

A Bibliography of Publications about the *R*, *S*, and *S-Plus* Statistics Programming Languages

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(Q, r) [OOSM18]. **\$109.95** [Has18]. 2
[EN11, Grö14b]. 2×2 [ILS11]. 3
[GGK10, LPLPD14]. 4 [Asq14, HWY18].
\$85 [Ano03b]. **\$95.00** [Aji17]. **\$99.95**
[Liu18]. = [Sar06]. ² [Sar06]. α
[LPLPD14, dVSWAL17]. \cdot [Sar06]. *K*
[KSBZ16, PG15, Lei10]. *L* [Asq14]. *n*
[HMR⁺13]. *p* [MF15]. *s* [HJM08]. *t*
[AHvD09, HJM08, ML13]. *z* [HJM08].
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-function [PG15]. **-Gram** [HMR⁺13].
-Level [Grö14b]. **-Means** [KSBZ16].
-Modes [Lei10]. **-moments** [Asq14].
-Parameter [HWY18, Asq14]. **-Shape**
[LPLPD14]. **-Stable** [dVSWAL17].

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R D11g]. **20th** [Ano95a]. **242** [IDE15]. **25th**
[DO94]. **2nd** [Ano09, Ano10, Ano12a,
Ano12b, Bos09, CH11b, Dem17, DN17,
Edd09a, GR18, Grö15a, Hel15, Hel18,
Hew05, KK99, Kha17, Lor18, Lu18, Man03,
Pfa12, Qia10a, Ree18, SCD07, Sch08].
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Abstraction [BLM+15]. **Abundance**
[Fie12, FC11]. **Accelerated**
[CKY14, HXY12]. **Accelerating** [ES14].
Acceptance [CC11, Kie08].
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accessibility [Aji17, Fri16]. **Accessing**
[DC09]. **Accuracy** [NAA17, AGM07].
Accurate [AGM07]. **Achim** [Mye09, Sco09].
ACM [The99]. **Acoustic** [OS95].
Acquiring [Grö18a]. **across** [GW18]. **ACS**
[Gle16b]. **action** [Kab11, Edd12b]. **Active**
[dLHM09]. **actuar** [DGP08]. **Actuarial**
[Cha15b, Dur15, DGP08, Spe13]. **ada**
[CJM06]. **adabag** [AGG13]. **Adaptive**
[AHvD09, Cha08b, DHM11, MR12, MMB15,
MJGM10, PT07, PT09, WLK08, ZS17,
Ros07, SA15, O'B08, Rob09]. **Add** [SH17].
Additional [CFSR15, Den16]. **Additive**
[AC07, BKL05, Chi07, GR18, Han06a, HC05,
KV13, LC10, Mai06, Rob07, Sch11, SR07,
UAK+15, Woo06]. **ade4** [BD18, TD07].
ade4TkGUI [TD07]. **adimpro** [PT07].
Adjacent [dLHM09]. **Adjustment**

[KK15, KMTS14, SE18]. **Administration** [R D11d]. **AdMit** [AHvD09]. **ads** [PG15]. **Advanced** [Lan17a, Lan14b, ACG⁺16, Ano13, Lan14a]. **Advances** [Vin10, Str10]. **Advection** [SKS15]. **Advection-Diffusion** [SKS15]. **Africans** [Tyn16]. **AFS** [Ano99]. **After** [Mar06]. **aftgee** [CKY14]. **Age** [Jon07]. **Age-structured** [Jon07]. **Agglomerative** [Mül13]. **aggressive** [SWHJ17]. **Aid** [NV11]. **air** [PD08]. **Airbnb** [BCG18]. **Ajay** [Mat15]. **Akers** [Mor03]. **al** [Lud13]. **Alain** [Bai11]. **Alan** [Bat08b, Has18, Ng09]. **Albert** [Cho09, Pol11a, Bau14]. **Albrecht** [AA12]. **Aldo** [Ros10b]. **Alexandria** [Ano99]. **Algebra** [Fie15, Kha16, Liu16b, ES14]. **Algorithm** [CLL17, HC05, KSBZ16, ML13, PK08, dLHM09]. **Algorithms** [GFS14, How18, Lab12, MJR93, MYK07, MCM12, NV11, Scr13, YEL18, ZFZ10, Cic15, FGZ14, MGHR16, SS18a, Val09, WML14]. **Aligning** [CS12]. **Alignment** [KSS⁺07]. **Alignments** [Gio09]. **Allerhand** [Sen14]. **allowing** [Kom09]. **Alon** [Aji17]. **alphahull** [PLRC10]. **AMCMC** [Ros07]. **amei** [MJGM10]. **American** [IDE15, Gle16b]. **amsrpm** [KSS⁺07]. **Ana** [Bat08b, Ng09, Sco13b]. **anacor** [dLM09c]. **Analyses** [Eve94, Eve02, HM18, Hil06, Kim95, Ko95a, Lun07b, Man03, Pen08, Pfa12, Vie10, Zie02a, EH06, KKL⁺15, Til96]. **Analysing** [KWE⁺17]. **Analysis** [AL16, Ano06a, Ano12b, Arm19, BL14a, BP12, Bea17, Beb13, BC81, BC84a, BC84b, BBG12, BK17, Blo14, BPGC14, BDdM11, BPB09, BD18, Bow10, Bur10, Bur12, CHT98, CFHBK11, Cha86, CKY14, CFSR15, CS07, CO16, Dav95, Den98, Dia06, Dia05, Duo07, DHF15, EE07, EL09, Eva11, Fal12, FBdF12, Fel12, Fer11, FDGD16, Fle11, FC12, FM08, FKP17, FGEMI12, GP12, GK16, GKD14, GZ11, GK14, GCA12, GDMB08, GT10, GVM16, Gröl15a, GV12, HD18, HSL11, Han05, Han98, Har01, Has18, Hec07, HH15, HP09, Hla16, How16b, HSG12, JM15, JD15, Jon07, Kav15, KK15, Kee18, Kha18, KE14, Kos15, Kos16, Kus03, Lal17, LRGTA12, LJH08, Lei10, Lep14, LFF17, LZHC17, LL11, LC10, LRN18b, dUJ13, Lor18, Lun07a, LCSC14, MF14, Mai08]. **Analysis** [Mai11, Mai14a, MdL10, MC97, Sta93e, Mat16, MF15, MCAP19, MYK07, Meu13, NGBK12, Nor15, Num13, Obe14, Oli10b, OK14, PB15, PH16, PPGD15, Par06a, PP18, Pfa06, Pfa08a, Pol11c, Pol13, Pri05b, Qia10a, R D11a, RG96, Ree18, RJH14, RS05, Riz06, Rob19, RFKM12, RMG12, RGD12, RD92, San10a, SMM⁺15, SCK95, Sco10b, Sha16, She11, SC07, SS92, SR16, SP10, SVCB18, Sta93f, Sun15, Sun16, TV11, TMN16, TM05, TD07, TYH⁺14, Tsa10, ÜS10, Unw11, Unw12a, Utl05, VM09a, VR99, Ver18, WLH⁺18, WS11, WM14, Wic09, WG10, Wil14a, Yu12, YL17, ZQS16, Zie05, dL05b, dLM09c, dWFP11, vda07, vda12, Agr13, ACG⁺16, Ano03b, BBG16, BFA14, BC85a, Bee13, Beh12, BPGR08, Bos09, Bos12, BA97, Bro12, BG96, Car04, Car14, CCKT83]. **analysis** [Cha08a, CP11b, CP13, Cot13, Cra02, CsC08, CCP⁺11, Drä12, Eve05, EH11, GCS⁺14, HKS08, HH04, HN09, HK11, HK15, How17, HLP11, Kab11, Kee10, KH10, KC14a, Kon04, LB12, MB03, Mir14, MPV12, Mur05, Nie14, Pal15b, PCAS09, RHG09, RFGD08, RD93, Rup11, SVM⁺17, Sch08, Sha12, Shi16, SS06, SS11, Tsa13, Tsa14b, Tuk77, Unw15, VS02, Ven04, WWDS18, Wil18, WD18, Wil14b, WGE17, Wün13, Alb15, CH17, Lüt11, Lun06, Ano10, Ano12a, Edd09a, Fri12, Har07, How16a, Liu16a, O'B12a, dL05a]. **Analytical** [MBM18]. **Analytcs** [Lan17a, Mye12a, Otn17, Pod18, Sco13a, Cha15a, Lan14a, Mil15a, PK12, RN17, Rus15]. **Analyze** [EBO⁺13, GW18, MdUÁC10, BMOF17]. **AnalyzefMRI** [BDdM11]. **Analyzing**

[Arm14, BT05, BCHY09, BKL05, CB17, DHM11, Dév09, Eva14, ERH01, GRMS11, GR16, GRD13, Gos11, Grö14b, LX12, MA14, Mug10, RR11, SZ11, Sch16, SM07, BBN10, PDH16, Bau14, Daw03, Pal15a, Zie02b].

André [Unw13b]. **Andreas** [Ano03c, Ano06b, Eas03, Zie98, Zie01c].

Andrew [Han13a, Han98, Mai10, Mye12a, Ng11, O'B09a]. **Andrzej** [Mai14b]. **Andy** [Unw13a]. **Angewandte** [DK09]. **Angoff** [MF14]. **Animated** [NL12]. **animation** [Xie13a]. **Animations** [Xie13a]. **Anleitung** [Xie13a]. **Annual** [Ano95a]. **ANOVA** [Ros10b, BPSS09, DW17, Gu14].

Antagonism [BN10]. **Anwendung** [Süs93].

API [Smi17]. **app2web** [VFV13].

Appendix [TRM16b]. **Application** [BFRP13, MH07, DH97]. **Applications** [DMS14, Har01, Jon13, Lun07a, Mar12, Mü16, Nor14, O'B13, Pol13, Qia10a, dREP12, Rao14, Ros10b, Sch14, Sch17a, VFV13, BPSS09, Bia94, Bos09, Car16, CL11, CsC08, CCP⁺11, Dem13, HKS08, Hor09, JWHT13, Riz12, Sch08, SS06, SS11, Tsa14b, VP16, SS18b]. **Applied** [Arg98, BPGR08, BA97, BG96, CP13, Cow03, Fer02, Fou09, GF09, Jam96, KK99, KZ08, KM01, Lu18, Mar07, Par06b, Sco13a, Unw12a, VR94, VR02, Wei14, WGE17, Yu12, Zie00, Zie01b, Zie04, CC08b, EH11, Fox02, PK12, RFGD08, Sel98, VR97, VR99, VR00a, DK09, Has18, Bra03, Den98, Eas03, Edd09b, Han98, Lor18, Mye09, Pal15b, SL09, Sco09, Zeil6]. **Applix** [Ano99]. **Applixware** [Ano99]. **Apply** [WPW15]. **Applying** [ZS17]. **Approach** [Den98, EN11, FGEMI12, Gou10, Lal17, RLWP16, RJH14, San10a, SCS13, BBG16, BA97, CC08b, GB13, Gav10, MB03, Ohr14, OOSM18, PH16, Par06b, RN17, She09, Otn17]. **Approaches** [PU13]. **approximant** [LF15]. **Approximate** [Gra16, Ros08].

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Arnholt [Bat08b, Ng09]. **Array** [BS18, LBW18]. **arrgh** [Kor18]. **Art** [IR12, SME⁺09, Mat11, Wil11]. **ASMap** [TB17]. **aspect** [MdL10]. **Assemblage** [Yua07]. **Assertive** [Tho18]. **Assessing** [BN10, Kie08, LQC⁺12]. **Assessment** [CB17, RG96, SIRC16, Smi07, USHH18].

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BANOVA [DW17]. **Barely** [Bro14]. **Baron** [Mai14a]. **BARS** [WLK08]. **Base** [Hel16, Wei12, R D04]. **Baseball** [Bau14, Pal15a, MA14]. **Based** [AR14, AWBM18, ABGF17, BBG12, Bra15, CQZ⁺10, Cul11, FHH17, Fuj17, GFS14,

HD12, HMR⁺13, KK14, Lal17, LIL⁺15, LSPvdL17, LZHC17, LBC⁺16, Mel16, MVS13, NAA17, RBHB15, RGD12, SL09, San10a, SR18, SLS⁺12, TM05, TFR16, WMS17, Wee10, BBG16, Fou09, KF10, LF15, MB03, RRSPTR12, SA15]. **Basic** [Aiz12, Fox05b, GK14, PLR⁺16]. **Basic-Statistics** [Fox05b]. **Basics** [Ano03c, Ano06b, Bar02, Bro07, Fie15, Fox05a, Mac98, Sis03, Zie98, Zie01c, KO97, KO00, Kra05, Liu16b, Kha16]. **Basso** [Ros10b]. **Batch** [BLM⁺15, LBS17, Hof11]. **BatchExperiments** [BLM⁺15]. **Batching** [Hof11]. **BatchJobs** [BLM⁺15]. **batchtools** [LBS17]. **Bates** [Woo01, Zie01a]. **Baumer** [Liu18]. **Bayes** [JS05, KG17, Woo05]. **bayesclust** [GFC12]. **Bayesian** [Hew16, Rui17, Alb09, Alb09, ACG⁺16, BS15, BGH⁺17, BKL05, Bür17, Bur12, CF14, Cho09, DW17, EE07, GCS⁺14, GG16, Gra07, Han05, JHQ⁺11, Kom09, Lee13, LBC⁺16, MR14, McE16, MBR11, Mwil1, ND12, NAA17, OK11, Pol11a, RAM05, SP14a, Sav16, Sch11, Sch17b, Scu10, SD15, SCS13, SVCB18, SR17, TDRD15, TNM17, Ver18, WLK08, WLH⁺18, WM14, ZF15, Cha14a, Dem17, VSS⁺17]. **BayesLCA** [WM14]. **bayesTFR** [SAR11]. **BayesTwin** [Sch17b]. **BayesX** [BKL05, UAK⁺15]. **Baylac** [Mai09]. **BB** [VG09]. **bclust** [ND12]. **bcp** [EE07]. **beam** [OS95]. **beanz** [WLH⁺18]. **Beautiful** [BY18]. **Beginner** [Bai11, ZIM09]. **Behavioral** [LB12, SD18, Mai14a]. **Behavioural** [Bee13]. **Benjamin** [Liu18]. **Bennet** [Pod18]. **Bergm** [CF14]. **Bernhard** [Ano10, Lüt11]. **Bernoulli** [BS18]. **Bespoke** [NRD16]. **Best** [Nas14]. **Beta** [CNZ10, GKZ12, MP14, NAA17, CHB14]. **Beta-Binomial** [NAA17]. **Between** [SBMG06, LS16, WDT⁺12]. **Beyond** [RG96, Var14, ZUL14]. **bgmm** [BSVT12]. **Bi** [TV11]. **Bi-Parental** [TV11]. **BibLaTeX** [McL17]. **BibTeX** [McL17]. **Bidimensional** [Car13]. **BiDimRegression** [Car13]. **Biennial** [Bia94]. **big** [Kut13]. **bild** [GCA12]. **Binary** [GCA12, IDE15, KF14]. **Binomial** [DM18, KV13, NAA17, SR17]. **Binseqtest** [IDE15, KF14]. **bio** [Hel15, RB11]. **bio-ontologies** [RB11]. **bio.infer** [Yua07]. **Bioassay** [RS05]. **Bioconductor** [Ano12b, Drä12, GIH⁺05, LM14a, Dav07]. **biodata** [Wün13]. **Biodiversity** [Han07b]. **Bioinformatics** [GIH⁺05, SL05, Gen09, Ber09, Dav07, dL09b]. **Biological** [DK09, KHLF⁺10]. **biologischen** [DK09]. **biologists** [Hec15]. **Biology** [BFRP13, Dav07, HH18, Lab12, GIH⁺05, Shi16, Val09, Wün13]. **BioMark** [WF12]. **Biostatistical** [Zie00, Sel98]. **Biostatistics** [HGG08, H⁺09]. **BiplotGUI** [IGIRGL09]. **Biplots** [IGIRGL09]. **Biquandle** [FW18]. **Birds** [EBO⁺13]. **Birnbaum** [BPL09]. **bittrex** [Kan17]. **Bivariate** [KN05, Nag18, NAA17, PZK⁺12, SSV14, Ros08]. **Black** [SGHY11]. **Blind** [GL14]. **blm** [KV13]. **BMS** [ZF15]. **bnlearn** [Scu10]. **boa** [Smi07]. **Boca** [Gle16a, Grö15a, Grö16, Kha16]. **Bocard** [Mye12b]. **bomrang** [SPPP17]. **Book** [AA12, Aji17, All11b, AC04, AC07, Ano03a, Ano03c, Ano03b, Ano06a, Ano09, Ano10, Ano12a, Ano12b, Ano16, Arg98, Arm19, Bai11, Bar02, Bar18, Bat04, Bat08a, Bat08b, Bau14, Beb13, Ber09, Boo10, Bos09, Bos10, Bow09, Bow10, Bra03, Bro07, Bro10, Bul06, Bur07, Bur09, Bur10, BL11, Car16, Cha14a, Che11, Chi07, Cho09, Chr09, CH11b, Cow03, The99, Dav95, Dav07, Daw03, Dem17, DN17, Dem18, Den98, Dia06, Dia18, Dow17, Dur14, Dur15, Eas03, Edd09c, Edd09a, Edd09b, Edd11, Edd12b, Edd12a, Esp15, Eva11, Eva14, Fer02, Fis06, Fle11, Fot07, Fox05a, Fri12, Gil14, Gle16a, GR18, Gou05, Gou10, Grö11, Grö13, Grö15b, Grö15a, Grö16, Grö18a, Gro18c, Gro08, Gun06, Hac17, Hög12, Han13b, Han13a]. **Book**

[Han98, Har07, Has18, Hec07, Hel15, Hel16, Hel18, Hew05, Hew16, Hil06, Hil10, Hly09, Hof15, Hor12, How11, How16a, How16b, Hüs18, IR12, Iac15, Jam96, Jon13, KK99, Kau13, Kha16, Kha17, Kha18, Kim95, Kle17, Ko95b, Ko95a, Kos15, Kos16, Kuh10, Kum07, Kus03, Lal17, Lan17b, Law02, Laz11a, Laz11b, Leo10, Lep14, Lew16, Lha14, Lig09, Liu15, Liu16a, Liu16b, Liu18, Lor18, Lu18, Lud13, Lum01, Lun02, Lun06, Lun07b, Lun07a, Luo09, Lüt11, Mac98, Mai06, Mai08, Mai09, Mai10, Mai11, Mai12, Mai14a, Mai14b, Mal13, Mal09, Man03, Mar12, Mat13, Mat15, Mat16, McN14, McN04, Mil12, Mil10, Mor18, Mor03, Mül16, Mun14b, Mur14, Mye09, Mye12b, Mye12a, Neu11, Neu12, Ng06, Ng09, Ng11, Nie11, Nie14, Nor08, Nor09]. **Book** [Nor14, Nor15, Num13, O'B08, O'B09c, O'B09a, O'B09b, O'B10, O'B12b, O'B12a, O'B13, O'B14, Oli07, Oli10b, Oli10a, Oom10, Otn17, Pal15a, Pan15, Pav16, Pfa12, Pic09, Pie09, Pod15, Pod18, Pol09, Pol11a, Pol11c, Pol13, Qia10a, Rao14, Ree09, Ree18, Ric11, Rob12, Rob13, Rob19, Rob05, Rob07, Rob08, Rob09, Ros10b, Rui16, Rui17, Rus15, SL09, San10b, San10a, San11, San03, SCD07, Sau10, Sau11, Sau12, Sch08, Sco09, Sco10b, Sco10a, Sco11, Sco12, Sco13b, Sco13a, Sen14, Sha16, Sha11, She11, Sis03, Smi06, Soe10, Sta07, Sto11, Str10, Sun15, Sun16, Til96, Tol03, Tsa14a, Tus05, Tyl07, Unw11, Unw12b, Unw12a, Unw13b, Unw13a, Utl05, VM09b, VM09a, Veh13, Vey14, VSS⁺17, Voe09, Wan16, Wic08b, Wic08a, WG10, Wil14a, Woo01]. **Book** [Woo11, Woo98, Yal10, Yu12, Zei16, Zie98, Zie99, Zie00, Zie01c, Zie01b, Zie01a, Zie02a, Zie02b, Zie04, Zie05, dL05b, dL05a, dL06, dL09a, dL09c, dL09b, Cra07, Cra12, Laz11b, Lig09, Sta07, Gil14]. **bookdown** [Mor18]. **Books** [Mor18]. **Boosting** [AGG13, CJM06]. **Bootstrap** [DH97, HH14, Han13a, Mar12, O'B13, VW13, VdL09, CL11, ZHL11]. **bor** [SD18].

