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Title word cross-reference

² [BXF⁺20]. *B* [LK20]. Δ [TC18]. *k*
[BBC⁺19, GEG⁺08, MKGV07, MM12,
SCS20]. *L* [MKGV07]. *N* [ML15, CBRB09].

-anonymity [MKGV07]. **-ary** [CBRB09].
-center [GEG⁺08]. **-Core** [SCS20].
-diversity [MKGV07]. **-hypergraphs**
[LK20]. **-Means** [MM12].

2006 [BBD⁺07]. **2007** [MG09]. **2008**
[MG09]. **2009** [Wan10]. **2011** [GSTC12].
2012 [ACPW13]. **2014** [WL16]. **2016**
[Agg17].

ABRA [RU18]. **Accuracy**

[MM12, XYW⁺20]. **Accurate** [LNG18,
LJK18, SHF18, SOK⁺20, YWDP16, Kor10].
ACM [ACPW13, BBD⁺07, GL15, MG09,
WL16, ZPSYY10]. **Across** [JH19, MAHT18,
WYWY19, ZTL15a, BGJV12]. **Action**
[HLC19, YLHY20, VALF12]. **Active**
[BIPR13, CWF⁺13, Dor19, HHZ⁺18, WY15,
BG09]. **Activity** [CYT⁺17]. **adaptation**
[CSF⁺12, TLZ⁺08]. **Adaptive**
[AKM18, DGB16, KBR⁺16, LTN⁺08,
NWW⁺20, XXZ19, ZLZ⁺19]. **Addendum**
[vLCV⁺19]. **Addition** [Pap15]. **Address**
[CG15]. **Addressing** [RCM⁺13]. **Adjusting**
[RKC19]. **Adopter** [ZWH⁺16].
Adversarial [DKSL18]. **Advice** [HHZ⁺18].
Affect [ACE20]. **Against** [AKM17].
Aggregated [HYYQ15]. **aggregation**
[GMT07]. **Agnostic** [WJR⁺10]. **Air**

