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Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

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16 [CG10]. 17 [SMP12]. 2 [Cam15, DGDG13]. 20 [CA11]. 37 [BMHD11]. 404
[KK13]. 5 [Cam15]. 2 [RYY10]. m [Sch08]. A [Bur07b]. C [YZF13]. F^3
[BGS19]. g [AK15, ER19b, Gag09, GR09, Rou08, Sch10a, Sch10b, Sch13e,
Tol08, Woe08a, vEW08, vEW09]. H
[ZTG11, ZYCK12, ACHVH09, AOdFC12, BBMP12, BI10, BBL15, BD07a,
BD10b, BMD10, BMHD11, BM12, Bor13a, Bor14b, Bur07a, Bur07b, Bur13a,
Cam14, zChHY13, CMMT13, CB07, Die15, Egg08a, Egg08b, Egg10b, Egg10a,
ER19a, ER19b, ER21, FM11b, Gag09, GM12, GP12, GS10, GR09, Kos13a,
KHC11a, KHC11b, KHC13, LR08, LF12, LRWY13, LY14, Mal16, MR13,
NT12, NO10, PSZZ12, Pra13a, Pra13b, Rou08, RYY10, RY12b, RGZSC13,
Sch08, SMP12, Sch13c, Sch13d, Sch15, Smo21b, Van08, WLH11, YR08,
ZYZ18, ZRY11, ZY12, vEW08, vEW09]. $h^{(2)}$ [Rou08]. hg [MT10]. k
[ZLL⁺18]. L [LY14]. $L^2[0, T]$ [ER19b]. N [Khr09, BO19]. π [Vin13b]. ψ
[Lat21]. Q [RLG13, RLG14]. q^2 [CAHVH10]. R [Gag11, LCY19]. R^2 [Rou08].

S [Pra13c]. *w* [Per17b]. *Z* [PS13, Lun07].

-authors [BO19]. **-based** [FM11b]. **-bubble** [Pra13b, RGZSC13]. **-core** [Cam14, zChHY13, KHC11a]. **-cores** [LRWY13]. **-Degree** [ZRY11, ZY12]. **-gram** [Khr09]. **-Index** [ACHVH09, AK15, AOdFC12, BBMP12, BBL15, Bur07a, Bur07b, Bur13a, CMMT13, CB07, Egg08a, GM12, GS10, GR09, KHC11b, KHC13, Lat21, LR08, LF12, LY14, Mal16, MR13, MT10, NT12, NO10, PSZZ12, Per17b, Rou08, RYY10, RY12b, Sch08, Sch10b, Sch13c, Sch13e, Sch13d, Sch15, Tol08, Van08, Vin13b, Woe08a, WLH11, YR08, ZYZ18, Bor14b, CAHVH10, BGS19, Bur07b, PS13, Pra13c, Rou08, YZF13]. **-indices** [ER19b, Gag09, vEW08, vEW09]. **-means** [ZLL⁺18]. **-measures** [RLG14, RLG13]. **-page** [KK13]. **-related** [ZTG11]. **-score** [Lun07]. **-Sequence** [LY14]. **-tail** [zChHY13, KHC11a]. **-tails** [LRWY13]. **-type** [BI10, Egg08b, Egg10a, ER19a, ER21, SMP12, Smo21b]. **-year** [Cam15, DGDG13].

10 [KE17, Ron13, YAY⁺17]. **11** [BCGM17a, FM17b]. **12** [Lin18a]. **13** [HLB⁺21]. **145** [AORC12a].

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6 [Ron13]. **63** [AORC12b].

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9 [RGRE16].

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SYP⁺16, SHD15, SZ10, SLNC13, TMK16]. **analysis**
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analytics [SAB⁺16]. **analyze** [BTZY21, RFMC17]. **Analyzing**
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appropriate [WvE15]. **approximate** [dSSOH07]. **approximating** [vZ13].
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 [ZWBA21]. **assignment** [FN10, PCCN21]. **assistive** [SCMG16]. **associated**

[MdMALIV11]. **associations** [PC10]. **Assortative** [Pen15]. **astronomical** [HKA⁺09]. **attachment** [AHL12, IPS21, Pen15, WFC14]. **attack** [Jal11]. **Attention** [PPG⁺15, BD10a, CBT21, KW21, KK12, LR08, Yur17b, KK12]. **Attitudes** [MJ13]. **attractors** [GP11]. **attribute** [Let16]. **attributes** [BD07b]. **Audience** [Zit10]. **augmented** [SRP15]. **Australia** [Van12b]. **Australian** [But11, But17, Van11, Van12a, vdBHS17b]. **Author** [DGV18a, Ma12, MMOMLC18, NCJ15, YW15, ALW11, AOdFC12, BO12, BK08, BNbH17, CH14, DCG⁺19, DVG16, DGV19a, Eom08, FSZB15, HM21, HLB⁺19, HLB⁺21, HDY12, JSD14, JXYS21, KJS16, Kos12d, KK07, LF12, LHT18, LLH⁺21, Mil13, Per17a, RRKH17, RL18, Sch10a, SKK15, UK16, WJW⁺19, Wil16, YG14, YHWZ16, ZS08]. **author-** [YG14]. **author-entity** [JXYS21]. **Author-level** [MMOMLC18, Wil16]. **author-selected** [UK16]. **authored** [LF12, PRRC15, Sch08, Sch10b]. **authors** [ADR13, ACD14, AD15d, ADZ18, Bor19, BO19, BM10, BM16, BADFT11, CSdFCA17, DT13, Hag14b, HCS19, Kos12d, LWWL14, LZR15, LLH⁺21, RS10a, Ron18, San11a, San11b, San13b, San14, Smo21a, SDL16, TS16, VW16, JY21]. **Authorship** [ADD19a, AAH11, BAGADF15, DN17, IPS21, KMJ⁺19, LT13, Ort14, PHMSML17, Wal12, dMAGBLIM18]. **authorships** [AF17b]. **autism** [ZSWD17]. **automate** [SK21]. **automated** [PCCN21]. **Automatic** [MGLF09, BHH⁺07, The18c]. **Automating** [GWMP16]. **autopoiesis** [LAL09]. **autoregressive** [Cop19]. **Availability** [GMFGVZ16]. **Average** [HRC12, RNB18b]. **Average-based** [HRC12]. **averaged** [DGV19a]. **Averages** [Egg12a, LG11, Ant18, BM11a, HSB16, vZ13]. **avoidance** [BM11a]. **award** [FT17, Van12a]. **award-winning** [FT17, Van12a]. **awarded** [BLV10]. **awards** [DVG16]. **aware** [Fia12, ZWZZ21]. **axiom** [Woe08b]. **axiomatic** [BM11b, BM14, BM16, HM21, HCS19, Woe08a]. **Axiomatics** [Que11]. **axiomatisation** [Rou08]. **axiomatization** [Kon14]. **axiomatizations** [AK15]. **Axiomatizing** [Mir13].

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[YFYs18, YSPW09, ZLJ⁺10, ZWG⁺19, ZZ12, vdBHS17b, Ron12]. **baseline** [CA11]. **basic** [LR07, LY14, ZRY11]. **basics** [YAL21]. **basis** [SW12]. **battle** [CBT21]. **Bayesian** [BSdMAM16, Mal16, MBD17, MD18, PHANPP13]. **be** [ACD15, BLW13, BW17a, BHM21, Cla16, Gag13, OOB10, The19b, Vin13b]. **beauties** [HY21, LSZY14]. **become** [ES15]. **becoming** [MdMAGBLI21, Pet18]. **beginning** [BI08]. **behavior** [ADD19b, LLH⁺21, MKCM07, RBV07, Sch14a, WG10b, vEW09]. **behaviors** [ADM13a]. **behaviour** [MMOMLC18]. **behaviours** [DTG12]. **Beijing** [ZL11]. **benchmarking** [HHAL17]. **Benedetto** [FM17b]. **benefits** [AD18, BFS11, Bor14a]. **BERT** [XZDS21]. **besides** [BSMD12]. **Besselaar** [But17, Glä17, Lin18c, Mar17]. **Best** [The16d, BL12, BM15, SB13]. **better** [Bor13a, BRN19, CMN08, MdMALIV11, WvEW13, ZZ18]. **between** [ACD12a, AD15d, AL08, AW14, AZS⁺14, BSK10, BAGADF15, BMHD11, BADFT11, Bur13b, CCH12, Che17, CZG16, DGDGSPSV14, DGV19b, Egg13a, Fin13, Fra10a, GPNA13, Glä17, GSV⁺21, Hag15, wH16, JZY⁺18, LW09, LY19, MEG⁺16, OA10, Ort15, PRWvE16, PSZZ12, RL18, RP08, RY12b, Rou16, RGRE17, SLL⁺12, SYW18, SVTdFC11, TF15b, WWW10, WZ21a, ZH18, ZBK⁺21, dMAGBLIM18]. **between-field** [DGDGSPSV14]. **Betweenness** [AHL12]. **Bi** [ZYZ18]. **Bi-directional** [ZYZ18]. **Bias** [DGV19a, BMD08a, CCC⁺18, DGV19b, Hag14a, Hag14b, MD12, Pet21, RL18, SB13, VMWM17, WYLW21]. **biased** [LQLJ14, LQLJ15, SL15]. **Bibliographic** [Jar07a, NLK⁺21, BM21, CHHL11, FZDW15, Fia12, Jar07b, JLYM16, Ma12, NF12, PSG⁺21, SZR⁺19, SZ10, ZH18, ZY16]. **Bibliographically** [KCH21a]. **Bibliometric** [BM11b, CH14, Gag11, Per17a, Pet18, Ron18, Ada18, BMS⁺09, BD10b, BO12, BM13b, BLM13, BL13, BTZY21, BM10, BM14, BADFT11, CG11, CB07, CT16, Fra10a, FC11, FM11a, FMM14, FJW⁺15, Glä07, GWMP16, HTLC21, JZY⁺18, Kos13b, LP17, Lin18c, LHTW15, Mal10, MN15, MD18, MD19b, NLC17, Ort15, PYCH18, PRWvE16, RGMJC17, RGSM⁺19, SMP12, Sch14a, TWH08, VZMFAB19, VCG14, Vii16, WvEN10, WB16a, WB16b, YVW⁺13, ZWG⁺19]. **Bibliometrics** [GSV⁺21, Ley17a, BW13, BM13a, BL14, BM15, BM18, BHM21, CX16, Cla16, KRM14, Sch14c, SAP18, MMOMLC18]. **bibliometric** [AC17]. **Biblioranking** [ST19]. **BibSonomy** [ZDJ⁺16]. **bid** [RBV07]. **big** [PL13]. **bigger** [BP11]. **bilingual** [LQLJ14]. **binary** [CM14]. **Bing** [TS12]. **biographical** [RS16]. **biology** [Gol14, HR18, McC10]. **Biomedical** [MCKM08, Ke18, LYZ⁺17, STP17]. **biomedicine** [Ke21a]. **biotechnology** [HR18, RJDD08]. **bioventure** [GHvdB⁺14]. **bipartite** [CB19, JXYS21]. **Biplot** [DFCGB15]. **bird's** [YDCL13, Tan13]. **bird's-eye** [YDCL13]. **birth** [LHDH21]. **block** [HKK18]. **blog** [WBL12]. **blogosphere** [CLC11]. **Blogs** [LAT07]. **BMLR** [BSdMAM16]. **Board** [Ano15d, Ano16a, Ano16b, Ano16d, Ano17a, Ano17b, Ano17c, Ano17d, Ano07a, Ano07b, Ano07c, Ano07d, Ano08a, Ano08b, Ano08c, Ano08d, Ano09a, Ano09b, Ano09c, Ano09d, Ano10a, Ano10b, Ano10c, Ano10d, Ano11a, Ano11b, Ano11c, Ano11d, Ano12a, Ano12b, Ano12c, Ano12d,

Ano13a, Ano13b, Ano13c, Ano13d, Ano14a, Ano14b, Ano14c, Ano14d, Ano15a, Ano15b, Ano15c, Ano16c, Ano18a, Ano18b, Ano18c, Ano18d, Ano19a, Ano19b, Ano19c, Ano21a, Ano21b, Ano21c, Ano21d, Ano21e]. **boards** [BB11]. **body** [HCL13]. **Book** [Pet18, vL18, Chi16, Moe18, TSM09, TSRSRG⁺13, VE14, WLH19, ZZ21, TSRSRG⁺13]. **bookmarking** [HS11, PB16]. **books** [KT18]. **bootstrap** [CJW14]. **bootstrapped** [PYWH15]. **border** [HDC12]. **Bornmann** [Mut16, Nan16, Pet17, Pra13a, Rou19, Sch16, SM18]. **bottom** [LL15]. **bottom-up** [LL15]. **bound** [Hür15]. **BP** [RZLC21]. **BQ** [MD18]. **Brazilian** [DFFBR16, PSI⁺17]. **breadth** [ZZ21]. **BRICS** [WW15]. **Bridging** [BSW17]. **broad** [RCC18]. **broadening** [BM13a]. **broader** [Bor14a]. **bubble** [Pra13b, RGZSC13]. **Burgers** [JSSK14]. **business** [WYH17]. **Butler** [Glä17, Mar17, vdBHS17b]. **byline** [Hag13, Hag14b].

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Comparison [AAD21, AF15, KW21, Kos08, LSW⁺10, PSZZ12, PPFKB19, San13b, AD16a, ADZ18, AC09, BLW13, BL15, BH16c, CX16, DTG12, GSV⁺21, GW17, HLB⁺19, HLB⁺21, KK15, LRC13, LF21, MMOMTLC18, MRBI17, PRWvE16, PRRC17, QCVQdMA10, RC12a, RC14, SLB13, The17b, Vii17, WvE13, WZ14, XWZL21, YZ15, YXX⁺17]. **comparisons** [DGDGSPSV14, FT15a]. **competence** [YZF13]. **Competition** [LWB14, ZWZZ21]. **competition-aware** [ZWZZ21]. **competitive** [ACD12a, ADS16, HG14]. **competitor** [The18a]. **complementing** [BM13a]. **Complete** [Jar07b, The16d]. **Completing** [Die15]. **complex** [Jal11]. **complexity** [Don17, LBD⁺19]. **component** [Sma09, TMK16]. **composed** [Ort21]. **composite** [EGR18]. **comprehensive** [AC17, HHAA16]. **Compressing** [CH15]. **computation** [ACHVH09]. **computational** [CCH⁺09, MMY17]. **compute** [AD15b]. **Computer** [SSAGB11, BFM⁺18, LK17, Meh19, Tsa14]. **computing** [SZR⁺19]. **concentration** [Chi16, HCC12, MdMALIV11, YLZ18]. **concept** [LY19, SRP15, VY10]. **concept-matchedness** [LY19]. **Conceptual** [TB18a, Wal16a, RZ15, VZMFAB19]. **conceptualization** [Abr18]. **conceptualizations** [BS09, Sku09]. **conceptualized** [OOB10]. **Conceptualizing** [Gol14]. **Concerns** [But11]. **conclusions** [Egg08a]. **ConfAssist** [SCMG16]. **conference** [LK17, PCCN21, RBV07, RW10, SCMG16]. **conferences** [Meh19]. **Confidence** [The17a, TF17a]. **conflict** [PCCN21, SCMG16]. **confronted** [Vii16]. **Congress** [SDAJ17]. **congruent** [RGRE15, RGRE16]. **Conjugate** [Egg10b]. **Connecting** [YW17]. **connection** [FM14]. **connections** [BFM⁺18]. **Consensus** [NF12]. **consequences** [Egg08a, KG07]. **consider** [BP11, MD19b]. **consideration** [HTLC21, LY14]. **considerations** [AS17, WvEvL⁺11]. **considering** [WFC14]. **consistency** [Pra13c]. **Consistent** [BM10, XMLM21]. **constituting** [BM12]. **constraint** [HSB16]. **constructed** [RCW15, SA18]. **Constructing** [PRWvE16]. **Construction** [LBZ16]. **contemporaneous** [KHC18]. **contemporary** [GÁCC17]. **Content** [JSD14, KJS16, BL15, KPB09, MLCL21, PSYCH19, WZ21b]. **Content-**[KJS16]. **Content-based** [JSD14]. **Contents** [XMM14, ZZ21]. **context** [But17, EI10, KPB09]. **contexts** [LW11, STP17, Sma18]. **contextual** [Moe10b, Sch13a]. **continuity** [Yan14]. **continuous** [AL08, Egg10b, Sku09]. **contribute** [Cam15]. **contributing** [VTPF15]. **contribution** [CSdFCA17, Dan16, DVG16, LF12]. **contributions** [KHC13, RRRKH17, SRZ19]. **Contributory** [Hag15]. **convergence** [DLGT19, PY18]. **Convergent** [BD07a, BMS⁺09, BHA19]. **Convexity** [SFCK19]. **cooperation** [FZDW15, WWW10]. **cooperative** [IST10]. **coordinates** [ER21, Smo21b]. **Coping** [MÉVQR21]. **copy** [Bur08, EP07]. **copying** [PSG⁺21]. **Core** [LBSA13, McC10, TB18a, Bur07b, CAHVH10, Cam14, zChHY13, FCAD21, Jar07a, KHC11a, LW08, MD12, OOB10, Még18]. **Core-periphery** [LBSA13]. **core/periphery** [OOB10]. **cores** [Jar07b, LRWY13]. **corporate** [CT16, ZYCK12]. **corporation** [CCH12].