Borcard [O'B12b]. **Boundary** [DLN17, HS18]. **Bounds** [Hla16]. **Bouvier** [AC04, Woo98]. **Bowman** [Den98]. **Box** [SGHY11]. **Bradley** [Fir05, TF12]. **BradleyTerry2** [TF12]. **Brain** [RR11]. **branch** [GL15]. **Braun** [Hly09, Nor09]. **Bretz** [Che11, Ric11]. **Brian** [Ano06a, Daw03, Kau13, Ko95a, Lun06, Pfa12, Til96, Unw12a, Zie02a]. **Brief** [Bec94, EB18, RL15, FM18b]. **brms** [Bür17]. **Bruce** [Han98, Laz11a]. **Bruno** [O'B12a]. **BSP** [Röh00]. **bsppmma** [Bur12]. **BugsXLA** [Woo05]. **Building** [BCHR15, CG15, HMS16, Kuh08, SSV14, SMHBR06]. **builds** [Ano96]. **built** [FGG⁺94]. **Bundle** [Han05]. **Bureau** [SPPP17]. **Burt** [Utl05]. **Burzykowski** [Mai14b]. **Business** [RN17, Sco13a, GF09, Par06b, PK12, Otn17].

C [Has18, Sco12, Sco13b, Woo01, Zie01a, Ano99, BS13, EF11, ES14, EB18, EK12, GH18, GMF18, Mwi13b, dVSWAL17, SCS13, Smi18, Ste00, WLK08]. **C-** [BS13]. **c-tree** [Ano99]. **C/C** [dVSWAL17]. **Caching** [Pen08, SNR18]. **CADF** [Lup09]. **CAinterprTools** [Alb15]. **Calculate** [TFR16, ZFZ10]. **Calculation** [FW18]. **Calculations** [LQC⁺12, PLZ⁺15, Spe13]. **Call** [PLLC11]. **Calling** [But05]. **Cambridge** [Bar95, Pod18]. **Campagnoli** [O'B10]. **cancerclass** [JKvT⁺14]. **Candidate** [AHvD09]. **Canonical** [GDMB08, LM18, dLM09c]. **Can't** [The99]. **Capabilities** [KK14]. **Capability** [SFS12]. **Capture** [BR07]. **Capture-Recapture** [BR07]. **CARBayes** [Lee13]. **CARBayesST** [LRN18a]. **caret** [Kuh08]. **Carl** [O'B09b]. **Carlo** [Neu11, Sco10a, CGC11, DK18, LT16, MQP11, RC10, SP10]. **Carmona** [Dia06, Zie05]. **Carpal** [The99]. **Cartograms** [Pan18]. **cartography** [GL16b]. **Case** [ADH11, Bra03, Eas03, HSL11, ZFZ10, KM01, PD08, TNM17]. **Case-Control** [HSL11, ZFZ10]. **Casella**

[Neu11, Sco10a]. **Cat5** [Ano99]. **Catastrophe** [GvdMW09]. **Categorical** [Agr13, BPP17, GT10, Liu16a, MH18, Mel16, PU13]. **Categorization** [HMR⁺13]. **catR** [MR12]. **Causal** [HPWdL15, KMC⁺12, RJH14, SH17, SvdLN17, TYH⁺14, Shi16]. **Cause** [Shi16]. **CCA** [GDMB08]. **CDF** [SS19]. **CDF-Quantile** [SS19]. **cdfquantreg** [SS19]. **CDM** [GRK⁺16]. **CDVine** [BS13]. **Cell** [BFRP13]. **Censored** [AB17a, FS10a, OL17, TGJ17, Kom09]. **Census** [Alm10, Sml17]. **Center** [IEE93, IEE94]. **centered** [JPOJ12]. **Central** [Phi10]. **CGIwithR** [Fir03]. **Chain** [MQP11, VV16]. **Chained** [vBGO11]. **Chains** [Sch16]. **Chambers** [Kle17, Oli10b]. **Chan** [Qia10a]. **Chang** [O'B08]. **Change** [EE07, JM15, ZLHK02]. **Changepoint** [KE14, ACG⁺16, KE14]. **Chapman** [Gle16a, Grö16, Hac17, Has18, Kha16, Kle17, Liu18, Rao14, Rus15, Til96]. **Characteristics** [GG16]. **Characterization** [BLY18]. **Characterize** [MTPL15]. **Chart** [ZP13]. **Charts** [Anh18]. **checkr** [Tho18]. **Chemical** [Guh07]. **Chen** [Num13]. **Chernick** [Mar12, O'B13]. **chi** [CM14]. **chi-square** [CM14]. **Chichester** [Hel15, Iac15]. **Chihara** [Sco12]. **CHIWEI** [GH18]. **Choice** [Aiz12, Eva14, dREP12, Sar16, Sch11, Arm14]. **Chris** [Rus15]. **Christian** [Cha14a, Iac15, Mye09, Neu11, O'B09b, Sco09, Sco10a]. **Chromatograms** [CS12]. **Churchill** [Bar95]. **CircNNTSR** [FDGD16]. **Circulant** [DB13]. **Circular** [BFRP13, FDGD16, Mul15, OCRC14, PNR13, Lew16, Liu15, Pan15]. **CL** [Spa17]. **Class** [Bea17, Lei04, LHS08, LL11, PC11, Sho13, WM14, BBG14]. **Classes** [KR10]. **classical** [SS18b]. **Classification** [AGG13, AWBM18, Arc10, CC08a, GSD12, GZP14, LIL⁺15, Lee18, RBHB15]. **Claude** [Mai09]. **Claus** [Häg12, Neu12, Hac17]. **Cleaning** [Grö18a]. **ClickClust** [Mel16]. **Clickstream** [Sch16, Sch16]. **Client** [Ano99, AB12, CH17, Kan17]. **Climate** [HCM⁺18]. **Climatology** [Dia18, EJ13, Spa17]. **ClimDown** [HCM⁺18]. **Clinical** [CP11b, JPM19, LQC⁺12, USHH18, PFT⁺12, TPAM07, Num13, She11]. **Closing** [WDT⁺12]. **Cloud** [Mat15, Ohr14]. **clues** [CQZ⁺10]. **Cluster** [BPDD08, FGEMI12, GASA15, Hof11]. **Cluster/Multicore** [Hof11]. **Clustered** [HC05]. **Clustering** [AWBM18, AM14, BBG12, Bra15, CQZ⁺10, CKSLS12, FM18a, HD10, KK14, KSBZ16, LH12, MCM12, Mel16, MV14, Mü13, ND12, SR18, YEL18, SHR97]. **Clusters** [CGBN14, GFC12]. **ClustOfVar** [CKSLS12]. **clustvarsel** [SR18]. **clValid** [BPDD08]. **Co** [GVM16, Har07]. **Co-Integrated** [Har07]. **Co-Occurrence** [GVM16]. **Coarse** [MBGK18]. **Coarse-Grain** [MBGK18]. **Code** [Aiz12, AD15, BDMP15, BK11, BS18, CG15, Car13, CS12, CO16, DMB18, FKP17, GVM16, Han05, Han06a, HW07, Han07a, HXY12, Hof11, Hoh18, Jal19, LW16, LQC⁺12, LRN18b, MF14, MHJS16, MTPL15, MBGK18, MF15, MP14, NK06, NAA17, Pan18, Pap16, PZK⁺12, Phi10, Rec10, RBB18, Rob18, RD92, Ruf09, SBMG06, TR14, VSV09, VYD⁺12, Wei12, XMW10, dSJdSF14, GH18, GMF18, RD93, Gro18c]. **CodeMeta** [Boe17]. **codes** [ABEY18, VP16]. **Coding** [Hec07, dL05b, Mur05, SS18a]. **Coefficients** [TR14]. **Cognitive** [GRK⁺16]. **Cohorts** [BBGL17]. **Cointegrated** [Ano10, Edd09a, Lüt11, Pfa06, Pfa08a]. **Collaboration** [BBGL17]. **collected** [DO94]. **Collection** [Iac15, RG07, Mun14a]. **College** [Bar95]. **Collocation** [Sch17a]. **Combination** [YEL18]. **Combinator** [Siu17]. **Combinatorial** [Val09, Lab12]. **Combinatorics** [Han07a]. **Combining** [BMGT15]. **Command** [HL09, Hof11].

Command-Line [HL09]. **Commander** [Fox05b, FC12]. **Comment** [Lub91].
Common [Woo05]. **Communications** [RL15, Gav10]. **Community** [BCHR15, Gle16b, ZGS⁺18]. **comorbidity** [Gas18, Gas18]. **Companion** [Cow03, Lun06, Zie04, dL05a, Den13, Eve05, Fox02, Kau13, Mat13, Mur14].
Comparative [ADH11]. **compareGroups** [SSV14]. **Comparing** [ZHL11, Han13a].
Comparison [Lan95, OL17, Sch14, TM15, Las97].
Comparisons [Che11, HD12, KPSH15, MVS13, Ric11, BHW11]. **Competing** [BAS12, MN17, SZ11, dWFP11, Mal13].
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complement [OS95]. **Complete** [OK14].
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Complexity [Bra15]. **Complexity-Based** [Bra15]. **Component** [BDdM11, GKD14, MW07]. **Components** [BdMM15, Kom09]. **Composition** [Yua07].
CompRandFld [PB15]. **Comprehensive** [RFKM12, SR17]. **Computation** [AB17b, ABGF17, Dem17, KC14b, dVSWAL17, Alb07, Alb09, Cho09, Kut13, Mwi11, Pol11a, Röh00]. **Computational** [Cha15b, Dav07, Din06, DO94, How17, Lab12, Saw09, WDT⁺12, Wün13, GIH⁺05, Val09, Mil12, Boo10, Dur15, Edd09c, Kha18, Rob19].
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Computerized [MR12]. **Computing** [AGM07, Cha10, CQ95, Den16, DO94, Esp15, FBdF12, FT08, Gio09, Kus03, R D11b, RTL07, SFS12, SME⁺09, Sco13b, TRL09, WSZ12, ACG⁺16, Ano03b, Cra02, Day15, EK12, Gas18, JPOJ12, Lan18, Lon15, Mwi13b, Ohr14, Riz08, WWDS18, YS13, Mat15]. **Concave** [CGS09]. **Concepts** [Lun02, Mor03, SA01]. **Concerto** [SA15].
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Confidence [KPSH15]. **Conjugate** [Sho13].
Consistency [LQC⁺12]. **Constrained** [BFRP13, LM14b, LC10, Mug10].
Constraints [Grö10]. **Constructing** [CSNF18, MB15]. **Construction** [Jon07, Kav15, TB17]. **Consumed** [PZK⁺12]. **consumption** [KKL⁺15].
Contact [GW18]. **Contaminated** [PMM18]. **ContaminatedMixt** [PMM18].
contemporary [SP14b]. **Context** [RG07].
conting [OK14]. **Contingency** [OK14].
Continuous [BHS00, CC08a, Hoh18, KY10, KK14, Mul14, PJSPC17, Wan13, TPAM07].
Contrast [WS11]. **Contrast-Enhanced** [WS11]. **Control** [ADH11, BCS96, HSL11, MG09, TKM15, ZFZ10, ZP13]. **Controls** [BCAB07]. **controversy** [CM14].
Convention [IEE93, IEE94]. **Convergence** [Smi07]. **Conversion** [Hil96, Lei13].
convert [ABEY18]. **Convex** [KM14, PLRC10]. **convosPAT** [RC17].
cooccur [GVM16]. **Cook** [Mai08].
cookbook [Tee11, How11]. **cooperative** [CBGGV17]. **Copula** [Nag18, NAA17, WMR16, KY10].
Copula-Based [NAA17]. **CopulaDTA** [NAA17]. **copulaedas** [GFS14]. **Copulas** [BS13, GFS14, HD18, HM11]. **Copy** [SIR⁺11]. **Corel** [Ano99]. **Cornillon** [Unw13b]. **Corporation** [Ano99].
Corrected [BK11, HS18]. **Correlated** [AD15, RMG12, BF17, SC07]. **Correlation** [BKT14, GDMB08, HM18, Ros08, Shi16].
Correlations [LH12]. **Correspondence** [Mur05, dLM09c, Alb15, Hec07, dL05b].

Cosenza [Bia94]. **Cost** [PN97]. **Count** [HD18, Hil14, JD15, LFF17, ZKJ08]. **Counterfactuals** [SKZ05]. **country** [ABEY18]. **countrycode** [ABEY18]. **Counts** [Cam12]. **Course** [HH15, Hew16, Hly09, Sta93a, Nor09, Pri05b, Rui17, Sha16, Sta93b, Utl05, Wic08a, BM07, HH04, McE16, TRM16a]. **Covariance** [KK15]. **Covariate** [PP17, RC17]. **Covariate** [HPWdL15, HXY12]. **Covariates** [VKVC15]. **CovSel** [HPWdL15]. **Cowpertwait** [Mai10]. **Cox** [CG15, DPSH18, Gan15, TDRD13, TDRD15, TR14]. **coxphw** [DPSH18]. **COZIGAM** [LC10]. **Crash** [Sta93a, Sta93b]. **Crawley** [Ano03b, Hel15, Dur14, Kus03, Laz11b, Lig09, Ng06, Sta07]. **crawling** [KF17]. **CRC** [Gle16a, Grö15a, Grö16, Hac17, Has18, Kha16, Kle17, Liu18, Lu18, Rao14, Rui17]. **Create** [GL16b]. **creates** [ZGS⁺18]. **Creating** [BY18, Grö14b, HL09, Ver12, Xie13a]. **Creation** [NRD16]. **Creator** [The99]. **critical** [Las97]. **crlmm** [SIR⁺11]. **Cross** [CH18, ESO16, KO06]. **Cross-Language** [ESO16]. **Cross-Validation** [CH18, KO06]. **CRS** [HHJC14]. **CRU** [Spa17]. **Cruising** [The99]. **Crunching** [Gen98]. **Cryer** [Qia10a]. **Crypto** [Kan17]. **Crypto-Currency** [Kan17]. **CSS** [LeB18]. **cts** [Wan13]. **curates** [ZGS⁺18]. **Currency** [Kan17]. **Curve** [Wil14a, Mir14]. **Curves** [KHLF⁺10, OL17, TFR16, PDH16]. **Cusp** [GvdMW09, GvdMW09]. **Customer** [PK12, Sco13a]. **Customizable** [MH09]. **Cutpoints** [LRRÁCSGS14]. **CVTresh** [KO06]. **Cycling** [FK17].

