ15, XY14, YNH18, YKW03, YSK<sup>+</sup>10, YH17, YC04, YF14, YWL<sup>+</sup>15, YLW17, ZZZS17, ZOR12, ZCO15, ZZ08, ZH05, ZYZ10, BG92, BQS94, Gra96, LS93, QE96].  
**Regressions** [CL09, Fu98, HDM02, HJR03].  
**Regularization** [All13, CMJ11, FS18, Kat10, KN97, LH15b, MBM18, MBGO11, Tad17]. **Regularized** [CH09, GN17, Kus06, WH17, Yua08].  
**Regularizing** [RIC<sup>+</sup>16]. **Regulation** [CZZ15]. **Reinforced** [LY11, ZLWZ16].  
**Reject** [CR98]. **Rejection** [GT11, Tan06].  
**Rejoinder** [Ano99, Gel04b, Gel11a, HLA00, VM01, YM11a, FB94, Tuk93a]. **Relabeling** [RW14]. **Related** [HK06, LYHM15, LD11, OT11, KMOS92].  
**Relational** [Hof09]. **Relationship** [BM99, God01]. **Relationships** [HM11, Hob01b]. **Reliability** [KM03].  
**REML** [LPJ13, Smy02]. **Remote** [BFE<sup>+</sup>03]. **Removal** [Ano13g]. **Renewal** [CS18]. **Reparameterization** [LD06].  
**Reparameterizations** [KLR18].  
**Reparameterized** [CYS09]. **Repeated** [TRS97]. **Repelling** [TMvD18].  
**Repelling-Attracting** [TMvD18]. **Reply** [Tuk93b]. **Reported** [XGTB18].  
**Representation** [HABV06, Kel11, Pie04, QG06, SSP<sup>+</sup>18, Wu11]. **Representations** [Wil96]. **Representing** [MC18].  
**Reproducible** [GL07]. **Repulsive** [SG17].  
**Resampling** [HSM09, MLJ16, Tan15].  
**Rescaling** [CR98]. **Research** [GL07, LBM<sup>+</sup>14]. **Residual** [BCST13, Dia99, LH15c, XMY13, ZMH07].  
**Residual-Based** [ZMH07]. **Residuals** [BY04]. **Resolution** [HMS97, HCG02, RIC<sup>+</sup>16].  
**Resolution-Consistent** [HCG02].  
**Resonance** [EFG<sup>+</sup>99]. **Resources** [BP98].  
**Response** [CDP04, CW97, GPGMFB14, MM09, SHL12, TS13, VL09]. **Responses** [MKK18]. **Restoration** [CW00, GJ97, Glu04]. **Restore** [VM04].  
**Restricted** [CJ09, GCKP08, RF17b].  
**Results** [PRHS18]. **Returns** [NAB16].  
**Revealing** [Gra13]. **Reversible** [KA13, ML08]. **Review** [Lev11]. **Revisited** [CT01, GX01]. **Reweighted** [LP07].  
**Reweighting** [ZB10]. **Rhythms** [FCL10].  
**Richard** [Tuk93a]. **Ridge** [Fri13b, HQT92, PGR15]. **Ridgelines** [LL12]. **Right** [Lee07]. **Ring** [BW17]. **Risk** [BO05, BOW02, KK09, MAJ<sup>+</sup>98, ZJRI10].  
**Road** [MMW98]. **Robust** [BHS04, CC08, CP16, CHW08, CS14, CRS06, HL06, HR05, HRV12, JK00, KN06, PP07, PLW01, PV04, PWPS97, SS01, SH00, VM04, WLZB07, WJZ09, WYL14, WL13b, XL17, dLG01, LS93]. **Robustification** [KB08]. **Robustifying** [JHL09].  
**Robustness** [Hsi99, LS97, LL11]. **ROC** [TZ12]. **RODEO** [Sam15]. **Role** [OC01, STM15]. **Root** [OR99]. **Root-Root** [OR99]. **Roots** [AAN17, Gri99]. **ROPE**

- [KKS17]. **Rotated** [JU00]. **Rotation** [Par05, RB02]. **Rotational** [SJH<sup>+</sup>15]. **Roughening** [SL99]. **Roughness** [SBR10]. **Routine** [WCDS03]. **Rubin** [Gel17]. **Rule** [GF16, SD03]. **Rules** [LB15]. **run** [CS93]. **Runs** [ZHJ16].