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corresponding [dMAGBLIM18]. **Corrigendum** [AORC12a, AORC12b, HLB⁺21, RGRE16, Ron13]. **cost** [MRR13]. **Could** [TN18]. **Council** [Van11]. **Count** [BD16, AF15, BHM18, BHM19, HM21, JZ21, LHC13, MBD17, The16c].
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countries [CG10, Hag15, KE17, San13a, The18b, YAY⁺16, YAY⁺17].
countries/territories [KE17, YAY⁺16, YAY⁺17]. **Country** [GNBVQ⁺14, AD18, BGR21, BSdMAM14, LBSA13, LHDH21, OA13, PSA21, YG14].
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Coverage [LIdMAM08, RGMJC17, AN18, Egg14, Laf07, LA15, NO07, Rou14a, ZSWD17].
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cross- [ZL11]. **cross-border** [HDC12]. **cross-country** [LBSA13].
cross-disciplinary [MLCL21, SLNC13]. **cross-domain** [CM14]. **Cross-field** [KHC13, SDL16]. **Crown** [LO11, GL11, Lun07, Moe10a, Smo16, WvEvL⁺11, vRvLV⁺10].
crown-citation [Lun07]. **CSIC** [OLRF11, Ort15]. **CSNCR** [BH16a]. **cubes** [CM14]. **cue** [CSH18]. **cues** [CBT21]. **cumulative** [FHH09, LY14]. **Current** [PW19]. **curve** [BSK10, BBL19, GP12, Sar08]. **curves** [Egg10b, LBB17, SGDSP10]. **CV** [PSI⁺17]. **CWTS** [FHH17, LO11, Moe10a, OL10]. **cycle** [LHWS18, Ort18].
D'Angelo [Zit16, GTD16]. **danger** [Spa10]. **Danish** [BRA19, FJW⁺15].

Data [DS21, BRA19, BMS⁺09, BLWSE11, BdMA11, BO12, BLM13, BL13, Bor14c, BH15, BW17a, BL17, BHM18, BH18, BHA19, BHM19, BTZY21, CCL16, Cop19, DGV18b, FHH17, HMBI17, HS11, KD15, KK12, LL15, LBSA13, LR12, LSW⁺10, MAS14, MBD17, MD19b, NLC17, PL13, QCVQdMA10, RS16, RGSM⁺19, Sch16, SW12, SKY⁺19, TW14b, The16d, The16a, The16f, VY13, XLLZ14, XMLM21, YKKS16, YDWC08, YSPW09, ZWM17, ZY16, dSSOH07, PW19]. **database** [ED15, FMM16a, GP11, KP13, Ma12, Mal10, PSI⁺17, WHL17, YDS⁺15].

databases [BILL07, DS21, FZDW15, FMM14, SSAGB11, SZ10, VZMFAB16, YDWC08].

DataCite [RGMJC17]. **datasets** [PC10, ZWBA21]. **date** [BLW14]. **DEA** [KE17, YAY⁺17, ACD11b, XIYcG18, XIYcG21, YAY⁺16, lYFyS18].

DEA-based [XIYcG21]. **dead** [The16e]. **debate** [Mar17, PT08]. **decades** [PVH21]. **decay** [ADD21a, PPG⁺15]. **decayed** [KK13]. **decision** [Pet21].

decisions [BD07a, BD09, BD10a, BFM⁺18, VCG14, vdBS15].

Decomposing [PL13, WYLL18]. **deep** [AA19, ZLL⁺18]. **Defining** [HY21].

Definition [HLR17, HRC11a, Sar08]. **Definitions** [LR08]. **Degree** [ZRY11, LY12, ZY12]. **delay** [BS13]. **delayed** [DLH⁺21, LL14, MSPD16].

delimit [SZ10, The17a]. **delineating** [MEVQR21]. **demographics** [WHL17].

density [BW11, GNZ⁺19, SGGMF18]. **departments** [BC16, CA11, TF17b, Tol08]. **depend** [Csa21]. **dependence** [MR13, VG10a].

Dependency [YDCL13]. **dependent** [Ant18, HW14, Sch13d]. **depth** [ZZ21].

derivation [Egg09, WvE09]. **derive** [Sch13e]. **Deriving** [AKML18].

describe [KBCR10]. **descriptors** [KHC11b]. **detail** [But11]. **detect** [BMD08a]. **Detecting** [GW17, PTV17, YDS⁺15, CLHHVH11, YYW14].

detection [BW11, CB19, CH15, Din11a, GNBVQ⁺14, XHA⁺21, YKKS16].

determinants [ADM17]. **determine** [BBL19, BSMD12]. **determined** [KHC13]. **develop** [CGF⁺19]. **developed** [BLW13]. **developing** [Wu13].

Development [WYX⁺12, CMN08, CT16, IST10, PCPG17, Ser10, WG12].

developmental [McC10]. **developments** [KHC18, dNL15]. **devil** [But11].

diagrams [FM10a]. **differ** [GAB11]. **difference** [BK14, Fra10a, ZY21].

Differences [HZW19, OA10, ADM13b, AN18, BGGB13, BMD07, BW13, FJW⁺15, Luo21, MJB11, TBTB19, YZ18]. **Different** [BLV10, AD15a, ACHVH09, BMHD11, CT16, Fin14, FN10, GM12, LRC13, PSZZ12, San13b, San14, SSAGB11, TW14b, WvE13]. **Differing** [Chi16].

difficulties [Wal16a, Hic17]. **Diffusion** [TD10, ADD21b, Gol14, KBCR10, LP09, LRG13, MSL⁺14, NPS13, PSYCH18, RLY12, WZ18, WBL12, WYH17, XLLZ14, ZTG11]. **digit** [Hür15]. **digital** [GMFGVZ16, MGLF09]. **dimension** [WZ18, YW17]. **dimensional** [AL17].

dimensions [Ort21, The18a]. **direct** [Per10c, YW15]. **directed** [ZYZ18, ZY12]. **directional** [DBS15, lYRyYbL14, ZYZ18]. **disadvantage** [Ke21b]. **disadvantages** [Bor14a]. **Disaggregated** [Vii17]. **disagree** [Mar17]. **disagreements** [Ley17b]. **disambiguation** [Mil13, SKK15].

disaster [Mag12]. **disciples** [ALW11]. **Disciplinary**

[WYH17, ADZ18, BDR14, Chi16, MLCL21, SLNC13, TS16]. **discipline** [ADS17, ADD21a, BH16c, Kos15, KTA18, QLS21, SCBB11, TF15b, WZ14]. **discipline-level** [ADD21a]. **disciplines** [AN18, FN10, HZW19, KBCR10, SGGMF18, San14, Wal14, WZ14, Wu15]. **discometrics** [Sch12]. **Discoverers** [SKY⁺19]. **discoveries** [STP17]. **Discovering** [STP17, SHD15]. **Discovery** [CFK21, BKK09, CCH⁺09, KPB09, LDS18, PY18]. **Discrete** [Sku09, Egg10b]. **discretised** [The16d, The16a, The16b]. **discriminative** [ZWDS21]. **discursive** [Ley17b, LAL09]. **discuss** [HLB⁺19, HLB⁺21]. **discussants** [WB16b]. **discussed** [YXX⁺17]. **discussion** [RYY10]. **disjoined** [Mir13]. **disparity** [Kos15]. **dispersion** [ACD12a]. **dispute** [Glä17]. **dissatisfaction** [GFGALG21]. **dissertations** [KT19]. **distance** [BADFT11, DBS15, JZY⁺18, RGRE17]. **distant** [NFH13]. **distinction** [KMS21]. **distinguished** [ACD15]. **distributed** [BHCH17]. **Distribution** [AL17, Brz14, Cam14, Cam15, DLGC13, DS21, Egg09, HW14, KSS16, KK07, MKCM07, PSZZ12, San13b, SPT12, SYW18, VG10a, Vii18, WvE09, YXX18]. **Distributions** [San14, TW14a, Wu15, ADS17, AORC11b, AORC12b, BL17, DR19, GS10, HCL13, Hür15, MD12, Per10b, RCC18, San13a, The16c, The16d, The16a, The16b, WLG09, Wu13]. **diverse** [CTGM15]. **diversified** [ADD19a]. **Diversity** [LR11, LWB19a, AJ13, ADZ18, HDT⁺13, LWB19b, Rou19]. **Do** [Bor14a, BHA19, BTZY21, Che17, CGF⁺19, CPM⁺07, FSZB15, GAB11, LYZ⁺17, NFH13, The18b, Wal14, Wal17a, WXP⁺12, Yur17b, vdBHS17a, GTD16, LLH⁺21, RC12b]. **Document** [AC09, DT13, The18c, XMM14]. **Document-document** [AC09]. **documented** [Vii18]. **documents** [Bor19, Bur08, EP07, Fra09, Jar07a, MMOMHLC17, ZH18, ZLR16]. **Does** [AD17a, AD17c, ADD21a, BL15, Bor19, HLB⁺19, HLB⁺21, Ley13a, Tan13, Web17, YLZ18, ZLL⁺18, BK14, KMJ⁺19, WWML14, vdBS18]. **dog** [Bur13a]. **DOIs** [GMFGVZ16, HL19]. **domain** [BNbH17, CM14, CX16, CTDM17, Sku09, WZ21b]. **domains** [QCVQdMA10, RC12a]. **domestic** [KP13, MEG⁺16, PSA21]. **doors** [Zit16]. **Double** [RNB18a, BRN18]. **downloads** [Kak16]. **dressed** [SB13]. **driven** [LDS18]. **driver** [AHL12]. **Drivers** [DFFBR16]. **drives** [FHH17]. **drug** [JHK⁺16, JXYS21, LDS18, SX21]. **drug-research** [JHK⁺16]. **duplex** [ZY21]. **duplicate** [VZAMMFAB15]. **durability** [Ono16]. **Durfee** [Egg10b]. **during** [FH13, GGSG10, HMU13]. **dyadic** [Tu21]. **dye** [WHW⁺14]. **dye-sensitized** [WHW⁺14]. **dynamic** [AF17a, zChHY13, FC17, LDS⁺12, PTV17, XIYcG18, YDMS12, ZW21]. **dynamics** [GZRMLSC18, HGJZ17, HMU13, JSSK14, LJM13, LAL09, MEG⁺16, RWL12, San15, Vas09, WLH11, Yan14, dNL15].

e-Research [MS09]. **each** [The19b]. **Early** [WRA⁺21, vdBS15, ADF19, DLH⁺21, KTA18, LT13, Lin18a, Lin18b, MN15]. **Early-stage** [WRA⁺21, MN15]. **easily** [HL19]. **Easter** [Sir12]. **Eastern** [Cso21]. **Eck** [RC14]. **economic** [DCM21, GGSG10, SW14]. **Economics**

[TSM09, BW14, CySIY18, Fra09, OG13, Tol08, WLLL18]. **economies** [DBS15, WG10b, WG12]. **economists** [LYZ⁺17, SW12, Tol13b]. **editing** [WJW⁺19]. **Edition** [BMS⁺09, BD09, BD10a]. **editor** [Pet21, Egg15, Wal15]. **Editor-in-Chief** [Egg15, Wal15]. **Editorial** [Ano08d, Ano15d, Ano16a, Ano16b, Ano16d, Ano17a, Ano17b, Ano17c, Ano17d, BB11, BD09, BD10a, BFM⁺18, Ano07a, Ano07b, Ano07c, Ano07d, Ano08a, Ano08b, Ano08c, Ano09a, Ano09b, Ano09c, Ano09d, Ano10a, Ano10b, Ano10c, Ano10d, Ano11a, Ano11b, Ano11c, Ano11d, Ano12a, Ano12b, Ano12c, Ano12d, Ano13a, Ano13b, Ano13c, Ano13d, Ano14a, Ano14b, Ano14c, Ano14d, Ano15a, Ano15b, Ano15c, Ano16c, Ano18a, Ano18b, Ano18c, Ano18d, Ano19a, Ano19b, Ano19c, Ano21a, Ano21b, Ano21c, Ano21d, Ano21e]. **editorship** [WLLL18, XWZL21]. **educated** [Yur17a]. **Education** [BGR21, LTH18, ACD12a, LBSA13, SLL⁺12, VL16]. **educational** [AZS⁺14]. **Effect** [AS21, Don18, WWW10, ADD21a, BSdMAM14, FC10, Hag14b, Hic17, JXYS21, KD15, MdMAGBLI21, PSA21, SB11, SB13, vV19, BW14, Tol13b, Wan14]. **effectiveness** [ADR16]. **Effects** [BD07b, AS17, AAH11, AOdFC12, BW13, BAL18, BFM⁺18, CA11, Cop19, Fra09, HCZ21, Let16, Mag12, ZYCK12, vdBHS17b]. **Efficiency** [BH16b, DBS15, M^êg14, PMAT13, GTD16, LS14, OG13, XIYcG18, MBD17]. **efficient** [RNB18b]. **effort** [LA15, AL08]. **Egghe** [Bur08, Pet18, Que11, AK15, Rou14a, Rou14b, WvE09, Woe08a]. **eggs** [Sir12]. **Ego** [Ort14, RZ15]. **elements** [TB18a]. **elephant** [WvEVW16]. **elite** [Yur17a]. **Elo** [LW17]. **Elsevier** [Pet18, Ley13b]. **Elsevier/Chandos** [Pet18]. **elsewhere** [BMS⁺09]. **embedding** [AS21, ZLL⁺18]. **embeddings** [XZDS21]. **emergence** [GW17, Sma09]. **Emerging** [LJM13, XHA⁺21, CG11, Gol14, McC10, MN15, MÉVQR21, PL13, WG12, DG21]. **Empirical** [AORC11a, AORC12a, Brz14, FMM16a, LY14, WLH11, And17, AS21, BW13, BLW13, BW17a, BL17, BH18, BHA19, BHM21, CG10, CFvL19, Eom08, Fin14, FM11a, GG19, GFGALG21, HSMB18, HW14, KdBOK15a, LAT07, LG11, RL18, Wal12, WvE13, WCG21, WLLL18, ZZL⁺21]. **endorsement** [Din11b]. **Energetics** [Pra13b]. **engagement** [DMS18]. **engineering** [CRS14, CRS15, LK17]. **English** [LQLJ14]. **enhance** [BMD10]. **enhancing** [Tu21]. **entire** [PS13]. **entities** [DGV18b, PYWH15, WZ21b, YZ15]. **entity** [JXYS21]. **Entropy** [AL08]. **envelopment** [LL15]. **environmental** [Van13]. **enzymes** [HR18]. **epidemic** [KBCR10]. **epistemic** [HRL12]. **epistemological** [Glä17]. **eponyms** [VZMFAB19]. **Equal** [Kar14]. **equality** [Yur16]. **equalizing** [Hag14a, Hag14b]. **equation** [LYYY09]. **equivalent** [CSH18, Kar14]. **ERA** [Van12a]. **eras** [NLK⁺21]. **Erratum** [Lin18a]. **Error** [Jal11, TLD⁺21]. **errors** [BD07a, BD09, FMM16a, FMM16b, MCD16]. **errors/horrors** [FMM16b, MCD16]. **ESI's** [HTX⁺18]. **essential** [ZYCK12]. **estimate** [DS21]. **Estimating** [CJW14, KSS16, WBL12, GG19, Mag12]. **estimation** [Bur08, CJF⁺15, EP07, IPS21]. **ethics** [OOB10]. **EU** [RNB18b]. **Euclidean** [And17]. **Eugene** [DKK⁺17, Sma17]. **Europe** [APF09, Cso21]. **European** [BSW17, BHCH17, DBS15, LTH18, LWB14, SLL⁺12].