D [Arg98, Fer02, Han13a, Jam96, Mye12a, Qia10a, Woo01, Zie01b, BS13, EN11, GGK10, LPLPD14]. **D-Vine** [BS13]. **DAD** [RG07]. **Daily** [SHN17]. **DAKS** [ÜS10]. **Dalgaard** [Ano09, San03]. **Daniel** [Liu18, Mye12b, O'B12b, Sco13a, Zei16]. **Daniela** [Nor14]. **Dario** [Ros10b]. **Data** [AL16, Alm10, AD15, AB17a, Ano12b, ARC04, BL14a, BFRP13, BY18, BPP17, Bau14, BC81, BC84a, BC84b, BBG12, BK17, BCG18, BDdM11, Bow10, Bur10, But08, CB17, Cha86, Cha98, CGBN14, Cic15, CFZ09, Cle93, CS07, Daw03, Den98, Dia06, Dia05, Dow17, Duo07, ESO16, FS10a, FBdlF12, Fel12, Fer11, FDGD16, Fle11, FM18a, FK17, Fri12, Fuj17, GASA15, GP12, GKZ16, GGK10, GCA12, Gos11, Grö15a, Grö18a, Gro08, HD10, HD18, HM18, Hec07, HH15, HH19, Hil14, HC05, IP08, Iac15, Jac11, Jal19, JM15, JKvT⁺14, JD15, Jon13, Kee18, KSS⁺07, KK14, Kos16, Kuh10, Kus03, Kut13, LRGTA12, Lei10, LSPvdL17, Lep14, LM03, Liu16a, Liu18, MB03, Mai08, Mai14a, MBGK18, MC97, MBM18, MH18, MCM12, Mil17a, Mil17b, MP12, MdUÁC10]. **Data** [MN14, Mun14b, Mur03, Mwi13a, NGBK12, NL12, Nor08, Nor15, NRD16, Num13, O'B12a, Oli10b, OL17, Pal15a, PP17, Pav16, Peb12, Pie15, PU13, Pod15, Pol11c, Pri05b, R D11a, R D11c, Rah17, Ree18, Riz10, Riz16, RMG12, SP14a, Sav16, SZ11, Sch16, SCK95, SO13, Sch17b, Sco10b, Sco13a, Sha16, She11, SS92, SR16, SCS13, SYC08, SvdLN17, Sól09, SD18, SPPP17, SHN17, Spe08, Su07, Sun16, TDRD15, TKM15, TMKD17, TD07, ÜS10, Unw11, Utl05, VM09a, Van18, VR99, Ver18, VYD⁺12, WGSL12, WDM⁺11, WST11, Wic09, WG10, WCHB11, Wil11, ZKJ08, ZQS16, Zie02b, Zie05, dL05b, Agr13, AD17, Ano03b, AB90, BKH17, BC85a, Bee13, BPGR08, Bos12, BA97, Car04, Car14, CCKT83, Cha08a, CP11b, Cle85, Cle94, CC08b, Cot13, Cra02, Dév09]. **data** [Dir18, Dra12, ERH01, Fal12, FM18b, GCS⁺14, GF09, HH04, HN09, HK11, HK15, JPOJ12, Kab11, Kee10, KH10, Kle09, KC14a, Kom09, Kon04, LB12, LF15, MA14, Mil10, Mil15a, MZ18, Mun14a, Mur05, Nie14, NL14, Ohr14, PCAS09, Per14, PK12,

RHG09, RFGD08, Riz12, RL15, Rup11, Sar08, Sha12, SC07, Smi17, Tsa13, Tuk77, Unw15, VS02, Ven04, WWDS18, WG17, ZM14, Hüs18, Mil17b, Arm19, Bat08a, Bro10, San10a, Sau10, Sau12, Wic08b]. **data-centered** [JPOJ12]. **Data-driven** [Kut13]. **Database** [FGG⁺94, HI97, MC97]. **DataBlade** [MC97]. **datacollection.com/** [Iac15]. **Dataset** [SVCB18]. **datastructures** [Dir18]. **Datendesign** [Rah14]. **DATforDCEMRI** [Fer11]. **David** [Car16, Pol13, Rao14, Sch08]. **Davies** [Ano16]. **dawai** [CFSR15]. **Dayal** [Hof15]. **dbEmpLikeGOF** [MVS13]. **DBKGrad** [MP14]. **dbmss** [MTPL15]. **DCE** [Fer11]. **DCE-MRI** [Fer11]. **Dealing** [Kas16, Pap16]. **Death** [TGJ17]. **Deborah** [Mai08]. **December** [Bar95]. **Decision** [Sco13a, PK12]. **Decomposition** [DMB18, Lei10, LBW18, BFA14]. **decon** [WW11]. **Deconvolution** [Fer11, WW11]. **Deducer** [Fel12]. **Deep** [Arn17]. **Deepayan** [Kuh10, Nor08]. **Definition** [R D11f]. **Degradation** [CP12]. **Dehli** [Hof15]. **delivery** [SA15]. **Delta** [MF14]. **deltaPlotR** [MF14]. **demogR** [Jon07]. **Demographic** [Alm10, Jon07, SM07]. **Demonstrating** [Xie13a]. **Dennis** [Kau13]. **Densities** [Nag18, RRSPTR12]. **Density** [AM14, CGS09, DHM11, Duo07, HS18, Kle09, LF15]. **DEoptim** [MAG⁺11]. **Dependence** [BDMP15, BS13, CFHBK11]. **Dependent** [KO06]. **Deployment** [VFV13]. **depmixS4** [VS10]. **Derivatives** [MS11]. **Deriving** [Arc10]. **Description** [SMHBR06]. **Descriptive** [Ruf09]. **Design** [AA12, BC84a, BC85a, BCS96, BPB09, DHF15, GG16, Gra07, Grö11, HSL11, KSC⁺00, MHOV12, O'B08, Ros10a, ZP13, BHH05, Cha08b, Mat11, RPVG11, Rob09, You12, IR12]. **Designed** [FBF14]. **Designing** [JPM19]. **Designs** [FKP17, Grö14b, HWY18, SIRC16, Was15]. **deSolve** [SPS10]. **Detecting** [CGC11]. **Detection** [RG07]. **Determining** [CGBN14]. **Deterministic** [MRC15]. **Developed** [RG07]. **Developer** [BG18]. **Developer-Friendly** [BG18]. **Developing** [LS05]. **Development** [JKvT⁺14, PN97, RFKM12, SA15]. **Developments** [vdA12]. **Devices** [FK17]. **dglars** [AMW14]. **Diagnosis** [GRK⁺16, TB17]. **Diagnostic** [JKvT⁺14, LRRÁCSGS14, LX12, NAA17, PJSPC17, RG07, Ver18]. **Diagnostics** [LH14, SGHY11]. **Diagonal** [KN05]. **Diagrams** [BDMP15]. **DiagTest3Grp** [LX12]. **Dianne** [Mai08]. **DiceDesign** [DHF15]. **DiceEval** [DHF15]. **DiceKriging** [RGD12]. **DiceOptim** [RGD12]. **DICOM** [WST11]. **Dieter** [AA12, Veh13]. **Difference** [KM08]. **different** [Ros08]. **Differential** [Bur09, CGC11, Iac08, Lud13, Luo09, MF14, MAG⁺11, Sch14, Sch17a, SPS10, Sto11, SS18a, SS18b, SCM12]. **diffIRT** [MTvdM15]. **Diffusion** [MTvdM15, PT09, SKS15, WS11, RRSPTR12, RRSPTR14]. **Diffusion-Weighted** [WS11]. **Digital** [PT07]. **Dimension** [AR14, Wei02]. **Dimensional** [ALE10, BBG12, JKvT⁺14, ND12, SF18, VG09, Pen03]. **Din** [Num13]. **Ding** [Num13]. **Ding-Geng** [Num13]. **Dirichlet** [CHB14, LHA⁺15]. **Dirk** [Pod18]. **Disclosure** [TKM15]. **Discovering** [FMF12, LAF⁺17, Unw13a]. **Discovery** [DK18, BHH05, Wil11]. **Discrete** [KK14, MP14, Sar16, Wol99, BF17, LS16]. **Discretized** [Su07]. **Discriminant** [BBG12, CFSR15, Duo07]. **Disease** [BVE⁺15, JGM18]. **Disequilibria** [SBMG06]. **Display** [BCS96, HH15, Pri05b, Sha16, SBMG06, Ut105, HH04]. **Displaying** [FT08, Per14, Pod15]. **Displays** [Fox03, FH09, Gru95, NL12, Sta95e]. **Distance** [Dro18]. **distances** [LS16]. **Distributed** [Gas11, Mug10, TFH12, HHJC11, MGHR16, SNR18]. **Distributing**

[Pen08]. **Distribution** [AWBM18, AHvD09, GFS14, Phi10, dREP12, ZQS16, Asq14, LS16, OOSM18]. **Distributions** [AHvD09, BS18, DMD15, Dem18, Den16, HG14, KY10, LM18, LHS08, ML13, MvSB⁺07, NK06, NR16, PMM18, Rob12, dVSWAL17, Su07, ZFZ10, BPL09, Fog17, KD11]. **distrMod** [KR10]. **Diversity** [MH15]. **dimap** [HSG12]. **dlnm** [Gas11]. **dmapply** [MGHR16]. **DNA** [TNM17]. **Do** [SVCB18]. **document** [Fil08]. **Documents** [LeB18, McN14, Mor18, Vey14, Xie13b]. **DoE.base** [Grö18b]. **Doing** [SO13, Ano97]. **Dolores** [Bat08b, Ng09]. **Dominic** [Iac15]. **Dose** [BPB09, CO16]. **Dose-Finding** [BPB09]. **Dose-Response** [CO16]. **dosresmeta** [CO16]. **dotCall64** [GMF18]. **Douc** [Car16, Rao14]. **Douglas** [Mat16, Zie01a]. **downscale** [MBGK18]. **Downscaling** [HCM⁺18, MBGK18]. **dozens** [Vin08]. **DPpackage** [JHQ⁺11]. **Drăghici** [Ano12b]. **drake** [Lan18]. **Drift** [Han07b]. **driven** [Kut13]. **Drug** [BN10]. **DTDA** [MdUÁ10]. **dti** [PT09]. **DTR** [TM15]. **DTRreg** [WMS17]. **dtw** [Gio09]. **dtwSat** [MCAP19]. **Dual** [LM14b]. **Dudewicz** [Rob12]. **dummies** [Pie15, dVM12, Edd12a, Rob13]. **Dumont** [Gle16a]. **Duncan** [Hly09, Nor09]. **Dynamic** [CQ95, CS12, CS07, Gio09, KKEM15, Mai08, MCAP19, Oom13, PPC09, Pet10, TM15, VM09a, Vey14, WMS17, WS11, Xie13b, McN14, O'B10, Sha11].

E-Book [The99]. **E-Learning** [ZUL14]. **early** [PFT⁺12]. **Earthquake** [Jal19]. **Ease** [LT16]. **Easy** [CdM10, HM16, DP13]. **EbayesThresh** [JS05]. **eBook** [Gle16a, Kle17, Zei16]. **echosounder** [OS95]. **eco** [ILS11]. **Ecological** [AB12, Han07b, ILS11, PR07, Sól09, Woo11, Qia10b, Qia16]. **Ecology** [Chr09, Hor12, Mye12b, O'B12b, O'B14, Oli10a, Soe10, Swe13, Ste09, ZIW⁺09].

Econometric [CN97, CNZ99, MR09]. **Econometrics** [Edd09b, KZ08, Mye09, Sco09, Yal10, RH02, Vin08]. **Economic** [ZP13]. **economics** [Day15, Hof15]. **ecosystem** [PSZ17]. **ecp** [JM15]. **ed** [Ano09, Ano10, Ano12a, Hel18, Man03, Pfa12, Qia10a, Sau10, Sau11, Sau12]. **edcc** [ZP13]. **Edge** [HL07]. **Edition** [CH11b, Dem17, DN17, Edd09a, GR18, Grö15a, Hac17, Has18, Hel15, Kha17, Lor18, Lu18, Mai12, Pol13, San10a, SCD07, Unw12b, VM09b, KK99, AC04, Bos09, Gil14, Tsa14a, Ano12b, Dur14, Fox05a]. **edn** [Hew05, Ree18]. **edn**. [Sch08]. **Edward** [Rob12]. **Edwards** [Han13b]. **Effect** [CLL17, Fox03, FH09, SvdLN17]. **Effects** [Bea17, Chr09, Gan15, HPWdL15, LQC⁺12, Mai14b, Mug10, Oli10a, SP14a, WLH⁺18, GB13, PB00, Yan95, ZIW⁺09, FH09, Woo01, Zie01a]. **Efficient** [AHvD09, BG18, BGH⁺17, ESO16, GL16a, TB17, GMF18, RRSPTR12, Lan17b]. **Effort** [PN97]. **Einführung** [Luh13, Süs93, Kra97]. **Einsteiger** [Luh13]. **eixport** [IESdF18]. **Ekstrøm** [Hac17, Neu12, Hög12]. **Elea** [Rus15]. **Electronic** [Kra95]. **Elegant** [Wic09]. **Elements** [Spa17, Cle85, Cle94]. **Elena** [Bai11]. **Elliott** [Has18]. **Elliptic** [Han06b, Han06b]. **Embarrassingly** [DP13]. **Embedded** [BDdM11]. **Embedding** [DB13]. **emil** [BG18]. **emissions** [IESdF18]. **Emmanuel** [Ano12a, Mai09]. **EMMIXcskew** [LM18]. **EMMIXuskew** [ML13]. **Emphasis** [FS10b]. **Empirical** [ADN15, Cha10, JS05, KG17, YS13]. **Employing** [ZF15]. **Enabled** [FK17]. **Enables** [Wei12]. **Encounter** [Car17]. **End** [HM16, WDT⁺12]. **End-to-End** [HM16]. **End-Users** [WDT⁺12]. **endemism** [GL15]. **endpoints** [TPAM07]. **Energy** [PZK⁺12]. **Enforcing** [Oom13]. **Engine** [MC97]. **Engineering** [Blo14, Bor16, Rup11, Kos15]. **Enhanced** [WS11]. **Enhancing** [BBGL17, Lan14b]. **Enjoying** [CBGGV17].

ensemble [VWDB16]. **entropart** [MH15]. **Entropy** [MVS13, VdL09]. **Enumerative** [Han07a]. **ENVI** [Ano99]. **Environment** [BC84b, Cha12, Cha86, Mug10, R D11a, R D11b, RFKM12, Wei12, CNZ99, VS02, Ven04]. **Environmental** [MN01, Qia10b, Qia16, Yua07, dL09c, PD08, RFGD08, Law02, Lum01, Woo11, Zie99]. **EnvironmentalStats** [Mil98, Mil00, Mil02]. **Environments** [BLM⁺15, Lub91, CN97]. **epidemic** [HF07]. **Epidemics** [GW18]. **Epidemiological** [MJGM10, PC11]. **Epidemiology** [dL09c, PD08]. **Epilogue** [TRM16b]. **EpiModel** [JGM18]. **epinet** [GW18]. **Episodically** [PZK⁺12]. **Equality** [Grö10]. **equate** [Alb16]. **equateIRT** [Bat15]. **Equating** [Alb16, Bat15]. **Equation** [Obe14, Ros12]. **Equations** [Bur09, HH07, HHY05, Iac08, Luo09, Sch14, Sch17a, SPS10, Sto11, Tou15, VG09, SS18a, SS18b, Shi16, SCM12, vBGO11, Lud13]. **Equivalent** [LAF⁺17]. **Eric** [Ano03a, Bur07, Car16, Fis06, Fot07, Laz11a, McN04, Rao14, Unw13b]. **Erich** [Fle11, Sco10b]. **Erik** [Bai11]. **eRm** [MH07]. **Error** [HXY12, PZK⁺12, WW11]. **Errors** [AB17b, BK11]. **Essentials** [Cha14a, MR14]. **Estimate** [AMW14, PZK⁺12, Zag18]. **Estimates** [Gan15]. **Estimating** [BKT14, Bra17, Fie12, HPWdL15, HH07, HHY05, KS14, SM07, Tou15, You10]. **Estimation** [AMYR16, AT13, AM14, CLL17, CGS09, Cul11, DHM11, DBZ⁺11, Duo07, FDB12, GFS14, GvdL12, HS18, Joh07, KL14, KSP15, LSPvdL17, dUJ13, MMB15, Nag18, PJSPC17, PN97, dREP12, RC17, RMG12, Rov17, Sav16, SIR⁺11, SVMMP17, Sho13, SvdLN17, TM15, TR14, VV16, WMS17, WW11, Wan11, Asq14, HHJC11, HHJC14, Kle09, Kom09]. **Estimator** [SP05]. **ETAS** [Jal19]. **EU** [Lon15, Esp15]. **EU-SILC** [Lon15, Esp15]. **Eubank** [Sco13b]. **EUR** [Hof15]. **EUR55.99** [Pod18]. **Europe** [Esp15, Lon15]. **Evaluating** [GG16, MHOV12, SKZ05]. **Evaluation** [HSL11, TPAM07]. **Event** [Bro12, Jon13, Riz10, Riz16, Riz12, Beb13]. **events** [LS16]. **Everitt** [Ano06a, Daw03, Pfa12, Til96, Unw12a, Yu12, Zie02b, Dav95, Kim95, Ko95a, Lun06, Zie02a]. **Everyone** [Lan17a, Lan14a]. **evidence** [BL14b]. **evmix** [HS18]. **Evolution** [Ano12a, MAG⁺11, NdSL16, PSZ17, Par06a]. **Evolutionary** [GZP14]. **evtree** [GZP14]. **Exact** [FS10a]. **Example** [Eva11, Lud13, Mai11, San10a, AR12, Beh12, Fil08, HLP11, MB03]. **Example-Based** [San10a, MB03]. **Examples** [DMS14, HH15, Hew16, Iac08, Pri05b, Rah17, Rui17, Sha16, Utl05, VSS⁺17, CC08b, HH04, H⁺96, HBPJ04, McE16, SD15, SS06, SS11, Vin08, AC04, Rao14, Sch08, Bur09, Hew05, Luo09, Pol13, Sto11, Woo98, Car16, Lun07a]. **Exams** [GZ09, ZUL14]. **excavating** [Wil11]. **Excel** [Fle11, Sco10b, But05, HN09, Pol09]. **Exchange** [Kan17]. **Exclusion** [AT13]. **execution** [SWHJ17]. **Expected** [CNA16]. **experiment** [Bar95]. **Experimental** [AA12, AL16, Grö11, SIRC16, RPVG11, You12]. **experimenters** [BHH05]. **Experiments** [Aiz12, DHF15, FO15, FBF14, Grö18b, LW16, NGBK12, RGD12, TP11]. **explained** [Cic15, RFGD08]. **Exploration** [HBQ04]. **Exploratory** [Beh12, HLP11, LRGTA12, Tuk77, Eva11, Mai11]. **Explore** [Spa17]. **Exploring** [ARC04, GLC⁺15, WCHB11]. **Exponential** [Asq14, CF14]. **Export** [R D11c, IESdF18]. **ExPosition** [BFA14]. **express** [MGHR16]. **Extend** [GDMB08]. **Extendable** [BY18]. **Extended** [GKZ12, MH07, ZC10, ZGS⁺18]. **Extending** [BC85b, Cha16, EB18, FC12, Vin08, Kle17]. **Extensibility** [Lan95]. **Extensible** [HD10]. **Extension** [YEL18, VP16]. **Extensions** [Chr09, FH09, Oli10a, R D11g, ZIW⁺09]. **Extensive** [KS14]. **extents** [GL15]. **extracat** [PU13]. **Extreme**

[GK16, Hla16, HS18]. **ExtremeBounds** [Hla16]. **extRemes** [GK16].