- S** [Tuk93a, BHS00, Ho06, TCCSB10, MMGG16]. **s-CorrPlot** [MMGG16]. **S-Estimation** [TCCSB10]. **S-Paths** [Ho06]. **S-Plus** [BHS00]. **Saddlepoint** [ZBY09]. **Same** [XMY13]. **Sample** [AAN17, BO05, CGJ09, GB00, KTS17, Kwo98, Mey18, SS12, SLR16, TAS<sup>+</sup>17, ZB10]. **Sampler** [HMJ11, Hob01b, HSC18, KM15, Lia98, LFT17, Owe17, RS01]. **Samplers** [HJ09, PvD09, VS17, VJ15, CS93]. **Samples** [CR98, GMP04, HM15, Mül99, Pan99a]. **Sampling** [ACG14, Béd08, BR02, CS98, CC18, CGL11, CYS09, DW01, DBS06, EC17, FW13, FQH16, GT11, HC98, HM16, HB98, Ion08, KA13, LGS09, Lee07, LSV<sup>+</sup>09, LL10, MMN<sup>+</sup>13, MS02, NP01, NM98, NL04, Oeh98, Par01, SNB<sup>+</sup>01, SRE06, TH09, TDH15, Tan17, TGHL14, TüC08, WLZD11, ZBB06, JP96, SC92]. **Sandwich** [Sha14]. **Satellite** [HCG02]. **Satellites** [KB99]. **satisfying** [MS93]. **Scagnostics** [WW08]. **Scalability** [EK02]. **Scalable** [SMN15]. **Scalar** [GPGMFB14, GHC14, RMWH17]. **Scalar-on-Function** [RMWH17]. **Scalar-on-Image** [GHC14]. **Scale** [GMC02, Gv97, HAC<sup>+</sup>12, HYL<sup>+</sup>17, KLR18, LMST18, LWLY17, LVH17, MS18a, PHK14, STZM09, UKZ18, YLW17, ZLR18]. **Scale-Space** [PHK14]. **Scale-Usage** [HAC<sup>+</sup>12]. **Scaling** [BSL<sup>+</sup>08, HSM09, Par18, RB02, XGH11, XGT15]. **Scan** [DKH06, NP01, PTP03]. **Scanning** [SSMN16]. **Scatter** [HRV12]. **Scatterplot** [DS00, MMGG16]. **Scatterplots** [ET99, EH05]. **Scenarios** [DW02]. **Schemes** [BK05, NL04, SNB<sup>+</sup>01]. **Science** [BW17, Don17, FS99, Hic17, HV17, MC17, MHB17, Pen17, Zhe17, HJ17]. **Scope** [GI00b]. **Score** [FBG06, NFM16]. **Screening** [LP14, XL17, ZCO15]. **SDE** [Pic14]. **Sea** [PRS11]. **Search** [MM09, MR16, SC08, TK99, Ros93]. **Second** [Fea04, SQ07]. **Second-Order** [Fea04, SQ07]. **Section** [BKM99]. **sections** [FB94]. **Secure** [KLSR05]. **Seemingly** [HDM02]. **Segmentation** [BCDL17, Joh13, NST12, QS09, YK01]. **Seidel** [GRM09]. **Select** [ES02]. **Selecting** [GKZ10, Rup02]. **Selection** [All13, AGV12, BFM18, BHK15, BGP03, BMW17, CTC09, CHH10, CZSL10, CL12, CCYW16, CS14, CGJ09, CGL11, EHW03, FK16, FS18, FN16, GTZH16, GHC14, GB12, HPOL14, HM09, HM11, HM15, HY17, HML18, HRM02, HHKS11, HHTB10, Hur00, JS13, Jör09, LGS09, LGS13, LL12, LPJ13, LW07, MBM18, MD13, NY14, NG04, NL04, Ops04, Pan99a, RL14, SBZ13, ST99, SMK15, SHFT18, Su15, TRWB16, TRS97, TüC08, Wil00, XZ12, YKW03, ZHZ12]. **Selectivity** [LG03]. **Selector** [MMRMGMGC08]. **Self** [CH16, HSC18, MM97, Tar99, XGBTB18]. **Self-Consistency** [Tar99]. **Self-Exciting** [CH16]. **Self-Multiset** [HSC18]. **Self-Organizing** [MM97]. **Self-Reported** [XGBTB18]. **Semi** [BCH09, BFE<sup>+</sup>03, CM08, DZ99, Gué03, KT03, SBJ17]. **Semi-** [BCH09, KT03]. **Semi-Adaptive** [DZ99]. **Semi-Integrated** [SBJ17]. **Semi-Markov** [Gué03]. **Semi-Streaming** [BFE<sup>+</sup>03]. **Semi-Supervised** [CM08]. **Semidefinite** [ZRL14]. **SEMIFAR** [BF02]. **Semiparametric** [AG05, Bil00, BBvdW16, CKNK06, CHH10, CG07, CGJ09, Dan12, ERPG11, Guh08, HJ04, Len03, LBW14, MQ17, OR99, PTP03, SMS<sup>+</sup>14, ST99, SM13, SL10, TZ12, TAS<sup>+</sup>17, WK09, ZRL14, ZL16]. **Semismooth** [YH17]. **Semisupervised** [Cul13]. **Sensing** [BFE<sup>+</sup>03]. **Sensitive** [LZ18, Wan13]. **Sensitivity** [CCHS08, VG01]. **Separability** [LL12].

**Separation** [Ish99, TZ12, ZKS18].  
**Sequence** [Hob08, MW04]. **Sequences** [Gué03, QN00, QM04]. **Sequential** [BK03b, DBS06, DMP14, FKH07, GF16, GP11, HT17, HS08, LJN<sup>+</sup>17, MDC17, WDB96, YSDJ15, ZNYJ14, ZJA16].  