Europeans [RNB18b]. **evaluate** [DGV18b, HS11, PRCRVQ⁺09, WZ21b].
Evaluating [AD15a, BGR21, BRN19, Dan16, DVG16, EGR18, KS16, KP13, LK17, XIYcG21]. **evaluation** [ADD19b, BLV10, BH15, CAHVH10, CRS15, Cso21, DGV18a, FM11b, GNZ⁺19, HMBI17, KK19, Kos11, KG07, KTR10, KHC13, LRCRC13, LYYY09, Mar16, MRR13, MGLF09, NJFD14, Per17a, RGRE15, RGRE16, RYY10, SV18, SC21, SPZ⁺11, TW14b, The17c, Van11, Vii16, Vii17, Vin14, XMLM21, YSPW09, ZL11]. **evaluations** [Bor13b, OL10, Sch14a, Sch14b]. **evaluative** [BM13b, BW13, BM13a, BHM21, WvEVW16]. **events** [Mag13, PTA07].
evergreens [ZWM17]. **Everyone** [vL18]. **Everything** [KK12]. **Evidence** [AD15d, CBT21, KKK17, MMCvLLC18, Tan13, TS16, Che17, DLH⁺21, Glä10, LAT07, LHTW15, SW14, YXX18]. **evidence-based** [Glä10].
Evidences [LQLJ14, NLK⁺21]. **Evolution** [CFK21, AHL12, BDR14, CTDM17, CLHHVH11, Egg07a, Fin14, Gol14, HKK18, HR18, JKHS21, JLYM16, JY21, Ke21a, KD15, QLS21, SDL16, WW15]. **evolutionary** [Egg07a, McC10]. **evolving** [PSG⁺21]. **examination** [HHAA16, JZY⁺18, LCY19, LY19, RL18, YZ18]. **examined** [VY13].
Examining [AN18, JXYS21, PYCH18, ZY17, ALW11]. **Example** [SD11, AL17, BP11, BW13, Per10b]. **Examples** [Egg08a, Sch14a].
Excellence [BSdMAM16, BHCH17, BLWSE11, BHA19, HHAL17, KKK17, Lin18a, Lin18b, Lin18c, BdMAL12]. **excellence-based** [KKK17]. **excellent** [SB11, Tol13a]. **Except** [KK12]. **exchanges** [LAL09]. **exemplified** [BMD08a]. **exercise** [AD17b, BCGM17a, BCGM17b, DLM⁺19, FC11, FM17a, FM17b, KK19].
exercises [ADD19b]. **exhaustivity** [ALW11]. **exist** [HL19]. **Expanded** [CH14, FH13]. **Expected** [Smo16, GW17]. **experience** [HJ15].
Experimental [AC09, Fin13, The16f]. **Expert** [SKLR16, AW14, HHAA16, LSW⁺10, SK21, SD11]. **Expert-based** [SKLR16, AW14, SK21]. **expertise** [RGRE15, RGRE16]. **experts** [BM15].
explain [TBTB19]. **explains** [Vii18]. **explanatory** [CCH⁺09]. **exploration** [BNbH17]. **explorative** [HLB⁺19, HLB⁺21, LHT18]. **Exploratory** [SMP12, CTDM17, KTA18, TSM09, YDMS12]. **explore** [DFCGB15, HR18].
Exploring [CT16, DHLW17, JKHS21, McC10, SKK15, WXP⁺12, WPZ⁺13, WJW⁺19, WLH19, ZYCK12, ZY12, HZW19]. **exponential** [Laf07, LA15].
exported [ZDJ⁺16]. **Exposing** [RS10b]. **exposure** [SB11]. **expressed** [RA15]. **extension** [GP12]. **Extent** [BD07a, BD09, Mil15, TS16]. **external** [BD07b]. **extraction** [ZLL⁺18]. **extreme** [Vii16]. **eye** [YDCL13]. **eyes** [TSRFAM19].

F1000 [BL13, BH15]. **F1000Prime** [Bor14c, BTZY21]. **faces** [RGSM⁺19].
facilitate [DHLW17]. **factor** [ACD12b, AD15d, ADF19, BW17a, BW17b, Bor19, BRN19, Brz14, Bur13b, CJW14, DGDG13, DGDGSPSV14, Egg09, Egg13a, HY08, HHC14, MKCM07, MD12, PHANPP13, Pet17, RXL15, San13a, SPT12, SMP12, SW14, WvE08, WvE09, WWW10, Fin13, Zit10].

Factors [BM11b, SLL⁺12, Van13, BSMD12, BL15, Cam15, DT13, Fra10b, JZY⁺18, MD12, Rou16, SSAGB11, TF15a, VTPF15, Ant18, SYW18].
faculty [ZY17, ZZN19]. **failure** [Moe18, Wou18]. **fair** [Gag13, Sir12].
fairness [RC12a, Sir12]. **fame** [WHLT18]. **familiar** [SB11]. **Family** [Kos13b, BH18, Hür15, Sch10c]. **Family-tree** [Kos13b]. **far** [WWML14].
Farewell [Zit16, AD16b, AD16c, GTD16]. **feather** [Tan13]. **feature** [AOdFC12]. **Features** [CFK21, ED15, BGGB13, HY21, HTLC21, KPB09, VG10a]. **fee** [DCM21].
fee-charging [DCM21]. **feeds** [LAT07]. **fellowship** [BD07b]. **female** [KdBOK15b]. **females** [The18b]. **Ferrers** [Egg10b, FM10a]. **Field** [Ron12, Ron13, RCW15, WvE15, ACD11b, ADM13a, ADS17, AD21, BMS⁺09, BM11a, BM18, BHM21, CMN08, CTDM17, CLHHVH11, CA11, DFCGB15, DGDGSPSV14, FZDW15, FM14, GAB11, HRC12, Jar07b, KSS16, KHC13, LO10, LRCRC13, McC10, MCKM08, MD19b, OL10, PPFKB19, RYY10, RCC18, SD11, SDL16, TS16, TF17a, The17c, Wu13, WLLL18, YDMS12, PPFKB19]. **field-adjusted** [KSS16]. **field-independent** [PPFKB19, Wu13]. **field-normalization** [BM11a]. **Field-normalized** [RCW15, WvE15, BM18, BHM21]. **field-standardized** [ACD11b].
Field-Weighted [PPFKB19]. **fields** [AD14, ACHVH09, BAGADF15, Fin14, Gol14, HGJZ17, JKHS21, Let16, MÉVQR21, Per10b, RCC18, San11b, SYP⁺16, SROdFC13, SZ10, SDL16, YDCL13]. **fight** [Glä17]. **final** [VCG14].
Finding [CXMR07, PT08, Sir12, ZLR16, CSH18, LWWL14]. **Findings** [PVH21]. **fine** [HHAL17]. **fine-grained** [HHAL17]. **Finnish** [SK21]. **First** [SB13, Eom08, FC11, Hür15, LT13, ZS08, EBG11]. **first-author** [ZS08].
First-Citation-Speed-Index [EBG11]. **fitness** [CLR⁺17]. **Five** [Egg12b, AC09, AN18, BLW13, The18b]. **flipping** [BRN19]. **flock** [Tan13].
flow [DHLW17, MLCL21, PY18]. **flows** [ADC19]. **fluidness** [WH15].
focused [ACHVH09, BSdMAM14]. **force** [CJF⁺15]. **Forecasting** [JSSK14].
foreign [Yur17a]. **foreign-educated** [Yur17a]. **forest** [Van12a]. **forestry** [PMAT13, Van08]. **form** [LRG13]. **formal** [RY12b]. **formation** [Abb16, LW08, NF12]. **formed** [YZ18]. **formula** [BBL15]. **formulae** [The17c]. **formulas** [PHANPP13]. **Forward** [JZ21, GBMA12, HRC11a, JKHS21]. **found** [KK13]. **Four** [HTX⁺18, BFM⁺18, LG11]. **fractal** [ADS17]. **Fractional** [LO10, ZL11, BM16, HCS19, LP17, MD19b, PWY21, PRRC15, PRWvE16, RC12a, SRZ19].
fractionalised [ASG12]. **fractionally** [Sch10a]. **framework** [BHA19, KPB09, LRG13, RZ15, SCMG16]. **Framing** [SL12]. **Franca** [YXX18]. **Franceschini** [BCGM17a, MCD16, AD17b]. **free** [Moe18].
frequencies [CM14, KK07, Sch14b]. **frequency** [Khr09]. **frequently** [LWB14]. **Front** [Ano14a, Ano14b, Ano14c, Ano14d, Ano15d, Ano15a, Ano15b, Ano15c, Ano16a, Ano16b, Ano16c, Ano16d, Ano17a, Ano17b, Ano17c, Ano17d, BM12, Jar07a].
frontier [MBD17, OG13]. **frontiers** [KE17, MBD17, YAY⁺16, YAY⁺17].
FSS [AD16a]. **fuel** [HYC15]. **fulfilling** [LY19]. **Full**

[LP17, PYWH15, PYCH19, PRWvE16, WZ21b]. **full-text**
 [PYWH15, PYCH19, WZ21b]. **function** [ACD11a, Laf07, San14]. **functional**
 [Egg13a, ZWM17]. **functionality** [WG12]. **functions**
 [ER19b, IPS21, San13b, dSSOH07, dIP11]. **fundamental** [ST19].
fundamentals [CZG16]. **funded** [ETGS21, LY19, MBD17]. **Funding**
 [SV18, AS17, DLGT19, GHS21, KKK17, LW09, VS13, Wal17b, Wu15,
 WYLL18, YVW⁺13, YLZ18, vdBHS17b]. **Funnel** [ADG15, ADG16].
Further [AK15, BM11a, FGMM12, GBMA12, Mut16]. **future**
 [GHS21, RNB18b, YW17, ZW21]. **Fuzzy** [CLHHVH11]. **FWCI** [PPFKB19].

G [KE17, YAY⁺17]. **G.-I** [KE17, YAY⁺17]. **Game** [BGS21, Mèg18]. **gap**
 [Hag15, JS14]. **Garfield** [Sma17]. **Gatekeepers** [BD07b]. **Gazing**
 [SGKM16]. **gems** [CXMR07]. **Gender**
 [ADM13b, BMD07, FJW⁺15, Kos15, LHDH21, MJB11, Nie17, TBTB19,
 TBM⁺19, WYLW21, ACD15, AN18, AF17b, BMD08a, GÁCC17, RA15].
genders [HZW19, ZZL⁺21]. **gene** [WJW⁺19]. **Genealogical**
 [CFK21, RFMC17]. **genealogy** [RDF⁺18]. **General**
 [Egg07a, RZ15, Sar08, SGDSP10]. **generalised** [BBL19, GS10].
generalizations [vEW09]. **Generalized**
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Generalizing [Ng17, vEW08]. **generally** [KP13]. **generated** [HSMB18].
Generating [PTA07, LR12, SGDSP10]. **Generation**
 [JLYM16, BM15, Kos10a]. **generations** [HRC11a]. **generative** [Pen15].
Geographic [LW10, ADD21a, HZW19]. **Geographical**
 [MAS14, AJ13, ADD21b, CT16]. **geography** [BW11, BLWSE11].
Geometric [TF15a, AL17, PS13, TS16, The16f, XOL16]. **geotemporal**
 [WHL17]. **Germany** [BAL18]. **ghost** [Smo21a]. **giant** [Sma09]. **giants**
 [ADX⁺17, ZZN19]. **Gini** [LWB19b]. **GIS** [TWH08]. **glass** [BH16b]. **Global**
 [TWH08, YXX⁺17, CT16, GHP21, HHAL17, HRL12, LR12, LHTW15,
 PCPG17, SL12, WPZ⁺13, RW10]. **Globalisation** [WTvE11]. **Globalised**
 [DGV19a]. **Globalization** [HDC12]. **gold** [ED15]. **golden** [NLK⁺21]. **good**
 [VCG14]. **Goodreads** [WLH19]. **Google**
 [AN18, BMS⁺09, CXMR07, HMBI17, KT19, MMOMHLC17, MMCvLLC18,
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 [DFFBR16, LL15, Mèg14, Mèg18]. **government-restructuring** [DFFBR16].
GP [KPB09]. **GP-adaptive** [KPB09]. **grade** [KE17, YAY⁺16, YAY⁺17].
Graduates [FJW⁺15]. **graduating** [HZW19]. **grained** [HHAL17]. **gram**
 [Khr09]. **Grand** [LW17]. **Grant**
 [BGS21, BMD07, BMD08b, DK21, MJB11, vdB15]. **grants** [LY19, vdB15].
Granularity [SA18]. **Graph** [QCVQdMA10, CB19, XOL16, ZY16].
Graph-based [QCVQdMA10]. **graphene** [NLK⁺21, YHS18]. **Graphs**
 [CFK21, Egg10b, GNZ⁺19, Jar07b, RDF⁺18, ZY16]. **great** [WHLT18].
greater [CPM⁺07]. **greedy** [PCCN21]. **group**
 [LW08, Moe10a, RL18, WYLL18]. **groups**

[FM11b, PSZZ12, RGRE15, RGRE16]. **growing** [GHP21]. **Growth** [Per10a, RS10a, WG10b, HGJZ17, LHTW15, LW10, San11a, San11b, San15, SLB13, VTPF15, VL16, WLH11]. **guarantor** [SJGBMA17]. **Guide** [Pet18]. **Guns** [Pet18].

H. [DKK+17]. **Habibzadeh** [WvE08]. **Haenszel** [Smo19]. **hand** [DCG+19]. **handbooks** [MSL+14]. **hapaxes** [FCAD21]. **happens** [But17]. **Harmonic** [Hag13]. **hashtags** [HLB+19, HLB+21]. **Haunschild** [SM18]. **Hawkes** [JWL17]. **headings** [The19a, SDAJ17]. **health** [FJW+15]. **heartbeat** [LSZY14]. **Helix** [Mêg14, Mêg18]. **help** [DT13, KT18, KT19, ZLL+18]. **Herrero** [AHRCV17]. **Heterogeneity** [HLR17]. **heterogeneous** [AS21, JLYM16, XIYcG21]. **Hidden** [BFM+18, RS16, Sir12]. **Hierarchical** [DKK+17, QLS21]. **hierarchy** [Hag13, Hag14b]. **High** [AORC11a, AORC12a, AORC11b, AORC12b, GÁCC17, TBM+19]. **High-** [AORC11a, AORC12a]. **high-impact** [AORC11b, AORC12b, GÁCC17]. **Higher** [LTH18, ACD12a, LBSA13, SLL+12, The18b, VL16, Wal14, BGR21]. **higher-impact** [Wal14]. **highest** [DT13]. **highly** [ACD14, AD15c, BL12, HTX+18, HTLC21, MMOMHLC17, Ron12, Ron13, Sch13c, Sma18, SZ10, TF15a, WYX+12]. **highly-cited** [AD15c, HTLC21, MMOMHLC17]. **highly-cited-publications** [Sch13c]. **hiring** [ZY17, ZZN19]. **Hirsch** [Bur07a, Bur07b, CAHVH10, Egg13b, FCAD21, FM10b, GS10, Kon14, Kos09, Kos10a, Kos10b, Mir13, Que09, Que11, Rou07, Sch10c, SMP12, Sch13d, Sch15, SG07, Vii16, Vin13b]. **Hirsch-index** [Egg13b, Vin13b]. **Hirsch-type** [GS10, Kos09, Kos10a, Kos10b, SG07, Vii16]. **HistCite** [BM12, Gar09]. **histories** [CF16]. **history** [Gar09]. **HIV** [RYY10]. **hoc** [ZY21]. **hooked** [The16d, The16a, The16b]. **horrors** [FMM16b, MCD16]. **Horse** [DCM21]. **hot** [BW11]. **HTTP** [KK13]. **human** [RS16]. **humanities** [DG21, TSM09, VW16, TSRFAM19, VE14]. **hurt** [Ley13a]. **Hybrid** [LB16, PRCRVQ+09, ZSH+16]. **hypothesis** [MJB11].