F [Bai11, Bat08b, Mai08, Ng09, Oli10a]. **Facilities** [Fir03]. **FactoMineR** [LJH08]. **Factor** [BP12, CFHBK11]. **Factorial** [FKP17, Grö14b, Grö18b, NGBK12]. **Failure** [CKY14, HXY12]. **FairCom** [Ano99]. **Faithful** [AB90]. **Falissard** [O'B12a]. **Families** [NR16]. **Family** [PG15]. **FAMT** [CFHBK11]. **Far** [RBB18]. **Faraway** [Rob05]. **Fast** [BS16, LH12, Müll13, PG15, dVSWAL17, VW13, KMMV14, KF10]. **fastcluster** [Müll13]. **Fay** [IDE15]. **fda.usc** [FBdlF12]. **Feature** [DKY18, LAF⁺17, Meu13]. **fechner** [ÜKD09]. **Fechnerian** [ÜKD09]. **Feit** [Rus15]. **fen** [CCP⁺11]. **Fertility** [SAR11]. **Fetch** [SPPP17]. **fgui** [HL09]. **FHtest** [OL17]. **FIAR** [RR11]. **Field** [Bar95, Unw13a, Unw13a]. **Fields** [DB13, FS10b, PB15, SMM⁺15]. **Fieller** [Kha16, Liu16b]. **File** [Hil96, OS95, NPP17]. **Files** [EW16, SVM⁺17]. **filesstrings** [NPP17]. **Filter** [Wan13]. **Filtering** [Tus11, VYD⁺12]. **finance** [Rup04, Müll16]. **Financial** [Ano03a, Bur07, Dia06, Dia05, Fis06, Fot07, Kum07, Lep14, McN04, Pfa13, SCD07, Spe13, Tol03, Zie05, Car04, Car14, Kon04, Nie14, Rup11, Tsa10, Tsa13, Tsa14b, ZW03, Ziv05, Pod18]. **Finding** [BPB09, HWY18, Was15]. **Fine** [MBGK18]. **Fine-Grain** [MBGK18]. **Finite** [Lei04, GL07]. **FinMetrics** [Kon04]. **Fionn** [Hec07]. **firm** [BMOF17]. **First** [Hly09, Nor09, Sta95b, Wic08a, BM07, RRSPTTR12, RRSPTTR14]. **first-passage** [RRSPTTR14]. **first-passage-time** [RRSPTTR12]. **Fisher** [HG14]. **Fit** [MVS13, TMN16, GH18, GEV18, JV14, LT16]. **fitdistrplus** [DMD15]. **Fitting** [BS18, CAA15, CKY14, DMD15, Dem18, FC11, GvdMW09, GL07, GH11, HG14, IV05, Jal19, KHLF⁺10, KV13, LM18, MRC15, ML13, MTvdM15, PZK⁺12, PMM18, Riz16, Rob12, Su07, TGJ17, KD11]. **Fixed** [CC11, DHM11, ZF15, LS16]. **fixedTimeEvents** [LS16]. **FL** [Ano95a]. **Flexible** [AHvD09, SIRC16, TPAM07, ZUL14, ZF15, Bar18]. **FlexMix** [Lei04]. **flexsurv** [Jac16]. **FluxSimulator** [MvSB⁺07]. **Flyby** [KSC⁺00]. **FME** [SP10]. **fMRI** [BDdM11, WDM⁺11, TP11]. **Focus** [DLC06]. **Follow** [PC11]. **Follow-Up** [PC11]. **Following** [LFF17]. **Foods** [PZK⁺12]. **forecast** [HK08]. **Forecasting** [HK08, GK14]. **Forest** [Mye12a]. **Form** [KS14]. **Format** [Wee10]. **Formatting** [LeB18]. **forms** [Fir03]. **Formulas** [ZC10]. **Formulating** [DLC06]. **FORTRAN** [MJR93, Yan95, GH18, GMF18, Las97, LS05]. **Fortran-77** [GH18]. **Fortunato** [Ros10b]. **Forward** [ARC04]. **Foundations** [WML14]. **Fourteen** [Bro14]. **Fourth** [Fox05a]. **Fox** [Zie04]. **FPGas** [Röh00]. **fptdApprox** [RRSPTTR14]. **FPTL** [RRSPTTR12]. **FracSim** [DC05]. **Fractional** [Grö14b, SS18a, SS18b, SMHBR06]. **Frailty** [MRL12, RMG12]. **frailtypack** [RMG12]. **Framework** [ATF10, CH18, HMS16, Lei04, MdL10, NAA17, PR07, TRL09, Bor16, MR09]. **Francois** [Mai11, Mye12b, Unw13b, O'B12b]. **Frank** [Che11, Ric11]. **FRB** [VW13]. **frbs** [RBHB15]. **Free** [IP08]. **Frequencies** [Meu13]. **Frequency** [GKZ16, CHT98]. **FrF2** [Grö14b]. **Friedman** [Aji17]. **Friendly** [BG18]. **Friends** [MBM18]. **FTLinuxCourse** [Ano99]. **Function** [DBZ⁺11, PZK⁺12, dREP12, Rov17, SBMG06, VSV09, VG09, Cot13, PG15, PSM⁺11, RRSPTTR12]. **Functional** [Swe13, Cha14b, FBdlF12, Lub91, RHG09, RR11, Sav16, SCS13, TP11, YEL18, MGH16, Bow10, Bur10, O'B14]. **Functionalities** [BMGT15]. **Functionality** [Guh07]. **Functioning** [CGC11, MF14]. **Functions**

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[Bai11, Bur10, BL11, O'B09c, O'B14, Oli10a]. **GA** [Scr13]. **Gabor** [CHT98]. **Gabriel** [Lab12]. **Galecki** [Mai14b]. **gamboostLSS** [HMS16]. **Games** [KS14, CBGGV17]. **GameTheory** [CBGGV17]. **GAMLSS** [Bar18, HMS16, SR07]. **gamma** [Ros08]. **Gao** [Han98]. **Gap** [WDT⁺12]. **Gareth** [Nor14]. **Garrett** [Mil17b]. **GAS** [ABC19]. **GAUSS** [CN97]. **Gaussian** [TDRD13, BKT14, DB13, FS10b, Gra07, GT10, Gra16, HD18, HL07, LHS08, MRC15, PLZ⁺15, SR18, TDRD15]. **GBP** [Iac15, Kle17]. **gcKrig** [HD18]. **Gebhardt** [AA12]. **geepack** [HHY05]. **gems** [BVE⁺15]. **General** [FKP17, Lei04, LHS08, MdL10, RRSPTR14]. **Generalised** [Fox03]. **Generalization** [YEL18]. **Generalized** [AMYR16, ABC19, Arm19, AMW14, BdMM15, CdM10, Cha10, CH18, Had10, HC05, HHY05, ICL16, LFF17, LC10, MH09, ML11, Sch11, SR07, Su07, Tou15, Woo06, dSjdsf14, BPL09, BC11, Er12, GL07, PH16, AC07, Chi07, GR18, Mai06, Rob07]. **Generalizing** [PLRC10]. **Generate** [Ruf09]. **Generating** [Boe17, CHB14, Fuj17, WDM⁺11]. **Generation** [AD15, GZ09, MR12, VYD⁺12, ZUL14, AD17, Dev86, Tan18]. **generator** [Ros08]. **generators** [Fog17]. **Genetic** [MF15, MS11, Scr13, TB17, ZFZ10]. **Genetics** [SL09, Fou09]. **geneXplain** [SKW17]. **geneXplainR** [SKW17]. **Geng** [Num13]. **Genomic** [Hic16]. **Genomics** [LM14a]. **Genotyping** [SIR⁺11]. **Gentle** [Sta93c, Sta93d]. **Gentleman** [Ber09].

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[Cle85, Cle94, Day15]. **Graphs** [CF14]. **Grassmann** [ACW12]. **GrassmannOptim** [ACW12]. **Graves** [Bur10]. **Gray** [Has18]. **gRc** [HL07]. **Great** [The99]. **Greek** [Van18]. **grImport** [Mur09]. **groc** [BdMM15]. **grofit** [KHLF⁺10]. **Grolemund** [Mil17b]. **Group** [GG16, Was15]. **Group-Sequential** [Was15]. **Groups** [Han13a, LX12, ZHL11]. **Growth** [KHLF⁺10, Mir14, Wil14a]. **Gruet** [Woo98]. **gsbDesign** [GG16]. **GSODR** [SHN17]. **gss** [Gu14]. **GUI** [Fel12]. **Guide** [AC04, Bai11, Cha98, Dia18, EJ13, Grö16, Grö18a, Hew05, Iac15, Mat85, Sta93e, Mat16, Sta93f, Sta97a, Sta97b, Sta97c, Sta98a, Sta98b, Woo98, Cot13, GL16a, Gle16b, H⁺96, HBPJ04, Mun14a, OS95, Shi16, ZIM09]. **Guidebook** [Tak12]. **Gunther** [Boo10, Mil12]. **Guyader** [Unw13b]. **GWAS** [Tur18]. **gWidgetsWWW** [Ver12]. **GWmodel** [GLC⁺15].

H [Bai11, Grö15a, Hor12, Iac15, Kha16, Pol13, Sch08]. **H1** [The99]. **H1-B** [The99]. **hackers** [CW12]. **Hadley** [Mil17b]. **Hadoop** [FM18a]. **HAFU** [OS95]. **Hall** [Gle16a, Grö16, Hac17, Has18, Kha16, Kle17, Liu18, Rao14, Til96]. **Hall/CRC** [Gle16a, Grö16, Hac17, Has18, Kha16, Kle17, Liu18]. **Hamann** [Mye12a]. **Hamilton** [Ano99]. **Handbook** [Ano06a, Dav95, Eve94, Eve02, Hil06, KD11, Kim95, Ko95a, Lun07b, Man03, Pfa12, Sen14, Zie02a, All11a, EH06, Til96, Dem18, Rob12]. **Hands** [Gro14a, Vin08, Bor16, Yal10]. **Hands-on** [Gro14a, Vin08, Bor16, Yal10]. **Hardback** [Lu18, Aji17]. **Hardcover** [Zei16, Liu18, Pod18, Rui17]. **Harring** [Han13a]. **Hastie** [Nor14]. **Hazard** [Gan15]. **HDclassif** [BBG12]. **health** [PD08]. **Heatmaps** [BY18, SK17]. **Heiberger** [Fle11, Sco10b, Utl05]. **help** [Alb15]. **Helps** [BCG18]. **Henry** [Has18, Hor12]. **Hero** [EL09]. **Hesketh** [Daw03, Zie02b]. **Hessian** [Bra17]. **Hessians** [Bra14]. **Hesterberg** [Sco12]. **Heterogeneity** [GLC⁺15]. **Heterogeneous** [BL14a, WLH⁺18]. **Heteroskedastic** [Pir10]. **Heteroskedasticity** [SYC08]. **HGLMMM** [ML11]. **Hidden** [BHS00, HH19, OH11, VS10, ZM09, ZML16, BBN10, TNM17, All11b, Kha17, Lu18, San11]. **Hierarchical** [Arm19, CGC14, DW17, FBC07, FC11, LH12, LH14, ML11, Mü13, Rec10]. **High** [ALE10, BBG12, JKvT⁺14, ND12, PSS⁺17, dVSWAL17, VG09, ES14, Gav10, Lan18]. **High-Dimensional** [ALE10, BBG12, JKvT⁺14, ND12, VG09]. **high-performance** [ES14, Lan18]. **High-Precision** [dVSWAL17]. **High-Throughput** [PSS⁺17]. **higher** [YWL02]. **higher-order** [YWL02]. **highlightHTML** [LeB18]. **Hilbe** [Grö16, Gol11]. **histograms** [GH18]. **Historical** [SVCB18]. **Histories** [Sun15, Wil14b]. **History** [Beb13, Bec94, Bro12]. **HLMdiag** [LH14]. **hmmm** [CGC14]. **Højsgaard** [Han13b]. **Holland** [Utl05]. **homals** [dLM09a]. **Homology** [FW18, WWDS18]. **Homoscedasticity** [JJJ14]. **Hong** [Han98]. **Hong-Ye** [Han98]. **Hooker** [Bur10]. **Horton** [Grö15a, Liu18, Pol11c]. **Hotel** [All86]. **Hothorn** [Che11, Ric11, Pfa12, Unw12a, Yu12]. **House** [Mil15b, BL14b]. **HPLC** [RG07]. **HPLC-DAD** [RG07]. **hsmm** [BBN10]. **HTI** [OS95]. **HTML** [Lei13]. **htmlwidget** [Coe18]. **httk** [PSS⁺17]. **http** [Grö15a, Hel15, Hof15, How16b, Iac15, Mat15, Mat16, Rus15, Zei16]. **https** [Gle16a, Grö16, Kha16]. **Huet** [AC04, Woo98]. **Hugen** [Pod18]. **Hull** [PLRC10]. **Humanities** [Pav16]. **humanleague** [Smi18]. **Hurricane** [EJ13, Dia18]. **Husson** [Mai11, Unw13b]. **Hybrid** [CGC11]. **Hydro** [OS95]. **Hydro-Acoustic** [OS95]. **Hydrographic** [FGG⁺94]. **Hydrological**

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KraljicMatrix [BMOF17]. **Krause** [Ano03c, Ano06b, Bar02, Bro07, Mac98, Sis03, Zie98, Zie01c, Bra03, Eas03]. **Krider** [Sco13a]. **Kriging** [RGD12]. **Kriging-Based** [RGD12]. **KRLS** [FHH17]. **ks** [Duo07]. **Kubinger** [Veh13]. **Kung** [Qia10a]. **Kung-Sik** [Qia10a]. **Kupresanin** [Sco13b].

L [AA12, All11b, Has18, IDE15, Lu18, Pod18, Sco13b]. **Lê** [Mai11]. **Label** [Pap16]. **label.switching** [Pap16]. **LaBudde** [Mar12, O'B13]. **laeken** [AT13]. **Lag** [Gas11, Mug10]. **laGP** [Gra16]. **Lambda** [Su07]. **landsat** [Gos11]. **Langevin** [RLWP16]. **Langrock** [Lu18]. **Language** [BC81, BCW88, Cha98, ESO16, KSC⁺00, MHOV12, R D11f, R D11b, Ste00, KKEM15, LMY⁺11, Röh00, RL15, SWHJ17]. **Lanham** [Aji17]. **Large** [CB17, CFHBK11, Gra16, VG09, SNR18]. **Large-Scale** [CB17, CFHBK11, Gra16, SNR18]. **Latent** [BPP17, Bea17, Lei04, LL11, Meu13, Riz06, WM14, BBG14]. **LaTeX** [Ruf09]. **Lattice** [Sar08, Kuh10, Nor08, Gro08]. **Laura** [Sco12]. **Laurent** [Unw13b]. **Lauritzen** [Han13b]. **lavaan** [Ros12]. **lavaan.survey** [Obe14]. **Law** [HGG08]. **lawn** [CH17]. **lawstat** [HGG08]. **LC** [KSS⁺07]. **LC/MS** [KSS⁺07]. **LDheatmap** [SBMG06]. **ldr** [AR14]. **Leakage** [BG18]. **Learning** [Arn17, CFZ09, Cot13, GZP14, LLS15, MCB18, Nor14, Scu10, ZUL14, Ano97, CW12, JWHT13, KF10, KKL⁺15, MGHR16, Hel16]. **Least** [FHH17, Len16, MW07]. **Least-Squares** [Len16]. **Legendre** [Mye12b, O'B12b]. **Lessons** [BCHR15]. **Letters** [KSC⁺00]. **Level** [Grö14b, KO06, Rec10, Sch17b]. **Level-Dependent** [KO06]. **Lévy** [DC05]. **Lexington** [All86]. **Lexis** [CP11a, PC11]. **lgcp** [TDRD13]. **Li** [Mai14a]. **Library** [CH17, LIL⁺15, MJR93, Aji17, Coe18, Fri16, Arn17]. **libstable** [dVSWAL17]. **lie** [CCP⁺11]. **Life** [SVMMRP17, Sun15, Wil14b]. **lifecontingencies** [Spe13]. **Light** [TFR16]. **Likelihood** [AR14, Cha10, CGS09, GvdL12, GV12, Joh07, KM08, MVS13, RC17, RMG12, Su07, Yua07, YS13]. **Likelihood-Based** [AR14]. **Line** [HL09, Hof11]. **Linear** [Arm19, AMW14, But05, CdM10, Far05, Fox03, FBF14, GB13, Gas11, Grö10, Had10, HH14, Har01, KL14, LFF17, LH14, MYK07, ML11, O'B10, PPC09, Pet10, Pri05a, Rec10, Sta09, TV11, TM05, VSV09, ZLHK02, dSjdSF14, BC11, BH94, ES14, Er12, GL07, MPV12, Sha11, Wei14, Mai14b, Rob05, Tus05]. **linguistic** [Dév09]. **link** [Ger94, Mat94]. **Linkage** [SBMG06, TB17]. **Linked** [PMW⁺15]. **Linking** [Alb16, Wee10]. **Linux** [Ano99, Oom13, Wün13]. **Lisp** [Lub91, Nar05]. **Lisp-Stat** [Lub91]. **lists** [WD18, ZGS⁺18]. **Littlefield** [Aji17]. **Live** [SVCB18]. **lmdme** [FBF14]. **lme4** [DBZ⁺11]. **lmer** [DBZ⁺11]. **LMest** [BPP17]. **loa** [LR15]. **Løber** [Unw13b]. **Local** [BKT14, CQZ⁺10, Gra16, RC17]. **localgauss** [BKT14]. **Locally** [EN11]. **Location** [SR07]. **Log** [CGS09, DM18, TDRD13, TDRD15, VP16]. **Log-Binomial** [DM18]. **Log-Concave** [CGS09]. **Log-Gaussian** [TDRD13, TDRD15]. **log-symmetric** [VP16]. **logbin** [DM18]. **LogConcDEAD** [CGS09]. **Loggamma** [AMYR16]. **Logic** [Ano99]. **Logistic** [CGC11, Grö16, Har01, HWY18, PCAS09]. **Logit** [FH09]. **Loglinear** [BR07]. **Logrank** [FS10a]. **Long** [PC11, SVCB18, GMF18, Han13a]. **Long-Term** [PC11]. **Longitudinal** [BPP17, DLC06, GASA15, GCA12, Jon13, KK14, LSPvdL17, NGBK12, PP17, Riz10, Riz16, SP14a, SvdLN17, Riz12]. **look** [AB90]. **lordif** [CGC11]. **Loss** [LSPvdL17].