[WSDL19, XZSY19]. **Algorithm** [BBK19, Con20, FKKD17, JSP15, LWY16, MHS20, WSZZ14, AF09, Vad10, WC12]. **Algorithms** [AK15, AKM20, BGSW13, CCV19, CPC10, DA18, GBGL20, GJ16, GSWJ20, LCCM19, ME11, SHF18, SGCH19, WZL⁺16, BBCG10, GEG⁺08, ZZW09]. **Alignment** [BGSW13, MAHT18, ZTT⁺20]. **Alleviate** [CC19]. **Allocation** [ZP15]. **Alzheimer** [LCG⁺18]. **AMS** [JH19]. **Analysis** [ACE20, ABS19, BHW⁺17, CLG⁺19, CNZ⁺17, HLCR20, LSF18, LAN⁺18, LZP⁺15, LWG⁺16, NWW⁺20, STD⁺18, WQZ⁺16, XL15, YHL15, ZZY16, ZCZQ19, CRST09, DD09, DAR09, GEG⁺08, LNR08, LTN⁺08, STP⁺08, ZLT09]. **analytical** [DD09]. **Analytics** [AT17, CKC⁺18, LQW15, SGCH19, WLP18, vLCV⁺18, vLCV⁺19]. **Analyzing** [KUU10, LCZ⁺09, ASHK14, DD09]. **Anesthesiologists** [MMMJ16]. **Annotation** [BFRL13, PL10, MXC⁺07, YCJK08]. **Anomalies** [CNZ⁺17, DWD⁺20, PA18]. **Anomalous** [CYT⁺17, WWHW19]. **Anomaly** [Ang20, GJDX14, HQYY14, KBR⁺16, LNG18, LTZ12, LCN14, RA16, SFDW19, WJR⁺10, YHL15]. **anonymity** [MKGv07]. **Anonymization** [MFHL10]. **Anonymized** [WFW⁺11, LNR08]. **anonymizing** [CGL18]. **Answering** [BWD10, MSC⁺19, ALB09]. **App** [LWG⁺16, LCF19]. **Application** [DPDG18, MM12, SHL19, SDS18, CSF⁺12]. **Applications** [AHGA14, GBGL20, LYWL12, LSF18, LK15, NGB18, WZL⁺16, ZH16, CT14, GEG⁺08, STP⁺08]. **Applied** [QSS20, HAKU⁺08]. **Approach** [AKM18, BPW⁺18, CGZW16, CRGP14, CTZ16, DA19, HCZ⁺14, JV20, JCB⁺16, JYD19, KN18, KHTR18, LYL⁺20, PL10, RTM18, TYZZ10, WYG⁺17, XML18, XSZY20, YZH⁺18, YDS⁺15, ZY14, BG09, CX10, Web10]. **Approximate** [KN18, KRBK19, SCS20]. **Approximating** [ME11, RU18]. **Approximation** [HP20, HSBH19]. **Arrays** [dVKCC11]. **Art** [CPC10]. **Articles** [SG12]. **ary** [CBRB09]. **ASCOS** [CG15]. **Aspect** [ZCZQ19]. **aspects** [CT14]. **Assessing** [AKM17, GMMT07, WWHW19]. **Assessment** [LWLW18, MMMJ16]. **Assignment** [ADK⁺16, GSWJ20]. **Assignments** [CO18]. **Association** [RU14, YWR⁺19, Bal13, HDC07, ZZW09]. **Associations** [WV14, Web10]. **Assurance** [CTZ16]. **Asymmetric** [CG15]. **ATR** [MCS⁺18]. **ATR-Vis** [MCS⁺18]. **Attention** [ACE20, LRK⁺19]. **Attentive** [XSZY20]. **attraction** [TC09]. **Attractiveness** [GSI19]. **Attractor** [SYD⁺16]. **Attribute** [CZY11, GEG⁺08]. **Attributed** [CZY11, PA18, SHH⁺20, XKW⁺14]. **Attributes** [MYB19, MA16, SZLP16]. **Attribution** [KSV⁺16]. **Augmentation** [HLC19]. **Author** [MHKG19, TS09]. **Automatic** [BMTT18, ZGC18]. **Averages** [RU18]. **avoidance** [KRPS12]. **Aware** [HZZ⁺15, HYYQ15, LHW⁺20, QCD⁺19, ZP15, ZCZQ19]. **axiomatic** [JLL14].

background [KUU10]. **Badges** [KHTR18]. **Balance** [CZY11, XYW⁺20]. **Balancing** [IKK19, KCL⁺20]. **Based** [AF13, BHW⁺17, BBK19, CWF⁺13, CLG⁺19, CLT⁺20, FCWQ17, GZXF16, HZZ⁺15, HSS⁺17, HQYY14, HYYQ15, HCC⁺18, HXY⁺19, HF12, KN18, LYG⁺19, LTB18, LTZ12, LZD16, MDV11, MM12, WSZZ14, WQZ⁺16, YCC⁺15, YTW⁺16, ZLT⁺15, ZZY16, ZWG⁺19, ZFWC18, ZL15, ZPC⁺16, AF09, APU09, DA19, DD09, HGV⁺08, II08, KKZ09, LK20, LTN⁺08, TC09, WND⁺09, WCL19, WWW⁺20, ZCS10]. **Batch** [CWF⁺13, WY15]. **Bayes** [LLW16]. **Bayesian** [CSSP15, CZH18, Con20, CO18, GY15, GSWJ20, HCZ⁺14, JYD19, KRBK19, LGF10, OGAB14, PL10, WC12, XKW⁺14].