I3 [Ley12, RY12b]. **idea** [Kos11]. **ideal** [Bor10, BM11a]. **idealist** [Sma17]. **identifiable** [HL19]. **Identification** [HTLC21, MMZ16, SA18, BSdMAM16, Jar07b, MN15]. **identifiers** [GMFGVZ16]. **identify** [MMOMHLC17, WZ21b]. **Identifying** [AAH11, CHHL11, Per10c, STP17, Tol13a, YZ15, ZWZZ21, FCAD21, Hic17, HY21]. **identities** [YXXW19]. **IDR** [WRB+11]. **IEEE** [FM14]. **IFC** [Ano07d, Ano08d]. **ignoring** [KCH21b]. **II** [BD07a, BD09, KdBOK15b]. **illegal** [HL19]. **illuminating** [CHHL11]. **imaginarium** [Sch16]. **imbalance** [AS21, AF17b]. **iMetrics** [LBMM14]. **Impact** [BGGB13, BM11b, DGDG13, Egg14, Fin13, KTR10, PPFKB19, Rou14a, dlP11, AJ13, ACD11a, ACD13a, AD15d, Abr18, ADF19, AORC11a, AORC11b, AORC12a, AORC12b, AHRCV17, BRA19, BP11, BW13, Bor13b, BLW13, Bor14a, BLW14, Bor14c, BM15, BH16a, BH16c, BW17a, BL17,

BW17b, BHA19, Bor19, BRN19, Brz14, Bur13b, BvR11, CAHVH10, Cam15, CCL16, CM14, CG10, CJW14, CA11, CH15, CPM⁺07, DG21, DN17, DT13, Don18, DGDGSPSV14, DS21, DVG16, DGV19b, Egg09, Egg13a, EI10, FT15a, FT15b, FT17, FC10, Gag11, Gag13, GTD16, GAB11, GÁCC17, GYZ17, HY08, HB16, HHC14, JWL17, JZ21, KRM13, KFM⁺15, Ke18, KTA18, KT18, KCH21b, LBB17, Ley12, LY18, LCY19, LidMAM08, LBD⁺19, LHC14, MAS14, MKCM07, Moe10a, Moe10b, MD12, Nie17, NFH13]. **impact** [Ort14, Ort18, Ort21, PYWH15, PHANPP13, Pet17, PS13, RWB17, RWL12, RXL15, Rou16, RCW15, San13a, SPT12, SW14, SD11, SB11, SSAGB11, SLW15, TF15a, TS16, The18b, Tsa14, UK16, VG10b, Vin12, Wal14, Wal17a, WvE08, WvE09, WvE13, WvEvLV13, WvE15, Wal16b, WWW10, WLH19, WZ21a, Woe08b, WLLL18, ZZ12, Zit10, dMAGBLIM18, Ant18, SYW18].

impacts [KT19, LYF17]. **Implications** [Sku09, DLGC13, DCG⁺19, KHC18, PW19, Van12a]. **importance** [ADR13, Lin18a, Lin18b, Sch13a]. **important** [ACD12b, ES15, PYZ19]. **importing** [BO12]. **improve** [BLW14, Sch14b]. **improved** [YHS18].

improvements [BL12]. **Improving** [CLR⁺17, SRP15, WZ21a, BNbH17, PMAT13]. **in-group** [RL18]. **in-press** [KTA18]. **in-text** [BvECW18, PWY21]. **InCites** [BL13]. **Including** [BK14, BLW13]. **inclusion** [TMK16]. **increase** [Vin13b]. **Increasing** [HYC15, Vin13b]. **increment** [Rou14b]. **increments** [Egg13b].

Independent [FH13, AD16b, AD16c, GG09, GSG10, GTD16, Kos09, PPFKB19, Wal16c, Wu13, XIYcG21, Zit16]. **Index** [ACHVH09, CH14, FH13, NMNJM13, AK15, AOfFC12, And17, BBMP12, BBL15, BGS19, BD07a, BD10b, BMD10, BMHD11, BM12, Bor13a, BADFT11, Bur07a, Bur07b, Bur13a, CMMT13, CB07, Don17, Egg08a, Egg13b, Egg14, FCAD21, FGMM12, FGMM13, GM12, GP12, GS10, GR09, Kak16, KP13, Kon14, Kos09, Kos10b, Kos12b, KHC11b, KHC13, Lat21, LR08, LF12, LY14, Mal16, MR13, MRBI17, Mir13, MT10, NT12, Ng17, NO10, Ono16, PSZZ12, Per17b, PS13, Pra13a, Pra13c, Que09, Que11, RFMC17, Rou07, Rou08, RYY10, RY12b, RY12a, Rou14a, Sch08, Sch10a, Sch10b, Sch10c, SMP12, Sch13c, Sch13e, Sch13d, Sch15, Tol08, Van08, Vin13b, Vin14, Woe08a, WLH11, Wu13, WYLL18, WLLL18, YZF13, YR08, ZYZ18, ZYCK12, BMS⁺09, Bor14b, CAHVH10, DG21, EBG11, PW19, SYW18].

Index [SK14, TSRSRG⁺13, WHW⁺14]. **indexed** [MdMAGBLI21]. **indexes** [SZ10]. **India** [TBM⁺19]. **indicate** [Che17]. **indications** [BMD08a].

Indicator [LO11, ACD12a, AD15a, ADS16, BSW17, BD10b, BH16a, BH18, GPGBMA10, GBMA12, HHC14, JZ21, Ley12, Ley13b, Min14, Moe10a, SK21, Sch13c, Sch14a, Smo16, Sol07, TS16, The17c, VG10b, Vin12, WvEvL⁺11, WvEvLV13, ZZ12, BdMAL12, KTR10]. **Indicators** [LR11, AD16b, AD16c, AZS⁺14, ASG12, APF09, BL13, BM18, BHM18, BHM19, BTZY21, CCC⁺18, CB07, Cso21, DLM⁺17, EGR18, EI10, FT15b, FM11b, Gau17, Glä10, GTD16, HSB16, HRC12, HTX⁺18, HCZ21, LW09, Lin18c, LF21, Még14, Még18, Ort15, Ort21, PRCRVQ⁺09, RC12a, RY12a,

RCW15, RC16, SMP12, SW12, Sir12, SM18, The16e, TF17a, VCG14, Vii16, WvE13, WvE15, Wal16b, Wal16c, WZ21a, Wil16, Wu13, Zit16]. **indices** [BI10, BM14, Egg08a, Egg08b, Egg10b, Egg10a, Egg11, ER19a, ER19b, ER21, Gag09, GPNA13, HRC11b, KS16, Kos13b, SG07, Smo21b, Woe08b, Woe14, vEW08, vEW09]. **indirect** [JZ21]. **Individual** [ACD13b, RCC18, ADR13, BPU⁺14, Cso21, DFCGB15, FM11a, Lin18a, Lin18b, Lin18c, Mar16, PRCRVQ⁺09, RZLC21, San11a, San13b, San13a, San14, TW14a, TF15a]. **industrial** [Han07]. **industry** [FZDW15, Mèg14, Mèg18]. **inefficiency** [YFYs18]. **inequality** [Hag15, TBM⁺19, WYLL18, ZY17]. **infection** [RYY10]. **infer** [Nan16]. **inference** [BBMP12, Sch16, Wal16a, Wal16d]. **Infinite** [ER19a]. **inflated** [BHM18, BH18, BHM19, The16b]. **Inflation** [PPPF18, HGJZ17, HCZ21]. **inflationary** [Hag14a]. **Influence** [Ort14, BGR21, Egg08b, Fra10b, GNZ⁺19, HR16, LLH12, PCPG17, PML21, Rou07, SC21, TF15b, ZW21, Wal14]. **influences** [LHC13, SYP⁺16]. **informal** [HR16, LWL14]. **informal** [YXX18]. **Information** [Ada18, AYL14, GAB11, Sma17, BB11, BI10, BO12, BL12, CGM15, CTDM17, Egg07a, HMBI17, LP09, LSW⁺10, LZR15, LHT18, MMY17, MRR13, OOB10, PS13, PB16, WBL12, XWZL21, YDMS12, YW15, YHWZ16, YAL21, ZY21, ZS08, ZY17, ZZN19, XWZL21]. **Informetr** [Lin18a, BCGM17a]. **informetric** [AF15, FGMM13, LA15, YDWC08]. **Informetrics** [BI08, BCGM17b, HLB⁺21, Spa10, AL17, BD16, Bur08, EP07, Egg10b, LW10, Moe18, AORC12a, AORC12b, Egg12b, FM17b, KE17, RGRE16, Ron13, YAY⁺17, Egg07b, LBMM14]. **infrastructure** [BFS11]. **initials** [Mil13]. **initials-based** [Mil13]. **innovation** [CG10, Don17, DLGT19, GG09, GGSG10, HCC12, HHC14, KHC11a, Mèg18, MCKM08, SL12, XWY⁺21]. **innovations** [TLD⁺21]. **innovator** [Sma17]. **input** [LR10, SYP⁺16]. **input-output** [SYP⁺16]. **Insights** [WW15, BdMA11]. **institute** [WYLL18]. **institutes** [KHC13, LL15, OLR11, XIYcG18, ZZL⁺21]. **institution** [ACD12d, YG14]. **institution-** [YG14]. **Institutional** [OA13, BW13, Bor13b, RYY10, YZ18]. **Institutions** [BdMAL12, LTH18, ADG15, AD15c, AYL14, BSdMAM14, BSdMAM16, CJF⁺15, HZW19, Per10b, SLL⁺12, VG10b, VL16, WLLL18, YLZ18, ZZ18]. **integrated** [Ley12, KTR10]. **integrating** [GWMP16]. **intellectual** [RRKH17, SCBB11, YHWZ16]. **Intelligence** [SD11, AKML18, QLS21, TLD⁺21]. **intensities** [GW17]. **intensity** [ACD12a]. **interaction** [BK08, JSSK14]. **interactions** [DMS18]. **Interactive** [LR12]. **interdependence** [WH15]. **Interdisciplinarity** [LWB19b, LR11, LWB19a, SROdFC13, ZZ18]. **interdisciplinary** [ADZ18, CAL15, EI10, Gol14, LHC14, McC10, SZ10, WRB⁺11, ZL11]. **Interest** [JY21, PCCN21]. **interesting** [BdMA11]. **interests** [AF17a, RGRE15, RGRE16]. **interface** [MCKM08, ZY16]. **Interfield** [Yur16]. **interlinking** [LBSA13]. **International** [BMS⁺09, BD09, BD10a, LW08, ADS11, BAL18, CZG16, DTG12, DK21,

JZY⁺18, Kos10b, MEG⁺16, MAS14, MdMAGBLI21, PSA21, RSRP19, WWW10, ZZL⁺21, dMAGBLIM18, WHW⁺14]. **internationalization** [VE14]. **Internet** [TMK16]. **interplay** [CZG16, DGV19b]. **Interpolated** [RXL15]. **Interpreting** [PSA21]. **Interrelations** [SYP⁺16]. **intervals** [TF17a, The17a]. **Introducing** [Cso21, MLCL21, MMY17, TMLB16, YHWZ16]. **introduction** [BH16a]. **intuitive** [MRBI17]. **invention** [PVH21]. **inventor** [BK08]. **inventor-author** [BK08]. **inventors** [WG10a]. **investigate** [vZ13]. **Investigating** [CZG16, DMS18, KCH21b, LHWS18, SVTdFC11, Wu13]. **investigation** [ADS11, ADS17, BD10a, BP11, CG11, CFvL19, Eom08, HTX⁺18, RLY12, YXXW19, ZBK⁺21]. **Investigations** [Woe14]. **investments** [CZG16]. **invisible** [DCG⁺19]. **Ireland** [Tol08]. **IS-LS** [XWZL21]. **ISI** [ZLJ⁺10]. **ISSI** [RW10]. **issue** [RLG14]. **issues** [Cla16, WB16a, WB16b]. **Italian** [BCGM17a, BCGM17b, FM17b, ADS11, AD17b, AAD21, DLM⁺19, FC11, FM17a, Mar15, Mar16]. **Italy** [ADM13a, AD15b, AD15d]. **item** [Laf07]. **items** [BK14, GAD19]. **iudex** [Kos12c].

J [HLB⁺21, Lin18a]. **J.** [AORC12a, AORC12b, BCGM17a, Ron13]. **Japan** [Mag12]. **Japanese** [IST10]. **JASIST** [LBMM14]. **Jazz** [Sch12]. **JCR** [Cam15, PHANPP13]. **JIF** [BI10, Fra07]. **Jin** [Bur07b]. **Joint** [IPS21]. **Jointly** [HM21]. **Journal** [BCGM17b, Csa21, DGDGSPSV14, Fra10b, Fra07, GNBVQ⁺14, HY08, SLNC13, WLLL18, AD15d, ADF19, BW17a, BW17b, BRN19, But11, Cam14, Cam15, CB19, CJW14, Chi16, DTG12, DT13, DCG⁺19, DGDG13, FMM14, GPGBMA10, GBMA12, HHAA16, HM21, HS11, LS14, LR12, LBZ16, LR10, Lin18a, Lin18b, LF21, Mal16, MKCM07, McC10, MRBI17, MD12, NLK⁺21, OL10, Paj15, Pen15, Pet17, PMAT13, PML21, RL18, RXL15, Rou16, SK21, SW14, Ser10, SD11, SB11, SB13, SJZ⁺19, TF15a, The18c, Van11, Van12a, Van12b, Vin13a, Wal17a, WvE08, WvEvLV13, WWW10, WW16, WZ14, XWZL21, YSPW09, ZG12, ZWDS21, Zit10, dNL15, Cam14, Egg12b, Fin13, FM17b, KE17, LW17, RGRE16, YAY⁺17, Egg07b, LBMM14]. **journal-journal** [dNL15]. **Journals** [Yur16, BI10, BGS19, BS13, Bor19, BM10, BM11b, BFM⁺18, Cam14, Cam15, CySIY18, DFHCT21, DCM21, Dem18, ED15, FM10b, FM14, GÁCC17, HW14, wH16, KMS21, KP13, KK12, LBB17, LR11, LWB19b, LQLJ14, LYYY09, LHWS18, LidMAM08, Moe10b, MdMAGBLI21, MT10, OG13, PSI⁺17, PMAT13, RS10a, San11b, San13a, SG07, SROdFC13, SLB13, SPZ⁺11, SAP18, The16c, The17b, Tsa14, Van08, Vin14, Wal14, Wal17a, WWW10, WHL17, YYW14, ZG12]. **judgements** [BM15]. **judgment** [HHAA16]. **judgments** [LSW⁺10]. **junior** [BW17a, BW17b, Pet17]. **just** [The16e].

KCI [KP13]. **kernel** [ZLL⁺18]. **key** [Ron18]. **keyword** [BSHK21, HTLC21, LLH⁺21, YHWZ16]. **keywords**

[CX16, HLB⁺19, HLB⁺21, LLH⁺21, UK16]. **kilometres** [WTVe11]. **king** [GL11]. **Know** [vL18]. **Knowledge** [ADD21a, CFK21, LHDH21, XLLZ14, ADC19, ADD21b, BNbH17, CCC⁺18, Che17, DHLW17, DLGT19, DLH⁺21, GYZ17, GHvdB⁺14, Han07, HR18, LP09, LJM13, LRG13, LAL09, MLCL21, MS09, MSL⁺14, PPPF18, PY18, SCBB11, Sku09, SHD15, Tu21, WZ18, WYH17, YLZ18]. **Kolmogorov** [KMS21]. **Korea** [KP13]. **Kosmulski** [Egg11]. **Kosmulski-indices** [Egg11].

l [KE17, YAY⁺17]. **laboratory** [MCKM08]. **landmark** [CCL18]. **Langmuir** [San14]. **Langmuir-type** [San14]. **language** [LQLJ14, LQLJ15, MdmAGBLI21, SL15, WZ21b, YXX18]. **Large** [WW16, BW17a, BL17, BK14, BvECW18, LYZ⁺17, MMCvLLC18, PSI⁺17, RA15, The16c, VMWM17, ZH18, ZLR16]. **Large-scale** [WW16, BW17a, BL17, BK14, BvECW18, MMCvLLC18, RA15, ZH18, ZLR16]. **Larivière** [vL18]. **last** [LT13]. **Latent** [BMD08b, BMD08a, TD10]. **law** [AL17, CCC⁺18, Per10b, The16d, The16a, The16b, YR08]. **layer** [ZY21]. **layered** [LRG13, RLY12]. **layers** [LWB14]. **LDA** [XZDS21]. **Leadership** [SC21, MAS14]. **learning** [AA19, ETGS21, Khr09, PYWH15, Xie21b, XHA⁺21, ZLL⁺18]. **Least** [AL08]. **leave** [ADD19b]. **LED** [CHHL11]. **Leiden** [FHH17, OL10, PRRC15]. **Leimkuhler** [BSK10, Sar08, SGDSP10]. **length** [ACD11a]. **Leo** [Pet18, Rou14a]. **less** [RNB18b]. **level** [ACD11a, ADS11, ADM13a, ADR13, ADS17, ADD21a, AD21, BSdMAM14, BPU⁺14, CB07, Csa21, DGV19a, Jar07b, KE17, LW09, LO10, Lin18a, Lin18b, Lin18c, MMOMLC18, PRRC17, PPFKB19, SJZ⁺19, SA18, Wil16, YG14, YZ18, YAY⁺16, YAY⁺17, ZZ21, dNL15]. **levels** [LG11]. **Leydesdorff** [Bor10, Rou19, vRvLV⁺10]. **libraries** [MGLF09]. **Library** [XWZL21, BB11, BI10, LSW⁺10, LZR15, PYCH19, PB16, ZY17, AYL14, GAB11, SDAJ17, TSM09]. **life** [ADR13, BSK10, LHWS18, Ort18]. **lifecycle** [LL14]. **Lifting** [Lun07]. **like** [AD16b, AD16c, GTD16]. **Limit** [Ant18, Gag09]. **limitations** [CB07, RGMJC17]. **limiting** [vEW09]. **limits** [BLM13]. **Lindahl** [vdBS18]. **line** [LBZ16]. **linear** [AF15, Per17a]. **Lingua** [YXX18]. **linguistic** [LBD⁺19]. **link** [Abb16, BSHK21, RL18, TB18b, YDS⁺15]. **linkage** [Che17, HYC15, Ke21a, SWHC15]. **linkages** [DLGT19, DLH⁺21]. **linked** [XWY⁺21]. **links** [CHHL11, GW17, KHC18, Per10c, SLL⁺12]. **List** [Ano10e, Ano11e, Ano12e, Ano13e, Ano14e, Ano15e, ADZ18]. **listed** [Cam14]. **lists** [Kos12d]. **Literature** [CFK21, HMBI17, ADD21b, Chi16, CPM⁺07, HKA⁺09, LW10, McC10, NPS13, NO07, PB16, TB18a, VZMFAB19, WRB⁺11, Wal16b, XLLZ14, XMM14, YAL21, ZTG11]. **Literature-based** [CFK21]. **literatures** [McC10]. **live** [WHLT18]. **lme4** [LCY19]. **local** [RWL12, YXX⁺17]. **located** [HCL13]. **locations** [HCL13, YXXW19]. **log** [Per10b]. **log-normal** [Per10b]. **logistic** [BSdMAM16]. **Lognormal** [SYW18, AF15, The16d, The16a, The16b, Vii18]. **Long**