Loss-Based [LSPvdL17]. **Lösungen** [Kra97]. **Lovelace** [Gle16a]. **lp_solve** [But05]. **LS2W** [EN11]. **lsmeans** [Len16]. **ltm** [Riz06]. **ltmle** [LSPvdL17]. **Luigi** [Ros10b]. **Luke** [Mat16].

M

[AC04, Bar02, Bro07, Fle11, Gol11, Grö16, IDE15, Kle17, Laz11b, Lig09, Luo09, Mac98, Mar12, Oli10b, Oli10a, Sco10b, Sco12, Sis03, Sto11, Utl05, Woo01, Woo98, Zie01a]. **M.-A** [AC04, Woo98]. **Macdonald** [Lu18, All11b]. **Machine** [CFZ09, CW12, MCB18, KF10, KKL⁺15, MGHR16]. **Machines** [KMH06]. **Macro** [Wei12]. **Made** [HM16]. **Maela** [Unw13b]. **Magnetic** [CMS⁺11, TW11, WS11]. **mailing** [ZGS⁺18]. **Maillardet** [Ng11, O'B09a, Sco11]. **Maintenance** [Sta93g, Sta95d]. **Majorization** [dLM09b]. **Make** [BCG18]. **Making** [Sco13a, PK12]. **Mallows** [ICL16]. **MAMS** [JPM19]. **Man** [EL09, Woo05]. **Manage** [McL17]. **Management** [BBGL17, Grö15a, HI97, MJGM10, Pol11c, Bos12, HK11, HK15, KH10]. **Managing** [BK17, But08, Grö18a]. **manhattan** [Tur18]. **Manifold** [ACW12]. **Manipulation** [Bat08a, Bro10, Hic16, Sau10, Spe08, Wic08b, NPP17]. **Mann** [FO15]. **Manual** [Sta92a, Sta92b, Sta93g, Sta93h, Sta93j, Mil00, Sta93i, Sta93k, Sta95d, Sta95e, KVCS98, Mil98, Mil02, R D04, Sta95f]. **Map** [LR15, TB17, Sho13]. **Mapping** [GL15, RG96, TKM06]. **Maps** [GL16b, TP11, Ten18]. **March** [All86]. **Marchi** [Bau14]. **Marginal** [CGC14, Joh07, Ros08]. **Marginalization** [Mar06]. **marginals** [AD17]. **Margins** [KY10]. **Maria** [Bat08b, Ng09]. **Marin** [Cha14a]. **Mark** [O'B08, Pod18]. **Markdown** [LeB18, Mor18]. **Marked** [Har10]. **marker** [TPAM07]. **Marketing** [Mil15a, Rus15, Cha15a, RAM05]. **Markov**

[All11b, Kha17, Lu18, San11, BPP17, BBN10, BHS00, FS10b, HD10, HH19, KNI16, KSP15, Mar06, MQP11, OH11, RLWP16, Sch16, TNM17, VV16, VS10, ZM09, ZML16]. **Marries** [Thi14]. **Martin** [Hor12]. **MaskDensity14** [LF15]. **Mass** [CS12]. **MATCH** [Wie04]. **Matching** [IP08, KSS⁺07, Lab12, RBB18, RL15, Sek11, Wie04, Val09]. **Math** [Sta99]. **Mathematical** [CH11a, HBQ04, JGM18, Sta93e, Sta93f, Bia94, Sco12]. **Mathematics** [Spe13]. **MathSoft** [Ano99]. **MATLAB** [Mar07, RHG09, dVSWAL17, VV13, Sch14, SS15, Bur10, Bow10]. **Matloff** [IR12]. **Matrices** [Bra17, RG07, SD18]. **Matrix** [Fie15, FS10b, Kha16, KN03, Liu16b, BMOF17]. **Matzner** [Unw13b]. **Matzner-Løber** [Unw13b]. **Max** [Bau14]. **Maximum** [CGS09, GvdL12, Joh07, KM08, Su07, VdL09, Yua07]. **MCAR** [JJJ14]. **McDonnell** [Rus15]. **McElreath** [Rui17]. **mcglm** [Bon18]. **MCMC** [Den16, FS10b, Had10, Pap16, Riz16, Ros07, Smi07]. **MCMCglmm** [Had10]. **MCMCpack** [MQP11]. **MCPMod** [BPB09]. **MD** [Aji17]. **mdscore** [dSJdSF14]. **Me** [Sta95b]. **Mean** [PP17]. **Mean-Covariance** [PP17]. **Means** [KSBZ16, Len16, PH16]. **Measure** [MH15]. **Measurement** [HXY12, PZK⁺12, WW11, SA15]. **Measurements** [MvS07]. **Measures** [Rec10, PCAS09]. **meboot** [VdL09]. **Mechanisms** [BLM⁺15]. **Mediation** [TYH⁺14, YL17, TYH⁺14]. **Mediators** [YL17]. **Medical** [Daw03, Zie02b, ERH01]. **Medline** [RL15]. **Medline/PubMed** [RL15]. **Meesters** [Bai11]. **Meet** [HM11]. **mefa** [Só109]. **Meißner** [Iac15]. **Melvin** [Ano03c, Ano06b, Zie98, Zie01c]. **Membership** [SP14a]. **memory** [KKL⁺15]. **Menu** [BP12]. **Message** [The99]. **Meta** [Bur12, CO16, GV12, LZHC17, LCSC14, MF15, Ver18, Vie10, WF12, CP13, HKS08, Pal15b, How16a]. **Meta-Analyses** [Vie10].

Meta-Analysis [Bur12, CO16, GV12, LZHC17, LCSC14, MF15, Ver18, CP13, HKS08, Pal15b, How16a]. **Meta-Statistics** [WF12]. **Metabolic** [MvSB⁺07]. **Metadata** [Boe17]. **metafor** [Vie10]. **metaLik** [GV12]. **Metamodeling** [RGD12]. **Metcalfe** [Mai10]. **Meteorological** [Van18]. **Meteorology** [SPPP17]. **Method** [CC08a, Cha10, HL09, Yua07, Asq14]. **Methodologists** [WDT⁺12]. **Methods** [ADH11, BL11, DMB18, Den16, DMS14, FS10b, Had10, HH14, Han13a, Har06, KSHZ04, Kha18, KG17, KR10, Lan14b, Len09, Mar12, Nas14, Neu11, O'B09c, O'B13, Oli07, OCRC14, Pol09, Rao14, Rob19, Sch17a, Sco10a, Su07, Tyl07, ÜS10, Wee10, Xie13a, Zie00, dL06, dL09c, dLM09a, dLHM09, Car16, CCKT83, CL11, DH97, Goo05, Goo13, H⁺09, How17, JP06, Kut13, Nas08, PD08, RC10, Rom07, Sel98, Tsa14a, YS13, ZHL11, Bia94]. **Metric** [IP08]. **Metrics** [PSZ17]. **MFSAS** [CC11]. **mhsmm** [OH11]. **mi** [SGHY11]. **mice** [vBGO11]. **Michael** [Ano03b, Dur14, Hel15, Kus03, Ng06, O'B13, Sta07]. **Michel** [Cha14a, Mai09]. **Micro** [TKM15]. **Micro-Data** [TKM15]. **Microarray** [FO15]. **Microarrays** [Ano12b, Drä12]. **Microdata** [Kav15]. **micromap** [PMW⁺15]. **Micromaps** [PMW⁺15]. **MicroPEM** [SVM⁺17]. **Microsimulation** [Gle16a]. **Microsoft** [Pol09, Tak12]. **Microstate** [Ano99]. **microsynthesis** [Smi18]. **midasr** [GKZ16]. **Mike** [Sen14]. **Miles** [Unw13a]. **Militino** [Bat08b, Ng09]. **Millard** [Bra03, Eas03, Law02, Lum01, Zie99]. **mimR** [Høj04]. **Minimax** [Wol99]. **Minimum** [LSPvdL17]. **Mining** [CFZ09, FHM08, Fuj17, Sau12, Sco13a, SR16, TFH12, Cic15, GF09, KF10, Mun14a, Mw13a, PK12, Wil11, Iac15]. **Minitab** [GL14]. **mipfp** [BS18]. **mirt** [Cha12]. **Mises** [HG14]. **Missing** [JJJ14]. **MissMech** [JJJ14]. **MitISEM** [BGH⁺17]. **Mix** [SH17]. **mixAK** [KK14]. **Mixed** [CLL17, Dem13, FM18a, GKZ16, GKZ12, Had10, HH14, HSG12, Mai14b, MF15, PB00, Sch11, TV11, Wee10, ZIW⁺09, BC11, GB13, Chr09, Oli10a, Woo01, Zie01a]. **Mixed-Effects** [Mai14b, PB00, GB13, Woo01, Zie01a]. **Mixed-Format** [Wee10]. **Mixed-Type** [FM18a]. **mixexp** [LW16]. **Mixing** [Lei02]. **MixMAP** [MF15]. **Mixmod** [LIL⁺15]. **MixSim** [MCM12]. **mixtools** [BCHY09]. **Mixture** [AHvD09, BCHY09, BSVT12, BMGT15, HH19, HS18, KG17, LW16, LM18, Lei04, LHA⁺15, Sav16, Su07]. **Mixtures** [HG14, ML13, PMM18, GL07, Kom09]. **MLDS** [KM08]. **MLwiN** [ZPC⁺16]. **mma** [YL17]. **mmeta** [LCSC14]. **MNP** [IV05]. **Mode** [Meu13]. **Model** [ALE10, AMYR16, AWBM18, BBG12, CdM10, Den16, DM18, HD10, HMS16, HSG12, HWY18, Jal19, LIL⁺15, Lei13, LC10, MRC15, Mar06, Mel16, Mil17b, Mil15b, PZK⁺12, PN97, Sch11, SR18, TMW18, ZC10, ZF15, BL14b, OOSM18, OS95, SMHBR06, WG17, Yan95, Zag18, IV05]. **Model-Based** [AWBM18, BBG12, LIL⁺15, Mel16, SR18]. **Modeling** [AB12, BG18, BS15, BSVT12, BS13, Car13, Gra16, Grö15b, Har01, HD12, Hil14, HPCS14, HS18, Jac16, JHQ⁺11, JGM18, KY10, KC14b, Lee13, LRN18a, MH07, MF15, MvS07, PP17, PR07, RLWP16, Riz06, Ros12, SKS15, SYC08, SS15, VKM18, ZW03, Ziv05, Fin14, Kut13, Mil15a, MZ18, Par06b, Fis06, Ano03a, Bur07, Fot07, McN04, SCD07, Tol03]. **Modelling** [Car17, Har10, HC05, Høj04, Riz10, SP10, VWDB16, AFHD09, Pfa13, Kum07]. **Models** [All11b, AB17a, AC07, ABC19, Arm19, AMW14, BR07, BPP17, BCHY09, BVE⁺15, Bon18, BKL05, BMGT15, BHS00, Bür17, Bur12, CdM10, CG15, CP11a, CH93, CP12,

Chi07, CKY14, Chr09, CGC14, CLL17, DBZ⁺11, Den16, DLC06, Eva14, FDB12, Fie12, FBC07, Fir05, FC11, Fox03, FH09, FBF14, Gan15, Gas11, GRK⁺16, GKZ16, GLC⁺15, GR18, Gra07, GT10, GH11, Gu14, Had10, HH14, Han13b, Har01, HXY12, HH19, Hoh18, HL07, ICL16, Jac11, Joh07, Jon07, Jon13, KMC⁺12, KN05, KL14, Kha17, KR10, KV13, KSP15, Kuh08, Lei04, LFF17, LHA⁺15, LH14, Lu18, Mai06, Mai14b, MH07, Mal13, MP12, ML11, MTvdM15, MBR11, MRL12, NAA17, O'B10, OH11, OHD17, Obe14, Oli10a, PPGD15, Pen03, PPC09, Pet10, PP11, Pfa08b, Pir10, Pri05a, Rec10].

Models [Riz16, Rob05, Rob07, RMG12, SF18, San11, Sar16, SP14a, Sch11, Sho13, SR07, SM07, TV11, TM05, TR14, TGJ17, TF12, Tus05, UAK⁺15, VS10, WW11, Wan13, WMR16, Woo01, XWHL15, ZLHK02, ZKJ08, Zie01a, dSjdSF14, dWFP11, Arm14, BBG14, BC11, BAS12, BBN10, Dee99, Dem13, Er12, Far05, GB13, HF07, HEL12, IESdF18, PB00, Riz12, Sha11, Sta09, TNM17, VP16, Woo06, ZM09, ZML16, ZIW⁺09].

Modern [BKH17, Dia18, EJ13, Gou10, HH18, Sel98, VR94, VR97, VR99, VR00a, VR02, SM05, She09, Arg98, Dow17, Fer02, Jam96, KK99, Liu18, Rui16, Zie00, Zie01b].

Modes [Lei10].

Modifying [MB15].

Modular [Han06b].

MODULE [Lan95].

Mokken [vdA07, vdA12].

Molecular [JKvT⁺14].

Moments [Cha10, Phi10, Asq14].

Momocs [BPGC14].

Monogan [How16b].

Monographs [Lu18].

Montage [FGG⁺94].

Monte [Neu11, Sco10a, CGC11, DK18, LT16, MQP11, RC10, SP10].

Moodle [ZUL14].

Morgane [Gle16a].

Morphometrics [Cla08, Bow09, Mai09].

Morse [GP12].

Mortality [MP14, Mug10, VKM18].

MortalitySmooth [Cam12].

Most [BCG18].

Motions [DC05].

Moulines [Car16, Rao14].

Moult [EBO⁺13, EBO⁺13].

Mount [Mil17a].

Moving [LRN18b].

movMF [HG14].

MPCI [SFS12].

MPI [Röh00].

mplot [TMW18].

MRI [Fer11, TP11].

MS [KSS⁺07].

msm [Jac11].

msr [GP12].

msSurv [FDB12].

MST [CSNF18].

mstate [dWFP11].

Muenchen [Gol11, Mai12, Ree09, Sau11, Voe09].

multgee [Tou15].

Multi [CP11a, Had10, Jac11, JPM19, KSP15, LQC⁺12, MvS07, Pen03, dWFP11].

Multi-Arm [JPM19].

Multi-dimensional [Pen03].

Multi-Regional [LQC⁺12].

Multi-Response [Had10].

Multi-Stage [JPM19].

Multi-State [CP11a, Jac11, KSP15, dWFP11].

Multi-way [MvS07].

Multiblock [BD18].

Multiclass [CC08a].

Multicore [Hof11, JPOJ12].

Multidimensional [BS18, Cha12, LBW18, dLM09b, BBG14].

Multifractional [DC05].

MultiLCIRT [BBG14].

Multilevel [Bür17, CC11, Fin14, Grö15b].

Multinomial [CGC14, FH09, Tou15, IV05].

multiPIM [RJH14].

Multiple [Bon18, BHW11, CFHBK11, HWY18, JM15, KPSH15, KR13, OH11, SP14a, SGHY11, WGSL12, YL17, ZC10, Las97, Che11, Ric11].

Multiple-Objective [HWY18].

Multiple-Table [WGSL12].

Multiplication [LBW18].

multiplied [LF15].

Multiresolution [SCS13].

Multistate [FDB12, Mal13, Wil14b, BAS12, Sun15].

multitable [WGSL12].

Multivariable [SMHBR06].

Multivariate [AWBM18, ARC04, BS18, BC11, CSNF18, CO16, CGS09, Duo07, Er12, Eva11, FDGD16, FBC07, FBF14, Gro08, JM15, JJJ14, KY10, KK14, Kuh10, LJH08, LM03, LBC⁺16, Lun06, LCSC14, Mai11, MdL10, ML13, Nor08, Phi10, PMM18, SFS12, SMM⁺15, Sek11, TDRD15, TD07, Tsa14b, Unw12a, VW13, WCHB11, Yu12, Zei16, dL05a, AD17, BFA14, Beh12, Eve05, EH11, HLP11, JV14,

Kle09, Kom09, Sar08, vBGO11, Mü16]. **Multiway** [Lei10]. **Munzert** [Iac15]. **Murdoch** [Hly09, Nor09]. **Murrell** [Gun06, Unw12b]. **Murtagh** [Hec07]. **MXM** [LAF⁺17]. **MySQL** [Wün13].