**Sequentially** [WC06]. **Seriation** [EH15].  
**Series** [BM99, BH02, CH09, CCH16, CD14, Dan97, DGW09, Fea05, FCL10, GVBM04, Gri99, HMP96, MVR02, NYC15, PVH05, PSY09, QGL09, SBE17, SH17, ZHJ16, Ano07a]. **Set** [AG18, Kle04]. **Sets** [Coz99, SK10, SH00].  
**Setting** [CM08, IL16]. **Settings** [Spa05].  
**Setup** [PKH15]. **Several** [SG05, YT99, HVRA96, Tuk93a, Tuk93b].  
**SFO** [Wic11a]. **Shadings** [ZMH07].  
**Shadow** [LLM09]. **SHAH** [FT16]. **Shall** [KB99]. **Shape** [BB06, GM99, Kle06, KW10, NGH17, PA14, PWPS97, UKZ18, FT16].  
**SHape-Adaptive** [FT16].  
**Shape-Constrained** [PA14]. **Shaped** [DKH06, DCT08]. **Sharpening** [BH01].  
**Shift** [Cai99, HB16]. **Shingo** [FB94].  
**Shocks** [SG05]. **Shorth** [EGS10]. **Shotgun** [MR16]. **Shrinkage** [DXL12, DV04, Efr05, yG98, JWB13, LT98, LHL03, WP13, ZL16].  
**Sign** [DJ04]. **Signal** [Hoe10, JYYZ18, TG10]. **Signature** [FCL10]. **Significance** [GW04, GMC02, HLYM15, Jör09]. **Signs** [VH15]. **Similarity** [MBS04]. **Simple** [CJ02, RTL07, SSP<sup>+</sup>18, Bak92a, Bak92b].  
**Simplified** [JU00]. **Simulated** [CW00, Glu04, IP04, JB03, Sin02, SY07].  
**Simulating** [Hes98, LD06, MM10, Whi01].  
**Simulation** [BMR15, BGL18, Bre04, BK05, Bro06, CP18, EM07, GR99, GŠP<sup>+</sup>06, GW11, GHW02, Guh08, Hof09, HHH12, KGM18, LYG<sup>+</sup>10, Len09, LJZD05, SHL12, Ste02, Ste12, WC94, dLG01]. **Simulation-Based** [HHH12, LJZD05, SHL12, dLG01].  
**Simulations** [AR06, BG98, FBG06, LZ18, Šev04, Hes95].

**Simultaneous** [GD16, Hel04, Jör09, Kwo98, LG03, LJZD05].  
**Simultaneously** [DCV10]. **SinaPlot** [SSP<sup>+</sup>18]. **Sine** [VH15]. **Single** [PVH05, SSP<sup>+</sup>18, SN10, YZ07, ZHZ12, ZHJ16].  
**Single-** [ZHJ16]. **Single-Index** [PVH05, YZ07]. **Singular** [GPPVW17, GR08, YMB14, ZMSZ07]. **Size** [Kwo98]. **Sizer** [PLH10, HL06]. **Sizes** [GMF16, LFS<sup>+</sup>17]. **Skewed** [Mah17, MKK18]. **Skewness** [BHS04]. **Slice** [LL10, TGHL14, FW13]. **Sliced** [Wu08, WLM10, ZYKC08]. **Slings** [PRS11].  
**Smale** [GRB<sup>+</sup>13]. **Small** [BO05, FRW05, HY17, Pan99a, WK17].  
**Small-** [HY17]. **Smooth** [EM02, GHC14, KK09, TL07, ZW07].  
**Smoothed** [KLH05]. **Smoother** [CGH17, MB18, SHMD<sup>+</sup>14, Kit96].  
**smoothers** [Gra96]. **Smoothing** [BM99, Che07a, DS03, EH05, EHW03, FHTG05, GW93, HPA14, HM15, IJ02, LX16, LTW07, NST12, OLN11a, OLN11b, PRHP14, QG06, SAT04, SL99, WL08, WK09, XW18].  
**Social** [Eve12, HKS12, JL13]. **Soft** [HLYM15, SSL<sup>+</sup>16]. **Software** [BB03, Cha00, CGR06, Gra07, HK17].  
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**Space** [CH99, DZZ06, EM18, GMC02, HLP07, HK98, MHS11, NFM16, NW10, PHK14, QG06, RNHY12, Smi01, ZW07, Kit96].  
**Space-Time** [CH99, DZZ06]. **Spaces** [HK10, TRWB16]. **Sparse** [CCYW16, CZZ15, DZZ16, DXL12, DR10, GTZH16, GJL<sup>+</sup>10, LW09, LS04, LSH16, LCWW17, LWZ14, LBCG16, MJVB18, MDC17, MC18, NT17, PP09, QLCZ15, RLZ10, SLBV18, SSBW17, SFHT13, TDM12, TW14, WL09, WZ16, WZSF18, WL13b, YMB14, ZHT06].  
**Sparse-Group** [SFHT13]. **Sparsity**

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