[RSRP19, WHLT18, ADF19, Glä07, SLW15, WZ21a]. **Long-term** [RSRP19, ADF19, Glä07, SLW15, WZ21a]. **longer** [TN18]. **longitudinal** [Abb16, LB16, Ort18, Pen15, PB16, SLB13, Tan13]. **look** [Mag13, WWML14]. **Lorenz** [BBL19, Egg10b, LBB17, SGDSP10]. **lost** [Bur08, EP07]. **Lotka** [KK07]. **Lotkaian** [Egg11]. **Low** [MRR13, AORC11a, AORC11b, AORC12a, AORC12b, KP13]. **low-** [AORC11b, AORC12b]. **Low-cost** [MRR13]. **low-impact** [AORC11a, AORC12a]. **LS** [XWZL21].

machine [ETGS21, KMS21, Khr09, XHA⁺21]. **Macro** [DLH⁺21, LW09]. **Macro-level** [LW09]. **made** [VCG14]. **magnitude** [TF15b]. **main** [XLLZ14, YDS⁺15]. **mainstream** [LLH12]. **Maisano** [BCGM17a, AD17b]. **major** [PTA07, SGGMF18]. **make** [BK14]. **malaria** [RS10a]. **male** [KdBOK15b]. **management** [KSJL15, Nie17, SCBB11]. **Mantel** [Smo19]. **Manuscript** [Pet21]. **manuscripts** [CSdFCA17, Sch08, Sch10b]. **many** [RGSM⁺19, SW12, The16b]. **map** [BSdMAM14, BK14]. **Mapping** [BLWSE11, CLR⁺17, GHP21, KB14, RBV07, SDAJ17, SDL16, TSRSRG⁺13, TSRFAM19, AC09, AC17, BL12, CMN08, LW11, MCKM08, PSYCH18, WvEN10]. **mappings** [BNbH17]. **maps** [BW11, HKK18, LR12, LBZ16, NPS13, SRP15]. **marginal** [BW13]. **marketing** [MT10]. **Markov** [BMD08b, DFHCT21]. **Markov-switching** [DFHCT21]. **Marx** [BHM18]. **Master** [LW17]. **matchedness** [LY19]. **matching** [BHM21, FJW⁺15, dSSOH07]. **material** [RJDD08]. **materials** [Mag12]. **Mathematical** [Egg09, Egg12a, RLG13, RLG14, Egg13b, San13b, KdBOK15a]. **mathematicians** [LYZ⁺17, Lin18a, Lin18b]. **mathematics** [WCG21]. **matrices** [LR07]. **matrix** [LR10]. **matter** [BL15, Tan13]. **matters** [SJGBMA17, vdBS18]. **Matthew** [BW14, SG12, Tol13b, Wan14]. **maturity** [DGDG13]. **maximum** [DGDG13, AL08]. **may** [BBL19]. **McCall** [Ley12]. **MDNRS** [BH16c]. **mean** [BSK10, BBL19, BH16c, The16f, Vii17]. **mean-based** [Vii17]. **meaning** [RH13]. **meaningful** [BL14]. **means** [Egg13b, HSB16, ZLL⁺18]. **measure** [ADR16, BSW17, BDR14, BD10a, BTZY21, GTD16, HHC14, MD18, RGSM⁺19, VY10, YZF13, ZYZ18, ZSH⁺16, ZRY11, dVvV18]. **measured** [ADD21b]. **Measurement** [ZWDS21, ACD11a, Abr18, AORC11b, AORC12b, BMD10, HLR17, HCZ21, LWB19a, MBD17, OG13, Rou19]. **measures** [AAH11, AORC11a, AORC12a, BILL07, zChHY13, GM12, LY12, LLH12, Moe10a, Per10b, RLG13, RLG14, SRP15, SLNC13, VY13]. **Measuring** [BK08, Coc08, DLGT19, GFGALG21, Han07, HZW19, LBB17, LS14, LL15, LR10, Mal16, MD19a, MSPD16, Moe10b, RGRE17, Sch13a, SRZ19, SWHC15, Yan14, YFyS18, ZY21, dSSOH07, ADZ18, Bor10, BM11a, Bor14c, GBMA12, LCY19, WRB⁺11, ZZ12, vL18]. **mechanism** [Fra07, San11b]. **mechanisms** [GHvdB⁺14, Pen15]. **Media** [ZSWD17, HY21, VGRB16]. **media-based** [HY21]. **median** [Vii17]. **median-based** [Vii17]. **medical**

[VS13]. **Megajournal** [Pet21]. **members** [Ort15]. **membership** [vdB12]. **memes** [MLCL21]. **memory** [PPPF18]. **Mendeley** [BH15, BH16c, DR19, FT15b, HB16, KT19, PB16, The17b, The18b, ZH18]. **mention** [LY18]. **mentioned** [HLSH17]. **merging** [Egg08b]. **meso** [HDT⁺13]. **Message** [Egg15, Wal15]. **meta** [BGGB13, BMD07, BLV10, BMHD11]. **meta-analysis** [BMD07, BMHD11]. **meta-analytical** [BGGB13]. **meta-evaluation** [BLV10]. **metaknowledge** [MMY17]. **method** [Bor10, BM11a, BM15, CCC⁺18, CSH18, DS21, GL11, LR12, MCKM08, SGDSP10, SZR⁺19, Sma18, SPZ⁺11, WvE15, XIYcG21, YHS18, YYW14, ZSH⁺16, ZLL⁺18]. **Methodi** [GSV⁺21]. **methodological** [MJB11, Siv16]. **methodology** [AD15b, ADR16, AD21, MBIH16]. **Methods** [BM15, GHvdB⁺14, ASG12, CX16, FT15a, Gau17, KK19, Kos12a, KdBOK15a, KdBOK15b, LHC13, LHWS18, Mil13, MÉVQR21, PRRC15, SD11, SAP18, TW14b, TBTB19, YZ15]. **Metric** [Pet18, GPGBMA10, MRBI17, RFMC17]. **Metric-Wise** [Pet18]. **metrics** [CRS14, DGV19b, GNZ⁺19, HHAA16, KRM13, KG07, MMOMLC18, Ort18, PPFKB19, RDF⁺18, RW10, XMLM21]. **MHq** [BHM18, BHM19]. **micro** [CB07, DLH⁺21, HSMB18, WBL12]. **microarrays** [MCKM08]. **Microsoft** [KTA18, KT18, Ort14, The17b, The18c]. **milestone** [MMZ16]. **Miller** [Woe14]. **minds** [WHLT18]. **minimal** [Egg13b]. **minimum** [ER19b, HSB16]. **Mining** [CFK21, HDY12, HDT⁺13, QCVQdMA10, ZZ21]. **misinformation** [Ada18]. **mismanagement** [Pet21]. **Missing** [KHC18, LHT18, CHHL11, Rou07]. **misunderstood** [But17]. **mixing** [Pen15]. **MNCS** [GTD16, LO11, AD16a, AD16b, AD16c]. **MNRS** [BH16c]. **mobility** [GHP21, HZW19, RGSM⁺19, ZBK⁺21]. **modality** [MdMAGBLI21]. **mode** [DN17]. **model** [AOdFC12, BHCH17, Bur07a, Cop19, FGMM13, HKK18, HTLC21, JSSK14, JS14, JY21, KdBOK15a, LWWL14, MJB11, MD18, OOB10, SG12, TF17b, VCG14, XOL16, Xie21b, Xie21a, XIYcG18, YZ15, YFyS18, YR08]. **model-based** [JS14, YZ15]. **modeled** [NF12]. **Modeling** [SPT12, VGRB16, WLG09, BMD08a, BMD08b, Bor19, Brz14, CTGM15, LYYY09, MD19b, YKKS16]. **Modelling** [AF15, Még18, The16d, The16f, YDWC08]. **models** [AF15, BS09, BSdMAM14, BD16, Glä10, KE17, KBCR10, LDS⁺12, OG13, WBL12, XHA⁺21, YAY⁺16, YAY⁺17]. **Modesty** [Kos12b]. **Modesty-index** [Kos12b]. **modification** [Sch08]. **modifications** [WvEvLV13]. **modified** [Sch10a, SRZ19]. **modify** [Sch10b]. **Modifying** [LF12]. **MONO** [DU21]. **monodisciplinary** [The16c]. **monograph** [TS14]. **monograph-based** [TS14]. **Monolingual** [XZDS21]. **Monotonicity** [Que09]. **month** [Don18]. **most** [ACD14, LWB14, MGC18]. **most-frequently** [LWB14]. **movement** [RGSM⁺19]. **Moving** [GHP21]. **multi** [BSdMAM14, Bur08, EP07, KE17, Kos12d, KTA18, LWWL14, LF12, Moe18, RRKH17, RS10b, Sch08, Sch10a, Sch10b, YAY⁺16, YAY⁺17, ZZ21]. **multi-author** [Kos12d, RRKH17, Sch10a]. **multi-authored**

[LF12, Sch08, Sch10b]. **multi-copy** [Bur08, EP07]. **multi-discipline** [KTA18]. **multi-level** [BSdMAM14, KE17, YAY⁺16, YAY⁺17, ZZ21]. **multi-paradigmatic** [Moe18]. **multi-parameter** [LWWL14]. **multi-relational** [RS10b]. **multidisciplinary** [HDT⁺13, LS14, The17b, The19a, ZZ18]. **multilevel** [BMHD11, BSdMAM16, Bor19, MD19b]. **multilingual** [XZDS21]. **multiple** [BNbH17, CH15, XHA⁺21]. **multiplex** [ZY21]. **Multiplicative** [PRRC15, HRC12]. **Multiplicity** [ZSWD17]. **multiply** [HLSH17]. **Multivariate** [OLRF11]. **Munich** [BP11]. **museum** [FMM16b, MCD16]. **MVPs** [KHC13]. **my** [Sch14b]. **myopia** [PPPF18]. **mystery** [Cla16]. **myth** [HRL12].

name [BP11, FN10, Mil13, SKK15]. **names** [BK08, LT13, LF12]. **nanobiopharmaceuticals** [CG11]. **Nanoscience** [MÉVQR21]. **nanotechnology** [MÉVQR21, WG10a, BSW17]. **Narin** [PML21]. **National** [FT15b, Mar15, Mar16, TS16, ACD11b, AD14, ASG12, BAL18, CZG16, FT15a, KK19, LBSA13, SV18, dMAGBLIM18]. **national-scale** [ACD11b]. **nationally** [MdMAGBLI21]. **nations** [AD21, AZS⁺14, HG14, PCPG17, TF17b]. **natural** [BAL18, CA11, Wal14, WZ21b]. **natural-sciences** [BAL18]. **nature** [ADS17]. **necessary** [BP11]. **need** [RRKH17]. **Needs** [vL18, CLR⁺17]. **negative** [BAL18]. **neighborhood** [Cop19]. **neighbourhood** [SJGBMA17]. **neither** [GL11]. **Nemo** [Kos12c]. **nested** [WYLL18]. **Netherlands** [BAL18]. **Network** [BFM⁺18, CW18, Din11b, KYC12, Let16, AAH11, AA19, AS21, AF17b, BB11, BSW17, CMN08, CR10, CLC11, CRS14, DKK⁺17, HMU13, HLR17, LWWL14, LY18, LRE17, MEG⁺16, MMZ16, MMY17, Ort14, PPPF18, PY18, Per10a, Per17a, RP08, RS10b, RZ15, RZLC21, Sch12, SAB⁺16, TMK16, TD10, VMWM17, YZF13, YHS18, IYFyS18, ZYCK12, ZW21, dIP11]. **network-based** [LWWL14, YHS18]. **networking** [YZ18]. **networks** [AAH11, AHL12, Abb16, AOdFC12, BM21, BSHK21, BSW17, BKK09, BAGADF15, BSdMAM16, DN17, Din11b, DCG⁺19, ES15, Egg07a, Fia12, GYZ17, HLB⁺19, HLB⁺21, HDT⁺13, IST10, IPS21, Jal11, JLYM16, JXYS21, KD15, KMJ⁺19, KdBOK15b, LP17, LJM13, MD19a, NJFD14, Ort14, PTV17, PSG⁺21, PL13, Pen15, PRWvE16, PVH21, RS10b, RWL12, Sch13a, SVTdFC11, SFCK19, VZMFAB19, VAdFC13, WvEN10, WJW⁺19, XOL16, YZ18, YDS⁺15, ZWBA21, ZYZ18, ZWG⁺19, ZY21, ZRY11, ZY12, ZY17, vEW14]. **neural** [AA19, CLC11, RZLC21, ZYCK12]. **neuroscience** [GÁCC17]. **never** [HW14]. **never-cited** [HW14]. **newly** [BLW13]. **NIH** [LY19, YVW⁺13]. **NIH-funded** [LY19]. **No** [TS14]. **Nobel** [LHDH21, San15]. **node** [YZF13, ZYZ18]. **Non** [BvR11, BL14, BK14, IPS21, KW21, RSRP19, Sma18, SWHC15]. **Non-alphanumeric** [BvR11]. **non-cover** [KW21]. **non-meaningful** [BL14]. **non-method** [Sma18]. **non-parametric** [IPS21]. **non-patent** [SWHC15].

non-science-based [SWHC15]. **non-source** [BK14]. **non-stationary** [RSRP19]. **Nondeterministic** [BC16]. **nonlinear** [ZYCK12]. **nor** [GL11]. **normal** [MJ13, Per10b]. **normalisation** [DGV19b]. **normalised** [TS16, TF17a, The17a, The17c]. **Normalization** [BH16c, BH18, HB16, LO10, Ron13, BM11a, CA11, FM14, GL11, HRC12, LRC13, LRCRC13, MD19b, RC14, Zit10, Ron12]. **normalizations** [OL10]. **Normalized** [NMNJM13, BLW13, BM15, BH16a, BH16c, BM18, Bor19, BHM21, DGDGSPSV14, RCW15, WvE15, Wu13]. **normalizing** [HTX⁺18, WvE13]. **Norwegian** [AAD21, AW14, RA15]. **Note** [Per17b, Ano17e]. **novel** [AD21, DU21, FM10b, RGMJC17, SAP18]. **novelty** [BTZY21]. **nucleation** [San11b]. **nucleolus** [Mêg18]. **null** [MJB11]. **number** [ADR13, AD15d, AD15c, Bor19, CAHVH10, EP07, Smo16, Vin13b, Xie21b]. **numbers** [HL19].

o [Egg10b]. **o-type** [Egg10b]. **obesity** [CLR⁺17]. **Object** [YDWC08, GMFGVZ16]. **Object-relational** [YDWC08]. **observation** [ACD12e, ACD12d, Glä07]. **observations** [vdBHS17a]. **occurrence** [BvR11]. **occurrences** [VY10]. **Odds** [SM18, Smo19]. **oeuvre** [ALW11, Moe10a]. **often** [WXP⁺12]. **old** [Sch10c]. **omitted** [FMM14]. **oncological** [LIdMAM08]. **ONE** [Pet21]. **ones** [ACD14]. **oneself** [Sir12]. **ongoing** [PT08]. **Online** [CCL18, KTR10, CBT21, KSJL15, MMOMLC18, MS09, OA13]. **only** [Vin13b]. **open** [CPM⁺07, ED15, Fra09, LB16, MMCvLLC18, SLB13, SZ10, SL12, Zit16, vV19]. **open-access** [SZ10]. **operationalised** [Vas09]. **Opinion** [YKKS16, Glä10]. **opportunistic** [ADD19b]. **Opportunities** [BLM13, Smo21a]. **opportunity** [AZS⁺14, PY18]. **Ophhof** [Bor10, vRvLV⁺10]. **optimization** [BHH⁺07]. **Optimizing** [GNBVQ⁺14]. **options** [The16d, ZZ12]. **oranges** [ACD13b]. **ORCID** [GHP21]. **order** [ADR13, GPNA13, Kos12d, MKCM07, SB13]. **order-effect** [SB13]. **orders** [HDY12, LRE17]. **Ordinatio** [GSV⁺21]. **organization** [Dan16, DKK⁺17, VY13]. **organizational** [BHH⁺07, HMu13]. **organizations** [KS16, VY10]. **orientation** [BAL18, Luo21]. **orientations** [TBTB19]. **oriented** [MdMAGBLI21]. **Origin** [VZMFAB19, OA10]. **originating** [The19b]. **other** [CB07, Egg08a, HLB⁺19, HLB⁺21, Jar07a]. **our** [BL12]. **outcome** [Sch14b]. **outcomes** [AZS⁺14, JZY⁺18]. **outgrow** [HRC11b]. **outperform** [FSZB15]. **output** [ADZ18, ADD19a, BGCL07, BMD10, CM14, Cso18, ETGS21, FM10a, FM11a, FM11b, GHS21, Hag14a, Hag15, Hic17, Kos11, Kos12a, LW09, Per10b, PSI⁺17, RC16, San11a, SYP⁺16, YLZ18, vdBHS17b]. **output-based** [vdBHS17b]. **outputs** [LYF17, OLR11, XIYcG21]. **overall** [ACD13a, HSMB18, Lat21]. **Overcitation** [MGC18]. **overestimate** [Wal14]. **overlays** [LR12]. **overlooked** [KCH21b]. **overrepresentation** [MGC18]. **overtime** [WXP⁺12]. **overview** [Bor14a, FM10a, PTA07, TB18a]. **Oxford** [vL18].