N [Arg98, Bai11, Chi07, Fer02, Jam96, Law02, Liu16b, Oli10a, Rob07, Zie01b]. **nacopula** [HM11]. **Nagaraj** [Lum01]. **names** [ABEY18]. **Narrow** [Mil15b]. **Nash** [CI17]. **Nason** [BL11, O'B09c]. **Nathan** [O'B14]. **National** [RG96, Van18]. **Native** [Wei12]. **Natural** [MC97]. **NbClust** [CGBN14]. **Near** [RBB18, Was15]. **Near-Far** [RBB18]. **Near-Optimal** [Was15]. **nearfar** [RBB18]. **Neerchal** [Law02, Lum01]. **Nested** [HM11, WD18]. **NetLogo** [Thi14]. **Network** [BB12, LZHC17, Mat16, Nor15, KC14a, But08]. **Networks** [BB12, GW18, HPCS14, Høj12, JGM18, MvSB⁺07, Scu10, VSS⁺17, SD15]. **Neural** [BB12]. **neuRosim** [WDM⁺11]. **Neutral** [Han07b]. **Neuwirth** [Fle11, Sco10b]. **Newdistns** [NR16]. **News** [The99]. **Newton** [MHJS16]. **nhorton** [Grö15a]. **nhorton/r2/** [Grö15a]. **NHPoisson** [CAA15]. **Nicholas** [Grö15a, Liu18, Poll11c]. **Nick** [Kha16]. **Nicolas** [Unw13b]. **NIFTI** [WST11]. **Nina** [Mil17a]. **nls2** [BH94]. **No** [Ano16, The99]. **noise** [LF15]. **nomisweb** [Smi17]. **Nomogram** [CG15]. **Non** [BH94, Dev86, Gas11, SP14a, Fog17]. **Non-Linear** [Gas11, BH94]. **Non-Parametric** [SP14a]. **Non-uniform** [Dev86, Fog17]. **Nonhomogeneous** [CAA15]. **Nonlinear** [AC04, CLL17, DMS14, Gan15, Gra07, Hew05, PZK⁺12, RS08, Rit09, VG09, Woo98, H⁺96, HBPJ04, Rao14, Car16, O'B09b, dL09a]. **Nonnegative** [FDGD16]. **Nonparametric** [AM14, Can04, CQZ⁺10, Con03, DLN17, FDB12, JM15, JHQ⁺11, KK15, KPSH15, MVS13, Mü16, NGBK12, OCRC14, PP18, dREP12, Sav16, SVMMP17, Wel18, HHJC14]. **Nonstationary** [Gra07]. **nopp** [CI17]. **Normal** [AD15, Phi10, PMM18, AD17, Kom09]. **Normality** [JJJ14, JV14]. **Norman** [IR12]. **Northcon** [IEE93, IEE94]. **Northcon/93** [IEE93]. **Northcon/94** [IEE94]. **Northorn** [Ano06a]. **Notes** [R D11a, Mil92, VS02, Ven04]. **np** [Har08]. **nparcomp** [KPSH15]. **nparLD** [NGBK12]. **npbr** [DLN17]. **NPcirc** [OCRC14]. **npregfast** [SVMMP17]. **npRmpi** [HHJC11]. **nse** [AB17b]. **Nucleotide** [SBMG06]. **Null** [ZFZ10]. **Number** [CGBN14, SIR⁺11, Fog17, Kom09, Lu18]. **numbers** [CHB14]. **Numerical** [AB17b, Blo14, Kha18, Kos15, Kuo03, Lud13, Rob19, SS18a, SS18b, Var14, How17, Mye12b, O'B12b]. **NumPy** [EW16]. **NUOPT** [Ano99, SM05]. **Nutshell** [Adl12, Adl10, Edd11, Leo10]. **Nyhuis** [Iac15].

O [Sco11, NPP18]. **Object** [ATF10, Cal95, Cha14b, Lo 93, Lo 94, MC97, PR07]. **Object-Oriented** [ATF10, Cal95, Cha14b, Lo 93, MC97, PR07]. **Objective** [HWY18, VG09]. **Objects** [CP11a]. **Observation** [OH11, SD18]. **Observational** [Ros10a]. **Observations** [TGJ17, VV16]. **Observed** [Alb16, KNI16]. **Observed-Score** [Alb16]. **occasion** [DO94]. **Occupancy** [MBGK18]. **Occurrence** [FC11, GVM16]. **October** [IEE93, IEE94]. **Odds** [FH09, PCAS09]. **Office** [Pol09]. **ofw** [CC08a]. **Ohri** [Mat15]. **OLAT** [ZUL14]. **Old** [AB90]. **Olsen** [Sis03]. **Olson** [Ano03c, Ano06b, Bar02, Bro07, Mac98, Zie98, Zie01c]. **Olympia** [HI97]. **Oncology** [WS11]. **OneArmPhaseTwoStudy** [KWE⁺17]. **Online** [Din06]. **ontologies** [RB11]. **Open** [The99, TRM16b, Aji17, Fri16, SA15]. **open-source** [SA15]. **OpenCPU** [Kor18]. **Opening** [SGHY11]. **OpenMP** [JPOJ12].

OpenMP-style [JPOJ12]. **Operating** [GG16]. **OptGS** [Was15]. **optim** [Var14].

Optimal [CI17, GZP14, HWY18, LRRÁCSGS14, MdL10, RPVG11, Was15, You12, dLM09a, AA12, Grö11].

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[PJSPC17]. **optimx** [NV11]. **Order**

[HHB08, YWL02]. **Ordering**

[Ros10b, BPSS09]. **Ordinal** [AD15, Arc10, BP12, CGC11, GSD12, LX12, PCAS09].

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Oregon [IEE93]. **organisation** [Dir18].

Oriented [Mur03]. **Oriented** [ATF10, Cal95, Cha14b, Lo 93, Lo 94, MC97, PR07].

Orientlib [Mur03]. **origami** [CH18].

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Outputs [MRC15, Pap16]. **ová** [Oli07].

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Overview [Cha95]. **Owen** [Ng11, O'B09a].

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[Bra03, BL11, Cha14a, Eas03, Gle16a, Grö16, Hel15, IDE15, Law02, Lum01, Mai10, Mat15, Mat16, Mye12a, Neu11, O'B09c, Rus15, Sco10a, Zie99, Til96, ACG⁺16, Cam12].

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BVE⁺15, BN10, Bon18, BDdM11, BPB09, BD18, BCAB07, Bra15, Bra14, Bra17, BS13, BPDD08, Bür17, Bur12, But08, CdM10, CSNF18, Cam12, CC08a, CB17, CFHKB11, CAA15, Cha12, CNA16, CQZ⁺10, CGBN14, CKSLS12, CC11, CKY14, CGC11, CGC14, CFSR15, CO16, CF08, CGS09, CJM06, CI17, DMB18, DLN17, DBZ⁺11, DC05, DMD15, Den16, DW17, DM18, DK18, DPSH18, DGP08, EE07, EBO⁺13, FS10a, FBdlF12, FDB12, Fer11, FDGD16, Fie12, FBC07, FO15, FC11, FH09, FC12, FM08]. **Package** [FKP17, FGEMI12, FS10b, GR16, GRD13, GSD12, Gan15, Gas11, GGC⁺15, GRK⁺16, GP12, GG16, GKZ16, GK16, GKD14, Gio09, GGK10, GZ11, GLC⁺15, GCA12, GFS14, GDMB08, GFC12, Gos11, Gra07, GT10, GvdMW09, GW18, Grö10, Grö14b, Grö18b, GvdL12, GH11, Gu14, GV12, Had10, HPWdL15, HHB08, HH14, HD18, HSL11, Han06b, Han07b, Har10, HD12, HXY12, HM18, HP09, HH19, HH07, HPCS14, HM11, HMS16, Hoh18, Høj04, HHY05, HL07, Høj12, HMR⁺13, HG14, HSG12, HGG08, HK08, HWY18, IP08, IDE15, IV05, ILS11, ICL16, Jac11, JPM19, Jal19, JM15, JJJ14, JKvT⁺14, JGM18, JD15, Jon07, KMC⁺12, KSHZ04, KL14, Kas16, Kav15, KK15, Kie08, KWE⁺17, KE14, KO06, KNI16, KF14, KN03, KG17, KR10, KY10, KK14, KSBZ16, KPSH15].

Package [KV13, KT16, KSP15, Kuh08, KR13, LAF⁺17, LRGTA12, LJH08, LIL⁺15, Lee13, LM18, Lee18, LRN18a, Lei10, Lei03, LHS08, LSPvdL17, Len16, LBW18, LM14b, LFF17, LZHC17, LL11, LBC⁺16, LC10, LHA⁺15, LRRÁCSGS14, dUJ13, LX12, LCSC14, MRC15, MR12, MF14, MHJS16, MH07, MdL10, Mar06, MH15, MBGK18, MF15, MP14, MPM14, ML13, MYK07, MZ08, MS11, MCM12, Mel16, MJGM10, Meu13, MW07, MVS13, ML11, MTvdM15, MBR11, MV14, MdUÁC10, MN14, MvSB⁺07, MvS07, MAG⁺11, Mur03, Mur09, MG09, NR16, Nag18, ND12, NGBK12,

NAA17, OH11, OHD17, Obe14, OCRC14, OL17, Oom13, OK14, PPGD15, PP17, Pan18, Pap16, PLRC10, PMW⁺15, PSS⁺17, PG15, PP18, Pet10, Pfa08b, PU13, PT07, PT09, PMM18, dREP12, RBB18, RLWP16, RC17, RJH14, Riz06, Riz10]. **Package** [Riz16, RR11, RMG12, Ros12, Rov17, SF18, SFS12, Sar16, SIR⁺11, SZ11, SMM⁺15, Sch16, SIRC16, Sch17b, Scr13, SR18, Scu10, SVMMP17, Sho13, SS19, SKS15, Smi07, SYC08, SLS⁺12, SP10, SPS10, SvdLN17, Sól09, SD18, Spe13, SM07, SLG05, SSV14, TP11, TM15, TMW18, TV11, TDRD13, TB17, TKM15, TMKD17, TMN16, Thi14, TFR16, TYH⁺14, Tou15, TGJ17, TF12, Tyn16, ÜKD09, ÜS10, USHH18, VW13, VG09, Ver18, VKVC15, Vie10, VV16, VKM18, VdL09, VYD⁺12, VS10, WGS12, WMS17, WW11, Wan11, Wan13, WLH⁺18, Was15, Wee10, WF12, Wel18, WDM⁺11, WM14, WCHB11, Wie04, WMR16, XMW10, XWHL15, Xie13a, YEL18, You10, YL17, Yua07, ZF15, ZPC⁺16, ZQS16, ZP13, dSjdSF14, dLM09a, dLM09c, dWFP11, vdWG11, Alb15, AD17, Ano13, ABEY18]. **package** [BF17, BBG14, BMOF17, BBN10, CBGGV17, Car17, CHB14, Dir18, FM18b, Gas18, GMF18, Gle16b, GEV18, HHJC11, HHJC14, HF07, HS18, IESdF18, KF17, Kom09, Lan18, Lau18, LM03, LS16, LF15, MCB18, MN17, MZ18, NPP17, NPP18, PCAS09, PFT⁺12, PDH16, PSM⁺11, R D04, RRSPT12, RRSPT14, SVM⁺17, Sek11, SAR11, Smi18, SR17, Tan18, Tho18, Tur18, VWDB16, Wil18, WD18, Yan95, YS13, Zag18, ZLHK02]. **Packages** [Alm10, Boe17, DHF15, GASA15, HL09, KMTS14, RGD12, TD07, Mil92, WML14]. **Packaging** [MBM18]. **page** [KKEM15]. **Pages** [Ver12, Ano03b, Liu18, Lu18, Pod18, Rao14, Rui17, Mai11]. **Paired** [HD12]. **Pairwise** [SBMG06]. **Panel** [BL14a, BK11, Jac11, MP12]. **Panel-Corrected** [BK11]. **Paperback** [Pol09]. **papers** [DO94]. **Paradigm** [Lo 93, Lo 94]. **Paradis** [Mai09, Ano12a]. **Parallel** [CQ95, Den16, HM16, Hof11, Röh00, RTL07, dVSWAL17, SME⁺09, TRL09, DP13, HHJC11, KF17, PSM⁺11]. **parallelism** [JPOJ12]. **parallelization** [LMY⁺11]. **Parallelizing** [PLZ⁺15]. **Parameter** [Asq14, CLL17, HWY18]. **Parameterization** [Mug10]. **Parameters** [RC17, Sar16]. **Parametric** [Cul11, HH14, Jac16, KL14, KSP15, MRL12, SP14a, TP11]. **Parametrical** [RMG12]. **Parental** [TV11]. **parfm** [MRL12]. **Parser** [Siu17]. **Parsimonious** [PMM18]. **Part** [Lei02, Lei03]. **Partial** [MW07, Sch14, Sch17a, SS18a, SS18b]. **Partially** [KNI16]. **Partition** [MH15, Sho13]. **Partitioned** [GKZ12]. **Partitioning** [GGC⁺15]. **Partitions** [Han06a, HW07]. **Parts** [ZC10]. **Party** [CI17]. **passage** [RRSPTR12, RRSPT14]. **Passing** [Hof11]. **path** [Shi16]. **Patrizia** [O'B10]. **Pattern** [BMGT15, Lab12, RD92, RD93, Val09]. **Pattern-Mixture** [BMGT15]. **Patterns** [BT05, GRD13, MR12, MTPL15, PG15]. **Paul** [Gun06, Mai10, Unw12b]. **PAVA** [dLHM09]. **pbkrtest** [HH14]. **pcalg** [KMC⁺12]. **pcIRT** [Hoh18]. **pcnetmeta** [LZHC17]. **PCovR** [VKVC15]. **PCs** [Mil92]. **pcse** [BK11]. **pcd** [Bra15]. **PDEs** [SS18b]. **pdfCluster** [AM14]. **Peace** [Num13]. **Peak** [RG07]. **Pearson** [CM14]. **Penalized** [RMG12]. **Penalty** [CS12]. **PerFit** [TMN16]. **Perform** [GGC⁺15]. **Performance** [CQ95, MCM12, ES14, Gav10, Lan18]. **Performing** [EE07, LZHC17, Spe13]. **Periodograms** [TFR16]. **Perl** [Lab12, The99, Val09]. **PerMallows** [ICL16]. **Permutation** [BPSS09, PSM⁺11, Ros10b]. **persistent** [WWDS18]. **Person** [TMN16]. **Person-Fit** [TMN16]. **Personal** [Gen98]. **Pesarin** [Ros10b]. **Peter**

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prespecified [Ros08]. **Press** [Ano16, Cun12, Grö15a, Kle17, Lu18, Pod18, Rao14, Rui17].
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prodest [Rov17]. **Product** [Sho13, OOSM18]. **Production** [Rov17].
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Programs [JS05, NK06, KKL⁺15, SMHBR06].
Progression [BVE⁺15]. **Project** [BCHR15].
Projection [Lee18]. **Projections** [LM14b, SAR11, WCHB11]. **projects** [SNR18]. **Propensity** [HP09, Sek11].
proportion [SR17, SR17]. **Proportional** [FH09, Gan15, TKM06, ZQS16, PCAS09].
Proportional-Odds [FH09]. **Providing** [Den16, GMF18, NPP18]. **Proximities** [IP08]. **PSAgraphics** [HP09]. **Pseudo** [Fog17]. **PST** [GR16]. **Psychoco** [WSZ12].
Psychology [Veh13, RKY11].
Psychometric [WSZ12]. **PTAk** [Lei10].
PtProcess [Har10]. **Public** [HGG08].
publications [Pol11b]. **Published** [Lu18].
Publishers [Aji17]. **PubMed** [RL15].
purchasing [BMOF17]. **Pure** [DC09].
Purposes [MP06]. **Pursuit** [Lee18]. **Putler** [Sco13a]. **Pyper** [XMW10]. **python** [Smi17, Smi18, GH18, Mil15a, Mül13, XMW10].
Q [LLS15, Tur18]. **Q-Learning** [LLS15].
Q-Q [Tur18]. **Qian** [Woo11]. **qicharts2** [Anh18]. **qqman** [Tur18]. **QTL** [HSG12, TV11, Bro14]. **QTS** [OS95].
Qualark [OS95]. **qualities** [PSZ17].
Quality [Anh18, MG09]. **Quandle** [FW18].
Quantification [Dro18, SS15]. **Quantile** [SS19]. **Quantitative** [Hof15, WS11, Day15].
Questionnaire [Fri12, O'B12a, Fal12].
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R [AA12, Aji17, AC04, Ano12b, Ber09, Bos09, Bow10, Bur09, Bur10, Car16, Cow03, Dav07, DN17, Dia06, Dur14, Edd09a, Esp15, Gil14, GL14, GR18, Gou05, Grö13, Grö15a, Gro18c, Hac17, Hög12, Han13a, Hel18, Hew05, Hew16, Hof15, IR12, Iac15, IDE15,