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Paper-patent [DLH⁺21]. **paper-side** [BH16c]. **Papers**
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 HYC15, KW21, Kos11, Kos12d, LL14, LZR15, LF12, LRWY13, MMZ16,
 MSPD16, MGC18, PYWH15, RZLC21, San13b, San14, Sch14b, Sma18,
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patenting [KS16, WG10a, WYLW21]. **patents**
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 BMD07, BMD08a, BMD08b, BL13, DCM21, DCG⁺19, MJB11, SG12].
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perception [GFGALG21]. **Performance**
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 BM11a, BSdMAM14, BH16b, CCC⁺18, CCH12, CG11, CRS14, Coc08, CA11,
 Cso21, Dan16, DFCGB15, DFFBR16, DGV19a, DGV19b, EGR18, FJW⁺15,
 FHH17, GG09, GTD16, GHS21, Kos08, KHC11a, KHC11b, LS14, LL15,
 Let16, LY14, LHC14, MdMALIV11, MBD17, MD18, OL10, SV18, Sch14b,
 SC21, VY13, Wal17b, Wil16, XMLM21, ZYCK12, ZBK⁺21, vdBS15, Fin13].
performance-based [AS17, Wal17b]. **performers** [ADS11]. **performing**

[BL12]. **peripheral** [Let16]. **periphery** [LBSA13, OOB10]. **perish** [LHWS18]. **Perry** [Ng17]. **persistent** [McC10]. **personalized** [NCJ15]. **perspective** [BM13a, FC11, HDT⁺13, KMS21, LS14, MLCL21, SX21]. **Perverse** [vdBHS17b]. **Peters** [BW17b]. **pharmaceutical** [DLGT19, KS16]. **phenomenon** [HR16, HCZ21, SCBB11]. **physical** [CR10, CF16]. **physicists** [LYZ⁺17]. **Physics** [KMS21, ST19, WHLT18]. **piecewise** [Xie21a]. **pilot** [HW14, PC10]. **Pinski** [PML21]. **pitfalls** [HTX⁺18]. **platform** [CBT21]. **platforms** [MMOMLC18]. **plausible** [The16a]. **player** [ES15]. **plentiful** [KK12]. **PLOS** [Pet21]. **plots** [ADG15, ADG16]. **plotting** [BGCL07]. **PlumX** [Ort18]. **point** [Bor14a, EGR18, EI10]. **Poisson** [MD18, MD19b, Xie21a]. **Poland** [KKK17]. **Polar** [ER21, Smo21b]. **polarity** [YKKS16]. **policies** [VL16]. **policy** [Hic17, RNB18b, VS13, vdBHS17a]. **Polish** [Kos15]. **political** [FCAD21]. **popularity** [Fra10a, HTLC21, Yan14]. **population** [JSSK14, Sch16]. **portfolio** [KB17, ZSH⁺16]. **portfolios** [RGRE17]. **Position** [Vin14, BAGADF15, CT16, RA15]. **Positioning** [KHC11a]. **positions** [Cam14, KMJ⁺19]. **Positive** [wH16, Rou16, Ley17b]. **positively** [CySIY18]. **possible** [Vin13b]. **Posted** [ZDJ⁺16]. **posts** [YXXW19]. **potential** [ACD12a, BMD08a, DGDGSPSV14, TB18b]. **power** [CCC⁺18, CBT21, Mèg14, Sch13d, The16d, The16a, The16b, YR08]. **pp** [BCGM17b, RLG14]. **practical** [BW13, CLHHVH11, HHC14, The16e, The17c]. **practices** [FN10, PW19]. **pragmatic** [LBZ16]. **pragmatism** [Siv16]. **Praise** [Ley17a]. **Prathap** [RYY10]. **pre** [KD15, RW10]. **pre-conference** [RW10]. **pre-processing** [KD15]. **precise** [FT15a]. **precision** [The16f]. **Predatory** [Dem18]. **predict** [BD10a, TN18]. **Predicting** [ADF19, AA19, BZL19, BSHK21, Lin18a, Lin18b, Lin18c, NLC17, RZLC21, SLW15, Xie21b, Xie21a, YG14, ZW21, DLH⁺21, VCG14, WYX⁺12]. **Prediction** [CFK21, BSHK21, BLW14, FT17, PY18]. **predictions** [BW13]. **predictive** [Sch13d, vdBS15]. **predictor** [GHS21]. **predominance** [VZMFAB19]. **predominant** [HCC12]. **preference** [Ser10]. **preferential** [AHL12, IPS21, Pen15, WFC14]. **preferred** [BLW13]. **preliminary** [BNbH17, LLH⁺21, RLY12]. **Preposition** [AKML18]. **Preposition-based** [AKML18]. **Preprints** [WCG21]. **presence** [SB13]. **Press** [vL18, BHM19, KTA18]. **prestige** [Fra10a, GPGBMA10, GBMA12]. **PrestigeRank** [SPZ⁺11]. **prevalence** [Ort21, ZZ18]. **previous** [BL12]. **primary** [Hag14b]. **Principle** [AL08]. **priorities** [CLR⁺17, RS16, VS13]. **prioritize** [NMNJM13]. **private** [BRA19]. **prize** [ZWZZ21, LHDH21, San15]. **prize-winning** [ZWZZ21, LHDH21]. **probabilistic** [SPT12]. **probe** [zChHY13]. **problem** [Bor13b, ER19b, WvEVW16]. **Problems** [CGM15, Min14, LO11, MD12]. **procedures** [LRC13, LRCRC13, Mar16, RC14]. **Proceeding** [ZG12]. **proceedings** [GAB11]. **process** [DCM21, JW17, LA15, TB18a, VL16, WYLW21]. **process-based** [JWL17]. **processes** [Egg07a]. **processing** [BO12, KD15, WZ21b]. **produce** [DT13, SAB⁺16]. **producer** [CGM15].

production [Egg07a, GÁCC17, KSS16, OG13, Rou16, TF17b, TWH08].
productive [ACD14]. **Productivity**
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 PS13, RCC14, RC16, WvEVW16, Xie21a, YXXW19]. **professors**
 [AAD21, HZW19]. **profile** [CH14, MMOMLC18, PS13]. **profiles**
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progress [BGR21, Ley13a, Mag12]. **Progressive** [San11b]. **projects**
 [CGF⁺19, MCKM08, MBD17]. **Proknow** [GSV⁺21]. **Proknow-C**
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propensity [BHM21]. **proper** [vEW09]. **Properties**
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Proposals [BGS21, BLV10]. **proposed** [LY19, WvE08]. **Providing** [Cam15].
Proximal [WZ18]. **proximity** [ADD21a, ADD21b, BP11, KJS16, SRP15].
proximity-based [KJS16]. **pseudo** [Cop19]. **pseudo-spatial** [Cop19].
pseudoscience [Spa10]. **psychiatric** [SX21]. **psychology** [BGGB13].
Public [BRA19, PC10, Coc08, DMS18, HLB⁺19, HLB⁺21, VL16].
Public-private [BRA19]. **Publication**
 [CH15, EI10, KK19, LBMM14, RA15, Van12a, AD15d, ADF19, AW14,
 ALW11, BSW17, BRA19, Bor13b, BLW14, CX16, Cso18, Don18, FM10a,
 Gau17, Hag14a, LR07, LR10, Lin18a, Lin18b, Mal16, Moe10a, MdMAGBLI21,
 NZZ⁺16, PRRC17, Ron12, Ron13, RGRE17, SKLR16, SK21, San11a, Sch15,
 SA18, Smo21a, The16e, TMLB16, VW16, WW15, Xie21a, YVW⁺13, Yur17b].
publication-citation [LR07]. **publication-level** [PRRC17, SA18].
publication-reference [LR10]. **publications**
 [AD17a, AD17c, BSMD12, BO19, BvR11, HDY12, HR16, HHC14, KHC13,
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 NLK⁺21, PSYCH19, PRRC15, RWB17, Rou07, Sch10a, Sch13c, SA18, SLW15,
 TB18a, TF17b, Vin13b, WvEW13, Web17, WG10b, YZ15, ZH18, ZG12].
publicly [SHD15]. **publish** [CGF⁺19]. **published**
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Publisher [Ano17e]. **publishers** [FMM14, WWW10]. **publishes** [Dem18].
Publishing [Pet18, AD15d, BS13, Bor19, DTG12, Luo21, MJ13, San14,
 TBM⁺19, VE14, Wal12]. **PubMed** [JHK⁺16, SKK15, VTPF15].
PubMed-scale [SKK15]. **pushing** [Zit16].

Qualification [Mar15, Mar16]. **Qualitative** [Egg08a, CAHVH10]. **Quality**
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 dSSOH07, vV19]. **quantification** [Hag13]. **quantify**
 [PRCRVQ⁺09, RPKH17]. **Quantifying** [LY12, MLCL21, Mil15, RWB17,
 SROdFC13, VMWM17, CCL16, CLHHVH11, WvEVW16]. **quantile**
 [BGCL07, GG19]. **Quantitative** [CAHVH10, LRCRC13, Mar15, BDR14,
 Egg08a, FZDW15, Kos12a, OG13, RGRE15, RGRE16]. **Quantity**

[Mir13, vdBS18, CySIY18, wH16, KFM⁺15]. **query** [ZY16]. **question** [ADG16]. **quicksand** [Glä17]. **quotient** [MD18]. **quotients** [Smo19].

R [vL18, AC17, LYF17, LY18]. **R&D** [LL15, RSRP19, XIYcG18]. **R-tool** [AC17]. **Radicchi** [Sir12]. **Raf** [Pet18]. **random** [Hür15]. **Rank** [Vin14, BBL19, BLM13, BLW13, BSdMAM14, BRN18, DFCGB15, LF12, MKCM07, PS13, RNB18a, Sch14a, Sch14c, Vin13a, GNBVQ⁺14]. **rank-citation** [PS13]. **rank-order** [MKCM07]. **ranked** [Tsa14]. **Ranking** [AD15c, ASG12, BM16, GZRMLSC18, KHC11b, LSW⁺10, MT10, SW12, SAP18, Van08, ZWG⁺19, dlVV18, BC16, Csa21, DVG16, DGV18a, DGV19a, FCAD21, GP12, KPB09, LW17, MAS14, NCJ15, SKLR16, Ser10, SD11, SB13, VMWM17, Van11, Van12a, Van12b, XMM14, XMLM21, ZWZZ21, ZY17, FHH17, HCS19, PRRC15]. **Rankings** [BI10, BdMAL12, ACD12e, ACD12d, AD15a, ADG16, BM10, BM11b, BM14, But11, DGV18b, FSZB15, LHC13, Paj15, RXL15, SK21, SW14, Tsa14, BGR21]. **ranks** [AD16a, HZW19]. **Rao** [LWB19b]. **rare** [BK08]. **Rasch** [MD18]. **rate** [FC17, KP13, Lin18a, Lin18b, RA15]. **rated** [ED15]. **rates** [SLB13, SLNC13, Van13]. **rating** [LW17]. **ratings** [Wal17a]. **Ratio** [PPFKB19, ADS16, BM11a, NF08]. **rational** [GR09, Sol07, Tol08]. **rationalism** [BM18]. **Ratios** [LRWY13, Egg12a, LG11, SM18, Smo19, vZ13]. **RCR** [PPFKB19]. **reader** [BH16c, HB16]. **reader-** [BH16c]. **readers** [FT15b, The18b]. **readership** [DR19, KSJL15, ZH18]. **Real** [GR09, WLH11]. **reality** [RC12b]. **realized** [GW17]. **really** [Sch14c]. **reason** [SYW18]. **reasons** [BD07a]. **recalibrated** [Cso21]. **received** [Fin14]. **receives** [BD10a]. **recency** [LHDH21]. **reciprocity** [WRA⁺21]. **recitation** [ALW11]. **recognition** [BAL18, Kos10b, LL14, MSPD16]. **recognized** [DLH⁺21]. **Recommendation** [AF17a]. **recommending** [YG14]. **reconsidered** [BW14]. **records** [Ron12, Ron13, VZAMMFAB15]. **Recovery** [KK13]. **recruitment** [ADR16]. **Reddit** [SX21]. **reduce** [CCC⁺18]. **reduction** [HCC12]. **REF** [BHA19]. **referee** [DCG⁺19]. **referees** [RBV07]. **Reference** [SGGMF18, ADZ18, BM13a, BL14, EGR18, Kos12a, KSJL15, LR10, PSG⁺21, TMLB16, CH15, NF08]. **Referenced** [LBMM14]. **references** [BH16a, BTZY21, Cam15, DLGC13, HLSH17, LAL09, Ron18, Sta21, SWHC15, TB18b, TMLB16]. **refined** [SZR⁺19]. **refinement** [Rou14b]. **reflected** [Luo21, TB18b]. **Reflections** [RY12a]. **reflects** [BM15]. **regarding** [AD17b, BCGM17a]. **regionalization** [GHP21]. **regions** [BW11, BL12]. **Regression** [TW14b, AAH11, AF15, BD16, BSdMAM16, CRS14, GG19, MD19b, Per17a, The16d, YKKS16]. **regular** [ZG12]. **Regularity** [FM11a, HW14]. **rejected** [BMS⁺09, BLV10]. **Rejoinder** [AD16c, LQLJ15, BW17b, FM17b, Lin18c]. **related** [CCC⁺18, RY12a, TMK16, Wal14, ZTG11]. **relatedness** [SRP15, VY10]. **relation** [AL08, BSK10, Bur13b, CB07, Egg13a, HHAA16, JXYS21, Rou08, RY12b, SYW18]. **relational** [Mal10, RS10b, YDWC08]. **relations** [HSMB18, LW09, LBZ16, YDCL13, dNL15]. **Relationship**