Kau13, Kha17, Kos15, Lal17, Lan17b, Laz11b, Lig09, Lor18, Lun06, Lun07a, Luo09, Mai08, Mar12, Mat13, McN14, Mor18, Mor03, Müll16, Mur14, Neu12, O'B13, Otn17, Pol09, Pol11c, Pol13, Rah14, Rao14, Ree09, Rui17, SL09, San10a, Sar06, Sch08, Sco11, Smi06, Sta07, Sto11, Utl05, VM09b, VM09a, Veh13, Vey14, Wan16, Zie04, dL05a, ADH11, ALE10, Adl10, Adl12, ACW12, AR14, AMYR16, AFHD09, Aiz12, Alb16, Alb07, Alb09, AR12, Alb15, AGG13, ATF10, AT13]. **R** [All11a, AL16, Alm10, ACG⁺16, AD15, AD17, AB17a, AWBM18, Anh18, Swe13, Ano13, ADN15, Arc10, AHvD09, AB17b, ABGF17, ABC19, ABEY18, Arm14, Arn17, Asq14, AMW14, AB12, AM14, BG18, Bac08, BL14a, BT05, BDMP15, BK11, BR07, BS15, Bak13, BF17, Bar14, BFRP13, BPL09, BY18, BS18, BBG14, BBG16, BPP17, BPSS09, BP12, BGH⁺17, Bat15, BKH17, BLY18, Bea17, BFA14, BBGL17, Bee13, Beh12, BCHY09, BKT14, BBG12, BB12, BC11, BAS12, BSVT12, BK17, BdMM15, BCG18, BLM⁺15, BPGR08, BVE⁺15, Blo14, BMOF17, BS16, Boe17, BN10, Bon18, BPGC14, BDdM11, Bor16, BPB09, Bos12, BD18, BCAB07, Bra15, BM07, Bra14, Bra17, BS13, BHW11, BPDD08, Bro14, Bro12, BBN10, BMGT15, Bür17, Bur12, But05, But08, CF14, CdM10]. **R** [CSNF18, Cam12, CM14, CBGGV17, CC08a, CG15, Car17, Car13, Car14, CB17, CP11a, CFHBK11, CAA15, Cha12, CH17, Cha08a, Cha14b, Cha16, CNA16, Cha08b, CQZ⁺10, Cha15a, Cha15b, CGBN14, Cha10, CKSLS12, CP11b, CP13, CP12, CHB14, CL11, CH11a, CC11, CKY14, CGC11, Cic15, Cla08, CMS⁺11, CS12, Coe18, CC08b, CGC14, CLL17, CFSR15, CS07, CGH⁺08, CGH⁺10, CGH⁺12a, CGH⁺12b, Cot13, CM09, CH18, Cra05, Cra07, Cra12, Cra15, CNZ99, CNZ10, CO16, CF08, CsC08, CCP⁺11, CGS09, CJM06, Cul11, CI17, DMB18, DC09, Dal02, Dal08, DLN17, DHM11, DB13, Day15, DBZ⁺11, DC05, DP13, DMD15, Dem13, Den13, Den16, DLC06, Dév09, Dir18, DW17, DM18, DMS14, Dra12, DK18, Dro18, DPSH18, Duo07, DHF15, DGP08, EN11, EF11, ES14]. **R** [EW16, ESO16, EB18, Eks12, Eks16, EJ13, Er12, EE07, EBO⁺13, EK12, EL09, Eve05, EH06, EH11, Fal12, Far05, FS10a, FBdlF12, FHM08, Fel12, FT08, FW18, FDB12, Fer11, FDGD16, FHH17, Fie12, FMF12, Fie15, Fil08, FGZ14, Fin14, Fin10, FBC07, Fir03, Fir05, FO15, FC11, FM18a, Fou09, Fox02, Fox03, Fox05b, FH09, FC12, FL16, FM08, FM18b, FBF14, FK17, Fri16, FKP17, FGEMI12, Fuj17, FS10b, GRMS11, GR16, GRD13, GH18, GB13, GSD12, Gan15, Gas18, Gas11, GGC⁺15, GASA15, GIH⁺05, Gen09, GRK⁺16, GP12, GG16, GMF18, GKZ16, GK16, GL16a, GKD14, Gio09, GL16b, GGK10, Gle16b, GLC⁺15, GK14, GCA12, GEV18, GFS14, GDMB08, Goo05, Goo13, GFC12, Gos11, Gra07, GT10, Gra16, GvdMW09, GVM16, GW18]. **R** [Gro14a, Grö10, Grö14b, Grö18b, GvdL12, GZP14, GL07, GZ09, GH11, GKZ12, Gu14, Gua13, GL15, Guh07, GV12, Had10, HPWdL15, HHB08, HD10, HH14, HD18, HSL11, Han05, Han06a, Han06b, HW07, Han07a, Han07b, HJM08, Har06, Har08, Har10, Has18, HD12, HXY12, HM18, Hec15, HH04, HN09, HH15, HP09, HH19, HH07, Hic16, HCM⁺18, Hla16, HHJC11, HHJC14, HPCS14, HM11, HM16, HL09, Hof11, HMS16, Hoh18, HF07, Høj04, HHY05, HL07, Høj12, HEL12, Hor09, HMR⁺13, HG14, HBQ04, HK11, HK15, How17, How18, HS18, HSG12, HBPJ04, HGG08, HLP11, HK08, HWY18, IP08, Iac08, IESdF18, IV05, ILS11, ICL16, Jac11, Jac16, JPM19, Jal19, JWHT13, JM15, JJJ14, JKvT⁺14, JHQ⁺11, JGM18, JPOJ12, JD15, JV14, Joh07, JS05, Jon07, JMR14, JP06]. **R** [Kab11, KHLF⁺10, KMMV14, KMC⁺12, Kan17, KSHZ04, KMH06, KF10, KD11, KN05, KL14, Kas16, Kav15, KK15, Kee12,

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[LQC⁺12]. **Registration** [BLY18]. **Regression** [AB17a, AC04, Bar18, BFRP13, BdMM15, Bon18, BKL05, Car13, CGC11, CNZ10, DLN17, DLC06, DM18, DPSH18, GKZ16, Gou10, Gra07, GZP14, GKZ12, Har01, HM18, Hew05, KN05, KL14, KV13, Lei04, LM14b, LBC⁺16, LHA⁺15, MW07, Mül16, O'B09b, RBHB15, SS19, TFR16, TR14, TGJ17, UAK⁺15, VKVC15, WMS17, WLK08, Wei02, WMR16, Woo98, XWHL15, ZLHK02, ZKJ08, ZQS16, dL09a, BH94, Fox02, H⁺96, HBPJ04, MPV12, Par06b, PCAS09, RS08, Rit09, SMHBR06, She09, VP16, Wei14, Zie04, Cow03]. **Regression-Based** [WMS17]. **Regression/Item** [CGC11]. **regressions** [GL07]. **Regularization** [Sch11]. **Regularized** [FHH17]. **Reisensburg** [DO94]. **Relational** [But08, MC97]. **relationships** [PSZ17]. **Relative** [DHM11, DM18, PP18]. **Relevant** [CGBN14]. **relevent** [MB15]. **Reliable** [AGM07]. **relsurv** [PP18]. **remBoot** [Car17]. **REML** [Yan95]. **rEMM** [HD10]. **Remote** [Gos11, ADN15]. **René** [Zie05]. **Repeated** [PCAS09]. **Replacement** [Han07a]. **Replication** [Mil15b]. **reporttools** [Ruf09]. **Representation** [Hic16]. **Representations** [Lau18]. **Reproducibility** [BBGL17, Lan18]. **Reproducible** [LT16, SvdLN17, MR09, SNR18]. **Reproducibly** [MBM18]. **Resampling** [Har06, Pol09, Sco12, CH11a, Goo05, Goo13, Rom07, Tsa14a]. **Research** [Ano99, LT16, Mai14a, Rus15, Str10, Bee13, Cha15a, Hel15, LB12, MR09, Vin10]. **Resistant** [Can04, Con03]. **Resonance** [CMS⁺11, TW11, WS11]. **Resource** [Din06, RG96]. **Response** [Arc10, Bon18, Cha12, CGC11, CO16, DBZ⁺11, Had10, HM18, IDE15, Joh07, KF14, Len09, MR12, MPM14, MTvdM15, Riz06, BBG14]. **Response-Surface** [Len09]. **Responses** [GSD12, KR13, LBC⁺16, MTvdM15, Tou15, ZC10]. **Restoring** [BK17]. **Results** [BK17, Alb15, Tan18, Tur18]. **Retention** [KSS⁺07]. **Rethinking** [Hew16, Rui17, McE16]. **returns** [FM18b]. **Review** [AA12, Aji17, All11b, AC04, Ano03a, Ano03c, Ano03b, Ano06a, Ano09, Ano10, Ano12a, Ano12b, Ano16, Arg98, Arm19, Bai11, Bar02, Bar18, Bat04, Bat08a, Bat08b, Bau14, Beb13, Ber09, Boo10, Bos09, Bos10, Bow09, Bow10, Bra03, Bro07, Bro10, Bul06, Bur07, Bur09, Bur10, BL11, Car16, Cha14a, Che11, Chi07, Cho09, Chr09, CH11b, Cow03, Dav95, Daw03, Dem17, DN17, Dem18, Den98, Dia06, Dia18, Dow17, Dur14, Dur15, Eas03, Edd09c, Edd09a, Edd09b, Edd11, Edd12b, Edd12a, Esp15, Eva11, Eva14, Fer02, Fin10, Fis06, Fle11, Fot07, Fox05a, Fri12, Gen98, Gil14, Gle16a, GL14, GR18, Gou05, Gou10, Grö11, Grö13, Grö15b, Grö15a, Grö16, Grö18a, Gro18c, Gro08, Gun06, Hac17, Hæg12, Hal93, Han13b]. **Review** [Han13a, Han98, Has18, Hec07, Hel15, Hel16, Hel18, Hew05, Hil06, Hil10, Hly09, Hof15, Hor12, How11, How16a, How16b, Hüs18, IR12, Iac15, Jam96, Jon13, KK99, Kau13, Kha16, Kha17, Kha18, Kim95, Kle17, Ko95b, Ko95a, Kos16, Kuh10, Kum07, Kus03, Lab12, Lal17, Lan17b, Law02, Laz11a, Laz11b, Leo10, Lep14, Lig09, Liu15, Liu16a, Liu16b, Liu18, Lor18, Lu18, Lud13, Lum01, Lun02, Lun06, Lun07b, Luo09, Lüt11, Mac98, Mai06, Mai08, Mai09, Mai10, Mai11, Mai12, Mai14a, Mai14b, Mal13, Mal09, Man03, Mar12, Mat13, Mat15, Mat16, McN14, McN04, Mil12, Mil10, Mil17a, Mil17b, Mor18, Mor03, Mül16, Mun14b, Mur14, Mye09, Mye12b, Mye12a, Neu11, Neu12, Ng06, Ng09, Ng11, Nie11, Nie14, Nor08, Nor09, Nor14, Nor15]. **Review** [Num13, O'B08, O'B09c, O'B09a, O'B09b, O'B10, O'B12b, O'B12a, O'B13, O'B14, Oli07, Oli10b, Oli10a, Oom10, Otn17,

Pan15, Pav16, Pfa12, Pic09, Pie09, Pod15, Pod18, Pol09, Pol11a, Pol11c, Pol13, Qia10a, Rao14, Ree09, Ree18, Ric11, Rob12, Rob13, Rob19, Rob05, Rob07, Rob09, Ros10b, Rui16, Rui17, Rus15, SL09, San10b, San10a, San11, San03, SCD07, Sau10, Sau11, Sau12, Sch08, Sco09, Sco10b, Sco10a, Sco11, Sco12, Sco13b, Sco13a, Sen14, Sha11, She11, Sis03, Smi06, Soe10, Sta07, Sto11, Str10, Sun15, Sun16, Til96, Tol03, Tsa14a, Tus05, Unw11, Unw12b, Unw12a, Unw13b, Unw13a, Utl05, VM09b, VM09a, Veh13, VSS⁺17, Voe09, Wan16, Wic08b, Wic08a, WG10, Wil14a, Woo01, Woo11, Woo98, Yal10, Yu12, Zei16, Zie98, Zie99, Zie00]. **Review** [Zie01c, Zie01b, Zie01a, Zie02a, Zie02b, Zie04, Zie05, dL05b, dL05a, dL06, dL09a, dL09c, dL09b, AC07, Dav07, Har08, Har07, Lun07a, Tyl07, Vey14]. **reviews** [Hew16, Kos15, Lew16, Lha14, Pal15a, Sha16]. **rgenoud** [MS11]. **RgoogleMaps** [LR15]. **RGtk2** [LL10]. **Rich** [AB12]. **Richard** [Fle11, Rui17, Sco10b, Utl05]. **Richness** [SP05, Wan11]. **RinRuby** [DC09]. **Ripley** [Arg98, Fer02, Jam96, Zie01b]. **RISE** [Wil18]. **Risk** [ABGF17, CNA16, DHM11, DM18, SZ11, Pfa13]. **Risk-Based** [ABGF17]. **RiskPortfolios** [ABGF17]. **Risks** [Mal13, dWFP11, BAS12, MN17]. **Ritz** [O'B09b]. **RKward** [RFKM12]. **RLadyBug** [HF07]. **RMatlab** [VfV13]. **RMatlab-app2web** [VfV13]. **rmcfs** [DK18]. **Rmixmod** [LIL⁺15]. **RNetLogo** [Thi14]. **Robert** [Gol11, Mai12, Neu11, Ng11, Nor14, O'B09a, O'B13, Pol13, Sau11, Sco10a, Sco13a, Voe09, Cha14a, Sch08]. **ROBETH** [MJR93]. **Robin** [Gle16a]. **Robinson** [Mye12a, Ng11, O'B09a, Sco11]. **RobPer** [TFR16]. **Robust** [AMYR16, BGH⁺17, H⁺09, JP06, KSS⁺07, KSBZ16, LH12, MJR93, TFR16, VW13, Wie04, ZFZ10, SHR97, Oli07, Tyl07, dL06]. **Robustbase** [Fin10]. **robustloggamma** [AMYR16]. **Roger** [HH14]. **Roland** [Lu18].

Roll [PLLC11]. **Root** [Lup09]. **rOpenSci** [BCHR15]. **Routine** [CKY14, RL15]. **Routines** [LM14b, MJR93, Müll13, Lan95]. **Rouvière** [Unw13b]. **Rowman** [Aji17]. **rpanel** [BCAB07]. **rpartOrdinal** [Arc10]. **rpartScore** [GSD12]. **RProtoBuf** [ESO16]. **RRreg** [HM18]. **RSKC** [KSBZ16]. **rsm** [Len09]. **RSNNS** [BB12]. **RStudio** [Grö15a, HK15, Rac12]. **rTensor** [LBW18]. **RTI** [SVM⁺17]. **rtimicropem** [SVM⁺17]. **Rubba** [Iac15]. **Ruby** [DC09]. **rucrdtw** [BS16]. **Ruey** [Lep14]. **Rule** [RBHB15]. **Rule-Based** [RBHB15]. **Run** [ZPC⁺16]. **runjags** [Den16]. **Running** [FK17, SLG05]. **Runtime** [KKL⁺15, LMY⁺11].

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WLK08, Wie04, Yan95, YWL02, ZW03, Ziv05, Ano03a, Ano03c, Ano03b, Ano06b, Arg98, Bar02, Bra03, Bro07, Bur07, Dav95, Daw03, Dia06, Eas03, Fer02, Fis06, Fot07, Han98, Jam96, Kim95, Ko95b, Ko95a, Kum07, Kus03, Law02, Lum01, Mac98, McN04, Mor03, Sis03, Til96, Tol03, Woo01, Zie98, Zie99]. **S** [Zie00, Zie01c, Zie01b, Zie01a, Zie02a, Zie02b, Zie05, KK99, Lun02]. **S-language** [Röh00]. **S-PLUS** [AC04, Ano99, Cow03, Hew05, Pol09, SCD07, Sta99, Süs93, Utl05, Woo98, Zie04, dL05a, Den98, Fox05a, Kra97, Ano95b, Ano97, Ano98, BH94, But05, Can04, Car04, Con03, Eve94, ERH01, Eve02, Eve05, FGG⁺94, Gen98, Ger94, GZ11, Goo05, Gru95, Hal93, Har06, HC05, H⁺96, HBPJ04, Kon04, Kuo03, Lan95, MJR93, MC97, Mat85, Sta92a, Sta92b, Sta93a, Sta93c, Sta93g, Sta93e, Sta93h, Sta93j, Mat94, Mil98, Mil02, PB00, SM05, SP05, Sta93b, Sta93d, Sta93f, Sta93i, Sta93k, Sta95c, Sta95d, Sta95e, Sta95g, Sta95f, SHR97, VR94, VR99, VR00a, Ano96, BA97, BG96, BHS00, Cra02, CN97, Dia05, Fox02, KO97, KO00, KM01, Kra05, Las97, Lo 93, Lo 94, Man03, Mat98, Mil00, MN01, OS95, Pri05b, Rom07, RD92, RD93]. **S-Plus** [SCK95, Sel98, Spe94, Sta95a, VR97, Wie04, ZW03, Ziv05, HH04, SA01, Yan95, YWL02, Ano03c, Ano06b, Arg98, Bar02, Bro07, Daw03, Eas03, Fer02, Fis06, Fot07, Han98, Jam96, Kum07, Kus03, Lum01, Mac98, Sis03, Zie98, Zie01c, Zie01b, Zie01a, Zie02a, Zie02b, Zie05, Ano03b, Bra03, Bur07, Dav95, Dia06, Kim95, Ko95b, Ko95a, Law02, McN04, Mor03, Til96, Tol03, Woo01, Zie99, Zie00, KK99, Lun02]. **S-Plus(R)** [Lun06, Ano03a]. **S4** [KSHZ04, KR10]. **SAEM** [CLL17]. **saemix** [CLL17]. **Salmaso** [Ros10b]. **Sample** [LQC⁺12, MVS13, PLRC10, WMR16]. **Sampler** [MHJS16]. **Sampling** [Bar14, CC11, GKZ16, Han07a, Kie08, Laz11a, PG15, VSV09, ST10]. **SamplingStrata** [Bar14]. **Sandboxing** [Oom13]. **sanon** [KK15]. **Sarkar** [Kuh10, Nor08]. **SAS** [GL14, Mai12, O'B08, Ree09, Rob09, Sau11, Voe09, BMGT15, Cha08b, HH04, KH10, Mue09, Pri05b, Rec10, SMHBR06, SC07, Tae14, TR14, TPAM07, Wei12, Utl05, Oom10]. **Satellite** [MCAP19]. **Saunders** [BPL09]. **SAVE** [PPGD15]. **Saveliev** [Oli10a]. **Sawitzki** [Mil12, Boo10]. **Say** [The99]. **Scalable** [CQ95, LM14a, NL12]. **Scale** [CB17, CFHBK11, Gra16, SR07, vdA07, vdA12, SNR18]. **Scales** [PLR⁺16]. **Scaling** [KM08, MdL10, PLLC11, ÜKD09, dLM09a, dLM09b]. **Scatterplot3d** [LM03]. **Schemes** [TDRD15]. **Schloss** [DO94]. **Schumacker** [Mor03]. **Science** [Blo14, Cha15b, Dow17, Dur15, DGP08, Kos15, Liu18, Mil17a, Mil17b, Rao14, SO13, Str10, All86, BKH17, Hor09, Mil15a, Pie15, Vin10, WG17, ZM14, RL15]. **Sciences** [All86, DK09, Mun14b, SVMMRP17, Gua13, NL14]. **Scientific** [DN17, HI97, Hil10, Ng11, O'B09a, Sco11, JMR14, Kut13, OJMR09]. **Scientist** [Grö18a]. **scientists** [Ohr14]. **Score** [Alb16, ABC19, HP09, Sek11, dSJdSF14, PCAS09]. **scores** [Gas18]. **Scraping** [Iac15, KF17, Mun14a]. **Screening** [SF18]. **Scriptics** [Ano99]. **scripting** [LMY⁺11]. **sdcmicro** [TKM15]. **SDD** [BDMP15]. **Seamless** [EF11, PFT⁺12]. **Search** [ALE10, ARC04, BS16]. **Searching** [GFC12]. **Seasonal** [KMTS14, SE18]. **SEATS** [SE18]. **Seattle** [IEE94]. **Sébastien** [Mai11]. **Second** [Dur14, Hac17, Has18, Mai12, Unw12b, VM09b, AC04, Gil14, Tsa14a]. **Security** [KSC⁺00, Oom13]. **Segmentation** [BLY18, TNM17]. **Segmented** [Mug10]. **Select** [CC08a]. **Selecting** [LRRÁCSGS14]. **Selection** [CdM10, DK18, HPWdL15, HMS16, LAF⁺17, LBC⁺16, ND12, Sch11, SR18,

TMW18, WF12, WMR16, Kom09, PFT⁺12]. **Selvin** [Zie00]. **Semi** [Cul11, JHQ⁺11, KL14, KSP15, LIL⁺15, OH11, SP14a, BBN10]. **Semi-** [JHQ⁺11, SP14a]. **Semi-Markov** [KSP15, BBN10]. **Semi-Parametric** [Cul11, KL14]. **Semi-Supervised** [Cul11, LIL⁺15]. **SemiMarkov** [KSP15]. **Semiparametric** [Bur12, Gra07]. **SemiParSampleSel** [WMR16]. **Sensing** [Gos11]. **Sensitivity** [GT10, SP10]. **September** [Bia94]. **seqHMM** [HH19]. **Sequence** [HH19, MB15, VV16, TNM17]. **Sequences** [GRMS11, GR16, Mel16, OH11]. **Sequential** [CC11, GG16, IDE15, KF14, Was15]. **Serial** [BDMP15]. **Serialization** [ESO16]. **seriation** [HHB08]. **Series** [All11b, Ano03a, Ano10, Bos10, Bra15, Bur07, Car16, DMS14, Edd09a, Fis06, Fot07, Hac17, Har07, Has18, HK08, Kas16, Kha17, Kum07, Lau18, LFF17, Lor18, Lu18, Lun07a, Lüt11, Mai10, MCAP19, MYK07, McN04, MV14, Pod15, Pol13, Qia10a, Rao14, San10b, San11, SCD07, Tol03, VdL09, BS16, Bos09, CM09, CsC08, CCP⁺11, Nie11, Per14, Pfa06, Pfa08a, Sch08, SS06, SS11, Tsa10, Tsa14b, WGE17, ZW03, Ziv05, ZM09, ZML16, Bos09]. **Series-Theory** [Rao14]. **Server** [Ano99, MC97, Kor18]. **Services** [Kra95, Aji17, Fri16]. **Set** [CGBN14, HW07, LPLPD14, dLHM09]. **Sets** [BDdM11, MH09]. **Seventeenth** [All86]. **several** [TPAM07]. **Shaken** [GKZ12]. **Shape** [LPLPD14, SR07]. **Shaped** [PG15]. **shapes** [Ros08]. **sharing** [KKEM15]. **Shi** [CCP⁺11]. **Short** [Bat08a, Bat08b, The99, Häg12, Han13b, Han13a, Kau13, Luo09, Mai08, Mai09, Mai10, Mai11, Mai12, Nor08, Nor09, Num13, O'B08, O'B09c, O'B09a, O'B09b, O'B10, O'B12b, O'B12a, O'B13, Pol11c, Pol13, Ric11, Rob12, Ros10b, Sco09, Sco10b, Sco10a, Sco12, Sco13b, Sco13a, Sta07, Unw11, Unw12b, Unw12a, Unw13b, Unw13a, Veh13, Voe09]. **Shortage** [KSC⁺00]. **Shortfall** [CNA16]. **Should** [Cun12]. **Shrinking** [CQZ⁺10]. **Shumway** [Pol13, Sch08]. **Sightability** [Fie12]. **SightabilityModel** [Fie12]. **sigma.js** [Coe18]. **sigma.js** [Coe18]. **Significance** [CFHBK11]. **Significant** [GFC12]. **Sik** [Qia10a]. **SILC** [Lon15, Esp15]. **simcausal** [SvdLN17]. **simecol** [PR07]. **SIMEX** [HXY12]. **simFrame** [ATF10]. **Simian** [TNM17]. **Simon** [Chi07, Iac15, Rob07]. **simPH** [Gan15]. **Simple** [BCAB07, MN14, RTL07, ZFZ10, dLM09c]. **simpleCache** [SNR18]. **SimpleITK** [BLY18]. **Simplex** [ZQS16]. **simplexreg** [ZQS16]. **simPop** [TMKD17]. **Simulate** [DC05, MvSB⁺07]. **Simulating** [BS18, BVE⁺15, GRD13, Han07b, MCM12, Day15]. **Simulation** [ATF10, AHvD09, BGH⁺17, DN17, Hil10, Iac08, LT16, Laz11a, MN14, Ng11, O'B09a, PK08, Rip87, SMM⁺15, Sco11, SvdLN17, TMKD17, BF17, JMR14, MN17, OJMR09, ST10, Bur09, Luo09, Sto11]. **Simulations** [CGC11, HM16, PFT⁺12]. **Simulator** [MRC15, BB12]. **SimultAn** [GZ11]. **Simultaneous** [GZ11, HH07, KPSH15, KR13]. **Single** [IDE15, KWE⁺17, KF14, SBMG06, Su07, SR17]. **Single-Arm** [IDE15, KWE⁺17, KF14]. **Singular** [GK14, BFA14]. **SIS** [SF18]. **Size** [LQC⁺12]. **Sizes** [MBGK18]. **Skew** [LM18, ML13]. **Slave** [Tyn16]. **SMACOF** [dLM09b]. **Smale** [GP12]. **smarter** [GL16a]. **Smith** [Oli10a]. **SmoothHazard** [TGJ17]. **Smoothing** [Bar18, Cam12, Can04, Con03, Den98, Gu14, Här91, Kle09, MPM14, PT07, PT09, BA97]. **sms** [Kav15]. **Snippet** [Aiz12, AD15, BDMP15, BK11, BS18, CG15, Car13, CO16, DMB18, FKP17, GVM16, Han06a, HW07, Han07a, HXY12, Hof11, Hoh18, Jal19, LW16,

LQC⁺12, LRN18b, MF14, MHJS16, MTPL15, MBGK18, MF15, MP14, NK06, NAA17, Pan18, Pap16, PZK⁺12, Phi10, Rec10, RBB18, Ruf09, SBMG06, TR14, VSV09, Wei12, XMW10, dSjdSF14]. **Snow** [TRL09]. **sns** [MHJS16]. **Social** [AT13, Str10, Vin10]. **sociales** [Gua13]. **SOCR** [Din06]. **Soetaert** [Lud13]. **Soft** [Sta99]. **Software** [AR14, BCHR15, But05, Cha08a, GL14, Har08, Hil96, IR12, KPSH15, Kra07, NV11, NGBK12, OS95, PN97, Sek11, SKZ05, TRM16b, Wie04, ZS17, Aji17, Bor16, FGZ14, Fin10, Fri16, LS05, Mat11, PCAS09, PSZ17, SA15, FL16, Oli10b]. **Solar** [Lam12, Lam12]. **Solari** [Ros10b]. **Solutions** [Dav07, Lud13, GIH⁺05]. **Solved** [LKD08]. **Solver** [Tou15]. **Solving** [SPS10, SCM12, VG09]. **Some** [Mil92, AB90]. **Song** [Woo11]. **Sonia** [O'B10]. **Sons** [Ano03b, Hel15, Iac15]. **Sophia** [Daw03, Zie02b]. **Søren** [Han13b]. **Sorin** [Ano12b]. **sound** [MZ18]. **Source** [TRM16b, Aji17, Fri16, SA15]. **Soviet** [Bia94]. **Soviet-Italian** [Bia94]. **Sozialwissenschaften** [Luh13]. **spa** [Cul11]. **Space** [DLC06, Jal19, PP11, Pod15, PLR⁺16, ÜS10, Per14, SS18a, SS18b]. **Space-Time** [Pod15, Per14]. **spacetime** [Peb12]. **spam** [FS10b]. **sparr** [DHM11]. **Sparse** [AMW14, Bra14, Bra17, FS10b, KN03, KSBZ16]. **sparseHessianFD** [Bra17]. **SparseM** [KN03]. **spate** [SKS15]. **Spatial** [Alm10, BT05, BDdM11, DHM11, Eva14, FBC07, GGC⁺15, GLC⁺15, Gra16, HPCS14, LRGTa12, Lee13, LRN18b, MP12, PG15, Pir10, Pod15, RD92, SYC08, TDRD13, TDRD15, Arm14, BPGR08, Per14, RD93, Gle16a]. **Spatial-Temporal** [LRN18b]. **Spatially** [RC17]. **Spatially-Varying** [RC17]. **SpatialStats** [Ano96, KVCS98]. **Spatio** [BS15, GRD13, LRN18a, Lei10, Mil15b, Peb12, SKS15, TDRD13, ACG⁺16, BL14b]. **Spatio-Temporal** [BS15, GRD13, LRN18a, Lei10, Peb12, SKS15, TDRD13, ACG⁺16]. **Spatiotemporal** [TDRD15]. **spatstat** [BT05]. **spBayes** [FBC07]. **Special** [FGZ14, TW11]. **Species** [GVM16, MBGK18, SP05, Wan11, Wan11]. **Spector** [Bat08a, Ko95b, Sau10]. **Spectra** [Ano99, Kra07]. **spectrino** [Kra07]. **Spectrometry** [CS12]. **Spectroscopic** [MvS07]. **Spectrum** [GK14]. **speculation** [SWHJ17]. **speedR** [VYD⁺12]. **Spherical** [FDGD16]. **sphet** [Pir10]. **Spider** [EL09]. **Spider-Man** [EL09]. **spikeSlabGAM** [Sch11]. **Splancs** [RD92, RD93]. **Spline** [Gu14, Sch17a, WMR16, RHJC14]. **Splines** [Cam12, WLK08, ACG⁺16]. **split** [OS95]. **split-beam** [OS95]. **splm** [MP12]. **SPlus** [Sta97a, Sta97b, Sta97c, Sta98a, Sta98b]. **SPlus-4** [Sta97a, Sta97b, Sta97c]. **SPlus-5** [Sta98a, Sta98b]. **SPODT** [GGC⁺15]. **Spread** [GW18]. **Spreadsheet** [Fle11, Sco10b, HN09]. **Springer** [Bos09, Hof15, How16b, Mat15, Mat16, Rus15, Zei16]. **Springer-Verlag** [Hof15, How16b, Mat15, Mat16, Rus15, Zei16]. **SPRINT** [PSM⁺11]. **SPSS** [GL14, Mai12, Ree09, Sau11, Voe09, BP12, Mar07, Mue09, RKY11, Veh13]. **spTest** [Wel18]. **spTimer** [BS15]. **square** [CM14]. **Squared** [Rec10]. **Squares** [FHH17, Len16, MW07]. **SSN** [HPCS14]. **Stability** [TMW18]. **Stable** [dVSWAL17]. **stack** [ZGS⁺18]. **Stage** [JPM19, MMB15]. **stampr** [LRN18b]. **Stan** [Bür17, McE16, Rui17, Hew16]. **Standard** [AB17b, BK11]. **Standards** [WST11]. **Starch** [Ano16]. **Start** [SH17]. **started** [Mat98]. **Stat** [Lub91, Nar05]. **Stata** [BBG16, Gol11, SMHBR06, FHH17, MH10, Lal17]. **State** [CP11a, DLC06, GRMS11, GR16, IEE94, Jac11, KSP15, PP11, SME⁺09, dWFP11]. **States** [BL14b]. **Stationary** [EN11, VV16]. **STATISTICA** [Mar07]. **Statistical** [AFHD09, ATF10, AL16, Ano06a, AGM07,

BBG16, Car04, Car14, CH93, Cra02, Dav95, Dem18, Dia18, Dia05, DO94, EJ13, EK12, Eve94, Eve02, FBdlF12, FDGD16, FL16, GL14, Grö15a, HI97, HKS08, HH04, HH15, Hil06, Hly09, HPCS14, H⁺96, HBPJ04, IR12, Kim95, KNI16, Ko95a, KC14a, KC14b, Lei13, Lon15, Lun02, Lun07b, Man03, Sta93e, McE16, Mor03, MG09, Mwi13b, Nor09, Nor14, OHD17, Oli07, PPGD15, Pan18, Pen08, PD08, Pfa12, Pol11c, Pri05b, R D11b, Rao14, RFGD08, Riz08, Rob12, RFKM12, RTL07, SL09, SF18, Sta93f, TP11, Tae14, TKM15, Ty107, Wic08a, Xie13a, Zie02a, dL06, Ano13, BNB96, BNB07, BNB08, Bos12, BM07, EH06, FGZ14, Fou09, Ger94, HK11, HK15, JWHT13, JP06, KD11, KH10, LS05, Mat94]. **statistical** [Mat11, Mil92, PCAS09, Röh00, SA01, Sta09, Tan18, Til96, WML14, AC04, Ano03b, Dia06, Esp15, Hew05, Hew16, Kus03, Lal17, Nor15, Rui17, Sco13b, Sha16, Utl05, Woo98, Zie05, dL09c]. **Statistically** [LAF⁺17, MZ18]. **Statistician** [IDE15]. **Statistics** [Ano09, Arg98, Bat04, Bat08b, Boo10, BHH05, Bra03, BL11, CC08b, Cra05, Cra15, Dal02, Dal08, Din06, DO94, DK09, Drä12, Eas03, Edd09c, Fer02, Fie15, Fle11, Fox05b, Fri16, Har06, HH18, HBQ04, Jam96, KK99, Kee18, Kha16, Kra95, Law02, Lew16, Liu15, Liu16b, Lu18, Lub91, Lum01, Mäc07, MJR93, MB15, Mar07, Mul15, Ng09, O'B09c, Pol09, RKY11, Ree18, Ruff09, Rup04, Rup11, San03, Sco10b, Sco12, Sta97a, Sta98a, Unw11, Unw13a, VM09b, VR94, VR02, WF12, WG10, Woo11, Zei16, Zie01b, All86, Bak13, Bos09, CH11a, CGH⁺12a, Dév09, FMF12, Goo05, Goo13, Hec15, HN09, Hel15, Kee10, KM01, Mil12, MN01, Nas08, Pan15, PNR13, Pie09, Qia10b, Qia16, RFGD08, Rom07, RAM05, Saw09, Sha12, TRM16a, UMA08, VR97, VR99]. **statistics** [VR00a, Ver05, Ver14, Smi06, Unw13b, Aji17, Ano12b, Gou05, Hel15, Mil10, Ng06, Tsa14a, Veh13, Wan16]. **Statistik** [DK09]. **Statistiksoftware** [Luh13]. **Statistiques** [CGH⁺08, CGH⁺10, CGH⁺12b, Gua13]. **Stats** [Zie99]. **Stayton** [Mai09]. **Stefano** [Bur09, Luo09]. **Steffen** [Han13b]. **step** [Cot13, GB13]. **step-by-step** [Cot13, GB13]. **Steve** [Zie00]. **Steven** [Eas03, Lum01, Zie99]. **Stevens** [Hor12]. **Stirred** [GKZ12]. **StMoMo** [VKM18]. **Stochastic** [Bur09, CC08a, CJM06, Iac08, Kas16, Luo09, MHJS16, PK08, Rip87, Ros10b, SKS15, SS15, Sto11, VKM18, BPSS09, HF07]. **stochvol** [Kas16]. **Stoffer** [Rao14, Sch08, Car16, Pol13]. **storage** [Dir18]. **stpp** [GRD13]. **strategically** [BMOF17]. **Strategies** [Har01]. **Stratified** [Bar14, KK15]. **Stream** [HD10, HPCS14]. **Streibig** [O'B09b]. **string** [NPP17]. **strucchange** [ZLHK02]. **Structural** [BKL05, Obe14, PT09, Ros12, ZLHK02, Shi16]. **Structured** [UAK⁺15, Jon07]. **Stuart** [O'B09a]. **Student** [Kau13, Mat13, Mur14, Den13, AHvD09, HJM08]. **Student-** [AHvD09]. **Students** [GL14]. **Studies** [ADH11, BPB09, Bra03, Eas03, Esp15, HSL11, IDE15, KWE⁺17, KF14, LT16, MF15, NAA17, PC11, Ros10a, SvdLN17, ZFZ10, Fou09, KM01, Lon15, SL09]. **Study** [HM16, MCM12, JV14, PD08, YS13, ZGS⁺18]. **Studying** [PG15]. **Stuttgart** [BB12]. **style** [JPOJ12]. **subroutines** [Las97]. **subsequence** [BS16]. **Subset** [MZ08]. **Subsets** [LAF⁺17]. **Suess** [Laz11a]. **Sufficient** [AR14]. **Suffix** [GR16]. **Suite** [Alm10, LH14]. **Summary** [SHN17]. **Sums** [FDGD16]. **Superheat** [BY18]. **Supervised** [BD18, Cul11, LIL⁺15]. **Supplement** [Sta92b, Sta95g]. **Supply** [The99]. **Support** [EW16, HP09, KMH06]. **Supporting** [Aiz12, GMF18, SVM⁺17]. **Sure** [SF18]. **Surface** [Len09]. **surrogate** [TPAM07]. **Survey** [CG15, Kuo03, Obe14, Gle16b]. **Survey-Weighted** [CG15]. **Surveys** [AT13]. **Survival** [CSNF18, CKY14, FC12,

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