[AZS⁺14, Ort15, AD15d, ADM17, BAGADF15, FMM14, RP08, ZBK⁺21].
Relationships [VY13, BNbH17, CCH12, JZY⁺18, Mèg14, Mèg18, RFMC17, SVTdFC11, SLNC13, ZH18, dMAGBLIM18]. **relative** [CA11, HCZ21, LWB19b, LF21, RRKH17, SYP⁺16, Vin12, PPFKB19].
relevance [GAB11, KCH21a]. **relevant** [CHHL11, LBMM14, Sch13d].
reliability [Glä10, WZ21a]. **Remaining** [LO11]. **remark** [Gag09].
remarkable [AL17, Vii18]. **remarks** [BCGM17b, FM17a, FM17b]. **Reny** [Ng17]. **RePEc** [SW12]. **Reply** [YAY⁺17, vRvLV⁺10, Moe18, vdBHS17a].
Report [BdMA11, BdMAL12, HKA⁺09]. **reporting** [BMHD11]. **Reports** [Cam14]. **represent** [Wal17a]. **representation** [DKK⁺17, PS13, VE14, dVvV18]. **representative** [NZZ⁺16, ZLR16].
represented [QCVQdMA10]. **reproduce** [AOdFC12]. **reputation** [MD19a].
Research
 [AJ13, BRN18, DN17, GÁCC17, GHS21, KB17, LYYY09, MS09, NPS13, PW19, RC16, Van11, Yan14, YZ18, vL18, AS17, AHL12, ACD11b, ACD12a, ACD12c, ACD12d, ADM13b, ADR13, ACD13b, ACD13a, AD14, AD15a, ADG15, AD15c, ACD15, ADG16, ADS17, ADM17, AD17b, ADZ18, AD18, ADD19a, ADD19b, AAD21, ALW11, AZS⁺14, ASG12, AYL14, BSHK21, BGCL07, BCGM17a, BDR14, BAGADF15, BMD10, BLV10, Bor10, BM12, Bor14a, Bor14b, BSdMAM14, BH16b, BHA19, BPU⁺14, BRN19, CCC⁺18, CLR⁺17, CM14, CG11, CRS15, CZG16, CLHHVH11, Coc08, CFvL19, CJF⁺15, CT16, Cso21, Dan16, DLM⁺19, DT13, ETGS21, FT15a, FT15b, FC11, FM11a, FM11b, FM17a, FM17b, FHH09, FHH17, FH13, GNZ⁺19, GAB11, HHAL17, HJ15, HGJZ17, HCC12, IST10, JSSK14, Jar07a, JHK⁺16].
research [JZY⁺18, KS16, Ke18, Ke21b, KYC12, KK19, KSS16, KTR10, KHC11a, KHC13, KKK17, LS14, LL15, LW09, LYF17, LY19, LY12, Lin18a, Lin18b, Lin18c, LHTW15, MAS14, McC10, MMY17, Moe10a, MdMALIV11, MCKM08, MBD17, Nie17, OL10, OLR11, Ort14, PSYCH19, PL13, Per10b, PRCRVQ⁺09, Per10c, PC10, RGRE15, RGRE16, RS10a, RNB18a, RNB18b, SV18, Sch13b, SA18, Sta21, SZ10, SL12, TS12, The17a, TF17b, The17c, The18b, TBTB19, TBM⁺19, TWH08, TD10, VS13, Vas09, VG10b, Vii17, WRB⁺11, Wal17b, WG10a, Woe14, Wu15, WYH17, WYLL18, XIYcG18, XHA⁺21, YDMS12, IYFyS18, YLZ18, ZZL⁺21, ZBK⁺21, ZL11, ZZ18, dMAGBLIM18, vV19, vdBHS17b]. **research-focused** [BSdMAM14].
research-front [Jar07a]. **researcher** [ACD12e, BH16b, CRS14, GFGALG21, KMJ⁺19, MD18]. **ResearcherID** [BW17a]. **researchers** [ADS11, ACD13a, BW17a, BW17b, BRN19, CTGM15, CGFí⁺19, FT17, GP12, HLB⁺19, HLB⁺21, Let16, LSW⁺10, LLH12, Mar16, NLC17, Pet17, RJDD08, Tol13a, Xie21b, Xie21a, Yur16, Yur17b, ZW21, Pet18].
ResearchGate [LTH18, YZ18]. **residual** [BSK10]. **resolution** [SCMG16].
resources [CGM15]. **respect** [CA11, Mall16]. **Response** [AD17c, But17, WB16b, AF15, BHM18, BHM19, MCD16]. **responses** [SX21]. **resting** [The16e]. **Restricting** [Sch15]. **restriction**

[GPNA13, HR18]. **restructuring** [DFFBR16]. **results** [AORC11b, AORC12b, Egg12a, PRCRVQ⁺09, TBTB19]. **Rethinking** [KK15]. **retiring** [Egg15]. **RETRACTED** [ZWDS21]. **retrieval** [CTDM17, CCL18, MRR13, YDMS12]. **Return** [NF08, YAL21]. **returns** [YRYyBL14]. **reuse** [PW19]. **revealed** [Ser10, SYP⁺16]. **Revealing** [PHMSML17]. **reveals** [HKK18, VS13, XMLM21]. **Reversing** [Hag14b]. **Review** [BGS21, HMBI17, Pet18, vL18, ACHVH09, BI08, BD07a, BMD07, BMD08a, BMD08b, CR10, CPM⁺07, DCM21, DCG⁺19, MGC18, Moe18, MRR13, NO10, SG12, WRB⁺11, Wal16b, CF16]. **reviewed** [BS13]. **reviewer** [BD07b, GHS21]. **Reviewers** [Ano10e, Ano11e, Ano12e, Ano14e, Ano15e, Ano13e, BGS19]. **reviews** [BGG13, GSV⁺21, MJB11, WLH19]. **revised** [Ley13b]. **revisited** [Egg13a, Kos12d, vdBHS17b]. **Revisiting** [ACD12c, Abr18]. **revolution** [RS16]. **RG** [LTH18]. **rhetorical** [The19a]. **rhythm** [LR10]. **rising** [PTV17]. **risk** [SM18]. **risks** [RNB18b]. **Rivals** [vRvLV⁺10]. **Robust** [Sta21, SW14, Zit10]. **robustness** [Glä10, Mal16]. **role** [ADD21b, BSW17, DK21, HCC12, MSL⁺14, SJGBMA17, Sma18, Tu21, WG10a, vdBHS17a]. **Ronald** [Pet18]. **room** [ADD19b, WvEVW16]. **Rooted** [GNZ⁺19]. **Rousseau** [Pet18]. **RSS** [LAT07, PTA07]. **rural** [CFvL19].

Saint [SG12]. **Same** [AD15a, Dan16, GAD19]. **samples** [BM13b]. **Sampling** [WB16a, WB16b, Cla16, KRM14, Mut16]. **Sandström** [Lin18c]. **SAO** [YHS18]. **scalable** [CSH18]. **scale** [ACD11b, Ant18, BW17a, BL17, BK14, BvECW18, DBS15, DGV18a, GG09, GGSG10, MMCvLLC18, PSA21, RA15, SKK15, WW16, YRYyBL14, ZH18, ZLR16]. **scale-independent** [GG09, GGSG10]. **scales** [CH15, Egg10a, Glä07, Vii17, Vii18]. **scaling** [ACD12b, ACD12c]. **schemas** [BHH⁺07]. **scheme** [DU21, ZWG⁺19]. **schemes** [KK15]. **Scholar** [OA13, AJ13, CB19, FC10, AN18, BMS⁺09, HMBI17, KT19, MMOMHLC17, MMCvLLC18, MMOMTLC18, MBIH16, MT10]. **Scholar-based** [MT10]. **scholar/journal** [CB19]. **Scholarly** [YSPW09, AF17a, BZL19, BGS19, BS13, BNbH17, CBT21, DCG⁺19, KRM13, KYC12, KT19, SKLR16, WCG21, WLLL18]. **scholars** [AAH11, DFCGB15, FC17, dIVV18]. **schools** [ZZN19]. **Science** [APF09, SSAGB11, XWZL21, AC09, AC17, BB11, BI10, BFS11, BS09, BD07b, BW11, BLWSE11, BL12, BSdMAM16, BK08, BPU⁺14, BK14, BFM⁺18, CA11, Dan16, DG21, DHLW17, DLGT19, Gar09, HRL12, HR18, HYC15, Ke21a, Kos15, Kos08, Lat21, Let16, LW08, LSW⁺10, LZR15, LHTW15, LK17, Mag12, MJ13, MMY17, Meh19, MSL⁺14, Mil15, MN15, NLK⁺21, NF12, NO07, PYWH15, PPPF18, PSYCH19, PPG⁺15, PRRC17, PB16, RCW15, SDAJ17, SJZ⁺19, SAB⁺16, Sku09, SWHC15, TB18b, The19a, Tsa14, Van13, Wal14, WTvE11, WG12, WW15, XWY⁺21, XMLM21, YDCL13, YW15, YHWZ16, YW17, YXX⁺17, ZWM17, ZS08, ZY17, vdBHS17a, AYL14, AN18, BMS⁺09, BL17, FMM16a, GP11, GAB11,

GMFGVZ16, LR12, LQLJ14, LHT18, LidMAM08, MMOMTLC18, NO07, PRRC17, The18a, WW16, ZH18, CH14, FH13]. **science-based** [SWHC15]. **science-technology** [BK08]. **science/computer** [LK17]. **Sciences** [VE14, ADR13, BAL18, Fra10a, FJW⁺15, Ley17b, SW14, TSM09, VW16, XIYcG18].

Scientific [BKK09, CB19, Din11b, FMM14, Gag13, HR16, LY18, Mar15, Mar16, WH15, AD18, AD21, ADD21b, ACHVH09, AN18, AF17b, BSHK21, BRA19, BLV10, BSdMAM14, BH15, BvECW18, BvR11, CMN08, CCL16, CTGM15, CXMR07, CCH⁺09, CTDM17, CW18, Coc08, CSdFCA17, DLM⁺17, DFCGB15, DMS18, DKK⁺17, ES15, Fin14, FM10b, FM11b, FM14, FJW⁺15, GHP21, GPGBMA10, GBMA12, GWMP16, GW17, GHS21, HMBI17, HDY12, HDT⁺13, HGJZ17, HCL13, HCC12, IPS21, KFM⁺15, Ke18, KK12, Kos11, Kos12a, LLH12, LRWY13, LBD⁺19, LAL09, MEG⁺16, MMCvLLC18, Moe10b, OA13, OG13, PCPG17, Per10a, Per10b, PRCRVQ⁺09, PSI⁺17, QLS21, QCVQdMA10, RC12a, RWB17, Ron18, RCC14, RCC18, SKLR16, SJGBMA17, San11b, San13a, San14, Sch13a, SYP⁺16, SKY⁺19, SROdFC13, SAB⁺16, SC21, SRZ19, Sol07, SG12, SFCK19]. **scientific** [SDL16, Tan13, TWH08, VG10a, WRB⁺11, Wal12, WWW10, WG10a, WWML14, WHLT18, WRA⁺21, Woe08b, Wu15, XMM14, YDCL13, YZ15, YLZ18, YXX18, YXXW19, YAL21, ZH18, ZWBA21, ZWG⁺19, dIP11].

Scientist [ZZL⁺21, AD15c, BBMP12, FM10a, WXP⁺12, WPZ⁺13, ZBK⁺21]. **scientists** [ADM13a, AD15b, ACD15, ADS16, BAGADF15, Dan16, DFCGB15, FM11a, LYZ⁺17, Mar17, RGSM⁺19, SW13, SGK16, TN18, Van12a, WXP⁺12, WHLT18, ZWZZ21]. **scientograms** [QCVQdMA10].

scientometric [Abr18, Cso18, GPNA13, Mag13]. **scientometricians** [Vin12]. **Scientometrics** [Gar09, VS13, Bor14b, FHH09, GL11, Glä10, Ley13a, Vii18, WvEVW16, LBMM14]. **SCIImago** [BdMAL12, GNBVQ⁺14].

Scopus [MCD16, BMS⁺09, BLWSE11, ED15, FMM16a, FMM16b, GMFGVZ16, HL19, Ley13b, LQLJ14, LidMAM08, MMOMTLC18, Meh19, MBIH16, MdMAGBLI21, The17b, The18a, The18b, VZAMMFAB15, WW16].

score [BH16a, BH16c, BHM21, LTH18, Lun07, RY12b]. **scores** [AD16a, BM15, Egg10a, Glä07, GHS21, TF15b, TN18, Vii17, Vii18, Wal14].

Scoring [BGCL07]. **Search** [TS12, ZWM17, BM18, JZ21, Ort14]. **searches** [The18c]. **Searching** [ZY16]. **Seats** [BB11]. **secondary** [Hag14b]. **section** [The19b, Wal16c, Wal16d, Wal17b]. **securing** [DK21]. **select** [LLH⁺21].

selected [UK16, WG10b]. **Selecting** [CX16]. **Selection** [vdB12, BW17a, BW17b, HTX⁺18, LLH⁺21, Pet17]. **Self** [SC21, WH15, ADD21a, Fra07, PML21, Vii16, YYW14, vdB12].

Self-assembly [WH15]. **self-citation** [Vii16, YYW14]. **Self-citations** [SC21, ADD21a, Fra07, PML21]. **self-service** [vdB12]. **Semantic** [SHD15, AKML18, LW11, PL13, TD10]. **semantically** [CSH18]. **semi** [BHH⁺07]. **semi-automatic** [BHH⁺07]. **seminar** [RW10]. **SemPathFinder** [SHD15]. **senior** [Hag14b, VW16]. **seniority** [Kos09].

seniority-independent [Kos09]. **sensitive** [XMM14]. **sensitivity**

[ACD12e, ACD12d, Mal16]. **sensitized** [WHW⁺14]. **sentences** [KJS16]. **Sentiment** [PT09, CLC11]. **separately** [The19b]. **Sequence** [LY14]. **sequences** [ER19a, RXL15, WLH11, YR08]. **series** [HRC11b, LR08, RSRP19, RH13, Vas09]. **Service** [vdB12, OA13]. **Services** [GWMP16]. **sessions** [OA10]. **set** [Kos12a, RY12b]. **Sets** [CLHHVH11, BL14, LRWY13]. **setting** [Egg10b]. **Sex** [Luo21]. **shape** [KHC11a, KHC11b]. **shapes** [AF17b]. **Shapley** [DLM⁺19, Kar14, M eg18]. **share** [TF17b]. **sharing** [Kar14, LRG13, PW19, PC10]. **short** [Mag12, RSRP19, WZ21a]. **short-** [WZ21a]. **short-term** [Mag12, WZ21a]. **shortly** [BLW14]. **Should** [ACD15, BHM21, The19b, BLW13, Cla16, Csa21]. **shoulders** [ADX⁺17, ZZN19]. **shrinkage** [YKKS16]. **side** [BH16c, JXYS21, Ley17b, Zit10]. **SIF** [RXL15]. **signatures** [MAS14]. **significance** [BW13, Sch13b]. **significant** [H ur15]. **signs** [DLH⁺21]. **similar** [CGF +19, GP12]. **Similarities** [BGGB13, Che17]. **Similarity** [NMNJM13, AC09, SRP15, WZ14, ZSH⁺16, ZY21, dSSOH07]. **simple** [BSK10, Don17, Egg08a, FSZB15, LPM16, Mil13]. **simulation** [The16f, vZ13]. **single** [CH14, RS10b]. **single-author** [CH14]. **single-relational** [RS10b]. **SIR** [BdMA11]. **Sirtes** [RC12b]. **site** [YZ18]. **sites** [Ort15]. **six** [HW14, Ort18, WZ14]. **size** [AD16b, AD16c, BBL19, Bur07b, CCC⁺18, CW18, GTD16, Wal16c, Zit16]. **size-independent** [AD16b, AD16c, GTD16, Wal16c, Zit16]. **size-related** [CCC⁺18]. **sizes** [PSZZ12]. **SJR** [AW14, GPGBMA10]. **SJR2** [GBMA12]. **Skewed** [MD12]. **skewing** [LT13]. **Skewness** [BL17, ADS17, RCC14]. **skyline** [SGKM16]. **sleeping** [HY21, LSZY14]. **Slovenia** [Per10a, Per10b]. **small** [BP11, CG10, Jal11, KP13, Let16]. **small-worldness** [Jal11]. **Smirnov** [KMS21]. **Smolinsky** [BHM18, BHM19]. **SNIP** [AW14, Ley13b, Min14, WvEvLV13]. **Social** [HY21, AAH11, CBT21, CRS14, DG21, Fra10a, HS11, KK12, Let16, Ley17b, LHTW15, Mar17, NO07, Ort15, PL13, SAP18, TD10, TSM09, Tu21, VW16, Wal14, YZ18, ZDJ⁺16, VE14]. **Socializing** [CMMT13]. **socialomics** [SX21]. **societal** [Bor14c, BHA19, CLR⁺17]. **Societies** [FM14]. **socioacademic** [RP08]. **sociology** [MS09]. **Software** [MMY17, Gar09, LCY19, PYWH15, PSYCH18, PSYCH19, PW19, vEW14]. **solar** [WHW⁺14]. **solitude** [BHCH17]. **Solution** [ER19b]. **Solutions** [MD12]. **Some** [AS17, BILL07, Bor10, BdMA11, Bur08, DLGC13, GTD16, Mut16, WvE08, WvE09, WvEvL⁺11, WvEvLV13, RH13, San15, SMP12, BL12]. **Source** [DG21, BK14, HMBI17, Laf07, LA15, RGMJC17, RC14]. **source-effort** [LA15]. **source-item** [Laf07]. **sources** [BMD08a, LSW⁺10, LRWY13, Ron18, VY13]. **Spatial** [FHH09, Cop19, Cso18]. **Special** [Wal16c, Wal16d, Wal17b, LR08]. **specialisms** [CFvL19]. **specialization** [DBS15]. **specialized** [ADD19a, Ron12, Ron13]. **Specialty** [dNL15, Ron18]. **specific** [AF17b, BSdMAM14, HGJZ17]. **specification** [Ley13a]. **specificity** [CW18].

spectra [LSZY14]. **Spectroscopy** [LBMM14, CCL18, TMLB16, CH15].
spectrum [FM10b]. **Speed** [EBG11, TLD⁺21, BD10b, BD10a]. **spillovers**
 [ADD21a]. **splitting** [HSMB18]. **square** [RC12b]. **squares** [Egg10b]. **SSCI**
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staff [ADS16, RA15]. **stage**
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statistics [KRM14, Khr09, LAT07]. **step** [ER19b, GBMA12, Woe14].
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 [LWB19b]. **Stochastic**
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Strange [GP11]. **strategic** [Coc08]. **strength** [ADS16, ZYCK12]. **strengths**
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Structured [FM11b]. **structures** [LBSA13]. **studies**
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 LSZY14, LZR15, LY12, LRG13, LY14, LHT18, LLH⁺21, MÉVQR21, Ort18,
 PYCH18, Pen15, PSI⁺17, PC10, PB16, QLS21, Sch10a, Sch13c, Sch13d,
 Sch15, TMK16, Tan13, TSM09, WG10a, WHW⁺14, WJW⁺19, WG10b,
 WLH11, XIYcG18, YDMS12, IYRyYbL14, YHS18, ZZL⁺21, vZ13, vdBS15].
stylised [GHvdB⁺14]. **sua** [Kos12c]. **Sub** [FM14, HRC12, RXL15, WYLL18].
Sub-field [FM14, HRC12]. **sub-group** [WYLL18]. **sub-impact** [RXL15].
subfields [Wal14]. **subgraph** [HDT⁺13]. **Subject**
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subjective [Wal17a]. **subjects** [ADD19b, PT08, TW14a]. **subset**
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suburbs [BP11]. **Success**
 [SYW18, Egg14, MRBI17, Rou14a, FGMM12, FGMM13]. **success-index**
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 [BSdMAM16]. **successive** [Tol08]. **such** [Bor19]. **Suggestions** [PMAT13].
Sugimoto [vL18]. **Suitability** [HMBI17, The18c]. **sum**
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supercomputing [BFS11]. **superstar** [SCBB11]. **support**

[BHH⁺07, MJB11]. **supported** [LY19]. **supposed** [GL11]. **suppressing** [VMWM17]. **surname** [AD17a, AD17c, Web17]. **survey** [SD11, WPZ⁺13]. **surveys** [SB13, SAB⁺16]. **survival** [LHWS18]. **Survive** [LHWS18]. **sustainability** [WG12]. **sustainable** [WRA⁺21]. **switching** [DFHCT21]. **symmetry** [Woe08b]. **synergy** [MJB11, Mège18]. **Synthetic** [PRCRVQ⁺09]. **System** [BGR21, ADS11, GG09, GGSG10, HHAL17, KSJL15, KKK17, LW17, Mège18, PCCN21, RLY12, RC14, ZDJ⁺16]. **systematic** [GSV⁺21, MMOMTLC18, SG07, VZAMMFAB15, WvE13]. **systems** [AS17, ACD12a, ASG12, BDR14, CZG16, Egg11, EI10, Gol14, LBSA13, LRC13, MRR13, PRRC17, RCW15, SV18, Wal17b, WW16, dMAGBLIM18].

table [BB11]. **tables** [ZZ21]. **tagging** [ZDJ⁺16]. **tail** [Bur13a, zChHY13, GP12, GS10, KHC11a]. **tails** [LRWY13]. **taking** [WZ21a]. **talent** [TLD⁺21]. **task** [CJF⁺15, Dan16]. **task-force** [CJF⁺15]. **tat** [AD17b, BCGM17a]. **Taverna** [GWMP16]. **Taxonomy** [BHH⁺07]. **teams** [LHC14, WH15]. **Technical** [AORC11b, AORC12b, FM14, LRWY13]. **technique** [JS14, TMK16]. **techniques** [AA19, ETGS21, MRR13].

Technological

[HHC14, PY18, RNB18b, HCC12, Ke18, KHC18, PCPG17, ZYCK12]. **technologies** [TMK16]. **technology** [AKML18, BK08, CHHL11, DHLW17, DLGT19, HR18, HCC12, HYC15, JW17, JKHS21, KS16, Ke21a, KG07, Kos08, Lat21, MSL⁺14, NLK⁺21, PY18, WG12, WW15, XWY⁺21, XMLM21, YHS18]. **temper** [HCZ21]. **Temporal** [BM21, CFK21, JS14, KYC12, KCH21a, TS16]. **TeraGrid** [BFS11]. **term** [ADF19, DU21, Glä07, Mag12, RSRP19, SLW15, TN18, WZ21a]. **terms** [BL12, BAL18, Sch14b]. **territorial** [AD15b]. **territories** [CFvL19, KE17, YAY⁺16, YAY⁺17]. **test** [BHA19, DGV18b, Jar07b, KP13, Ma12, Sir12]. **Testing** [DR19, RC12a, KdBOK15a]. **tests** [Sch13b]. **text** [BvECW18, Che17, DU21, Khr09, PWY21, PYWH15, PYCH19, SAB⁺16, WZ21b]. **texts** [DLGC13, FCAD21, LAL09]. **textual** [BL15]. **TF** [DU21]. **TF-MONO** [DU21]. **Theil** [WYLL18]. **Their** [KCH21a, ADR13, ADM17, AOdFC12, BDR14, BAGADF15, BSMD12, Bor19, BvR11, Cam14, Che17, CRS14, CFvL19, CA11, Dan16, ER19a, FM14, HKK18, HR18, KHC13, KHC18, LTH18, LY19, LF21, OA10, OLR11, RY12b, RH13, SYP⁺16, TB18b, Tsa14, WW15, ZBK⁺21]. **them** [Dem18]. **themes** [McC10, Per10c]. **Theorem** [Ant18]. **theorems** [Smo21b]. **Theoretic** [BGS21]. **theoretical** [And17, Vii16, WvEvL⁺11]. **theory** [Bur08, CCH⁺09, EP07, Egg07a, LRE17, Mège18, Per17b, SAP18, CLHHVH11]. **therapy** [RYY10]. **There** [Cla16, GL11, MBD17, The16b, YXX18]. **thing** [TBTB19]. **things** [Luo21, TMK16]. **Things-related** [TMK16]. **Three** [AOdFC12, The17c, AL17, BAGADF15, CX16, HHAA16, PYCH18, PVH21, WYLL18]. **three-dimensional** [AL17]. **Three-feature** [AOdFC12].

three-stage [WYLL18]. **thresholds** [Sma09]. **tie** [Pen15]. **tie-generative** [Pen15]. **tier** [SCMG16]. **Time** [Fia12, HRC11b, JS14, ACD12e, ACD12d, ADD21a, Ada18, BDR14, BL15, DGDG13, Fin14, HKK18, HW14, LR08, LF21, MR13, MMZ16, RSRP19, RH13, Sch13d, Sch15, TF15b, Vas09, VAdFC13, WZ18, XMM14, YW17]. **Time-aware** [Fia12]. **time-balanced** [MMZ16]. **time-dependent** [HW14, Sch13d]. **time-trend** [Ada18]. **time-varying** [VAdFC13]. **timed** [Sch15]. **timelines** [PTA07]. **TimeRank** [FC17]. **times** [BM13a, DGDG13]. **timetable** [WXP⁺12, WPZ⁺13]. **Timing** [KHC18]. **tit** [AD17b, BCGM17a]. **titles** [Ron18]. **titles** [BvR11, TSM09]. **to/from** [ZBK⁺21]. **together** [Tan13]. **tolerance** [Jal11]. **too** [The16b]. **tool** [AC17, FM10b, QCVQdMA10, TD10, TSM09, vEW14]. **tools** [FM11a, KK12, PYCH18]. **top** [ADS11, ACD13a, ADS16, AZS⁺14, BBMP12, CAL15, CH14, ED15, GP12, LWB14, Lin18a, Lin18b, SCMG16, Tsa14]. **top-1** [LWB14]. **top-10** [LWB14]. **top-cited** [CAL15, CH14]. **top-rated** [ED15]. **top-scientist** [BBMP12]. **top-tier** [SCMG16]. **Topic** [XWY⁺21, CTDM17, DGDGSPSV14, HTLC21, JLYM16, JS14, JY21, KB17, LDS⁺12, SAB⁺16, XZDS21, YKKS16, ZLL⁺18]. **Topic-linked** [XWY⁺21]. **topic-model-based** [HTLC21]. **topical** [AYL14, Din11a]. **Topics** [YDMS12, HLB⁺19, HLB⁺21, KBCR10, LYZ⁺17, LZR15, MN15, SA18, TBTB19, XHA⁺21, Yan14]. **Topological** [Din11a, RDF⁺18, BKK09]. **Topology** [LDS18, AOfc12]. **Topology-driven** [LDS18]. **Total** [LLH12, MSPD16, YR08]. **trace** [LYZ⁺17]. **Tracing** [YDS⁺15]. **Tracking** [WHLT18, PT08]. **trading** [YDCL13]. **traditional** [SMP12]. **traffic** [VY13]. **Trajectories** [WW15]. **Trajectory** [JHK⁺16]. **transfer** [RJDD08]. **transformation** [Ley12]. **Transformations** [LR07, Egg08a]. **transition** [GGSG10, HR18]. **transitions** [BKK09]. **transitivity** [IPS21]. **translation** [DLGT19]. **transmission** [Mêg14]. **transparency** [VZMFAB16]. **tree** [Kos13b]. **trees** [JLYM16]. **trend** [Ada18, HCC12, LDS18, YHS18]. **trends** [BSHK21, ETGS21, JSSK14, JHK⁺16, KYC12, LJM13, SGGMF18, VZMFAB16]. **triad** [FM10a]. **triadic** [Pen15]. **triads** [dNL15]. **trial** [TLD⁺21]. **trial-and-error** [TLD⁺21]. **tribes** [CFvL19]. **tribute** [Sma17]. **tripartite** [WJW⁺19]. **triple** [Mag12, Mêg14, Mêg18]. **Trojan** [DCM21]. **truncated** [KSS16]. **Tsinghua** [ZL11]. **turnover** [ADR16]. **tutorial** [GWMP16]. **tweeters** [YXXW19]. **tweets** [YXX18, YXXW19]. **twenty** [AZS⁺14]. **Twitter** [DMS18, YKKS16, YXX⁺17]. **Two** [BMD10, NO10, RH13, Smo21b, ADZ18, CT16, DN17, EI10, Let16, MD12, PPFKB19, SSAGB11, XIYcG18, IYFyS18]. **two-mode** [DN17]. **two-stage** [XIYcG18, IYFyS18]. **type** [BI10, BD07a, BD09, Bur08, EP07, Egg08b, Egg10b, Egg10a, ER19a, ER21, GS10, JSSK14, Kos09, Kos10a, Kos10b, PSA21, San14, SMP12, SG07, Smo21b, Vii16]. **typical** [Wal17a].

U.S. [HCC12]. **UK** [BAL18, BHA19]. **Ulrich** [WHL17]. **un-published** [Fra09]. **Unbiased** [XMLM21]. **uncertainty**

[ADG15, ADG16, CSH18, Ley13a, Sma18, ZSWD17]. **Uncited** [LZR15, LRWY13, The16b]. **uncitedness** [Bur13b, Egg13a]. **Unconnected** [TMK16]. **Uncovering** [HHAL17, LHTW15]. **under-cited** [HR16]. **underlying** [The17a]. **understand** [Vas09]. **Understanding** [CTGM15, CTDM17, HLSH17, LHC14, QLS21, CMN08, KD15, WRB⁺11, vEW09]. **undirected** [HLR17]. **Uneven** [MSPD16]. **unified** [WvEN10]. **uniform** [Hür15]. **Uniformly** [TBM⁺19]. **unintended** [KG07]. **Union** [LWB14]. **United** [LWB14, Yur17a]. **units** [Coc08]. **unity** [Vin13b]. **universal** [LAT07, Wu13]. **Universality** [KRM13, DR19]. **universities** [ACD11b, ACD12a, ADS16, AAD21, BHCH17, BSdMAM14, Bor19, DBS15, PRRC15, Wu15, YZ18, IYFyS18, ZZL⁺21]. **University** [vL18, ADS11, ACD13a, AD15a, AD16a, ADG16, BC16, CCC⁺18, DFFBR16, EGR18, FZDW15, FHH17, Hic17, LHC13, Mèg14, Mèg18, MdMALIV11, WYLL18, ZL11]. **university-industry** [FZDW15]. **unknown** [SHD15]. **Unpacking** [Wan14]. **unproductive** [ACD13a]. **Unraveling** [HGJZ17]. **Unravelling** [DFCGB15]. **Unsupervised** [CJF⁺15]. **Untangling** [MS09]. **unused** [Mèg14]. **unusual** [BTZY21]. **Unweighted** [Wal17a]. **upper** [Hür15]. **urban** [CFvL19]. **URL** [KK13]. **USA** [Kos08]. **usability** [MN15]. **usage** [HS11, HKA⁺09, PYCH18, YDS⁺15]. **Use** [BW17b, DFCGB15, HKA⁺09, AL17, BM13b, BLM13, BL14, BH15, BH18, KRM14, MMOMHLC17, Pet17, TN18, Vin14, Wal12, Wal16a]. **used** [BW17a]. **useful** [BD10b]. **user** [AF17a]. **users** [SX21]. **Using** [KE17, KTR10, Meh19, RGSM⁺19, SAB⁺16, Vas09, WZ21b, YAY⁺16, YAY⁺17, ASG12, BGCL07, BD07a, BMS⁺09, BW11, BP11, BW13, BL13, Bor14c, BM16, BK08, CHHL11, Cop19, DVG16, DGV18b, ER19b, EGR18, FC17, FHH17, GHP21, GWMP16, HSMB18, HTLC21, HCS19, JSSK14, JXYS21, Khr09, KJS16, KHC11a, KHC13, LBSA13, LHWS18, MT10, NLC17, NPS13, OOB10, RCW15, Sch13b, SW12, SDAJ17, STP17, Sma18, SAP18, Van08, WZ14, XZDS21, XIYcG18, YAL21, ZWBA21, ZYCK12, ZY16, vZ13, BSdMAM14].

validation [BHH⁺07, BD07a, BL13, BTZY21]. **Validity** [Bor14c, BMS⁺09, BD10a, BHA19, vdBS15]. **value** [BO19, DLM⁺19, GAD19, HJ15, Kar14, Mèg18, Moe18, The16e]. **values** [BLW13, Mal16]. **valuing** [HM21, BGS19, GAD19]. **Vanclay** [But11]. **variability** [SLNC13]. **variable** [BMD08a]. **variables** [AF15, GPNA13]. **variant** [Zit10]. **variants** [ACHVH09, BP11, BMHD11, GR09, NJFD14, Sch10c, SMP12, The16b]. **variations** [TS16]. **variety** [LWB19b]. **varying** [ACD11a, CW18, VAdFC13]. **venues** [AF17a, ZW21]. **versus** [AD17b, BCGM17a, KFM⁺15, Ley12, PRRC15, SKLR16, Yur16, ZG12]. **very** [KP13]. **via** [CB19, MD19a, RZLC21, ZZ21]. **view** [GGSG10, YDCL13]. **Villar** [AHRCV17]. **Vincent** [vL18]. **visibility** [AOdFC12, HM21, RJDD08]. **visible** [HR16, LTH18]. **visited** [ZDJ⁺16]. **visits** [OA10]. **Visual**

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 ZY12, PPFKB19]. **weighting** [DU21, ZWG⁺19]. **weights** [Kar14, PML21].
Welcome [Egg07b, Siv16]. **were** [BMS⁺09]. **Where** [HCL13, BFS11].
Which [BL12, BLW13, BM15, BH15, DT13, LTH18, NZZ⁺16, PS13, TS16].
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whole [ASG12, Wal17a]. **whom** [KdBOK15a, KdBOK15b]. **whose**
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 [Mut16, Nan16, Pet17, Sch16]. **window** [ACD11a, Sch15]. **windows**
 [DGDG13, AZS⁺14]. **winners** [San15]. **winning**
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