be [FWW⁺11]. **Behavior** [CYT⁺17, LLW16, XL16, APU09, ZFY14]. **Behavior2Vec** [Che18]. **Behavioral** [BGWSB19, CPC10, LSY⁺09]. **Behaviors** [Che18, JCB⁺16, LSZ⁺19, WWHW19]. **Bellwether** [CRST09]. **Benchmark** [AKM17, TDLM19]. **Best** [Agg17, WL16, GSTC12]. **Better** [LCWC20, TSRK20]. **between** [CZY11, MYB19, Web10, XYW⁺20]. **Betweenness** [LK20, RU18]. **Beyond** [BCK⁺18, MKGV07]. **Bidding** [LCWC20]. **Big** [AKM20, CTZ16, GSWJ20, RCM⁺13, SGCH19, TWCO16, YWDP16]. **BigChat** [TWC016]. **Binary** [DSL⁺14, LV18]. **bioinformatics** [ZKYW08]. **biological** [JMR08]. **Biomedical** [CTZ16, SMA⁺08]. **Bipartite** [WQZ⁺16]. **Birth** [MHKG19]. **Birthday** [JSP15]. **BISC** [CX10]. **bitmap** [CX10]. **Blocking** [KSM09, YLW⁺19, dVKCC11]. **Blog** [YWC⁺16]. **Bloom** [CXH⁺20, dVKCC11]. **Boltzmann** [JSG⁺19]. **Boolean** [MV14]. **boost** [Bal13]. **Boosting** [FH14]. **Bootstrap** [MM12]. **Bottleneck** [YLHY20]. **Bounds** [MSC⁺19]. **Bradykinesia** [LLL⁺20]. **Brain** [STD⁺18]. **Breaches** [FWW⁺11]. **Breaking** [LHN⁺20]. **Bregman** [GG08, ZL15]. **Browsing** [LGF10]. **bubble** [GG08]. **Budget** [LCWC20]. **Budget-Constrained** [LCWC20]. **Building** [RA16]. **Bundle** [LFC⁺17]. **Bursty** [CFP19, XZXW18]. **Business** [OLL20, XSZY20]. **Buying** [LFC⁺17]. **Buzz** [CYOL16].

Cache [TAJY17]. **Cache-Conscious** [TAJY17]. **Calibration** [TSRK20]. **Call** [YZH⁺18]. **Camouflage** [HSS⁺17]. **Can** [FWW⁺11]. **Cancer** [XKH⁺16]. **CANDECAMP** [PFS15]. **candidate** [THD⁺08]. **Cannot** [YHCL12]. **Capture** [MNK18]. **Car** [HXY⁺19]. **Cardinality** [AT17]. **Career** [Lap20]. **Cascade** [XZXW18, AGHN13]. **CASIN** [CT14]. **Catching** [JCB⁺16]. **Categorical** [IPM12]. **Categorization** [YLHY20]. **Category** [ZCZQ19]. **Causal** [CNZ⁺17]. **CBR** [GSWJ20]. **CenEEGs** [DPB⁺20]. **center** [GEG⁺08]. **Centrality** [BBC⁺19, CDSV16, LK20, RU18, SKSÇ17]. **Centralized** [MFHL10]. **Centric** [RTM18]. **CFOF** [Ang20]. **CGC** [CGZW16]. **Chain** [CCLZ18]. **Chains** [WSM⁺18]. **Chameleon** [BBK19]. **Change** [JYD19, CBLH12]. **Change-Points** [JYD19]. **Changes** [TC18]. **Characterization** [OLL20, WZL⁺15]. **Characterizing** [MRTW19, APU09]. **Chernoff** [PSFV13]. **Chinese** [YWC⁺16]. **CHIRP** [WAD12]. **Choices** [LWG⁺16]. **Chromatic** [BGG⁺15]. **Churner** [Row16]. **ciForager** [CBLH12]. **Circles** [BGC14, ML14]. **Citywide** [CLT⁺20]. **Classes** [WYWY19]. **Classification** [AGHN13, AF13, BES15, BAMK18, DPB⁺20, DPDG18, FH14, GY15, IKK19, JV20, JLD⁺19, JDE⁺12, LV18, LTB18, MA16, WSZZ14, WNH15, XXZ19, YHCL12, YDS⁺15, JTY10, LTN⁺08, MWF08]. **Classifier** [BC18, Dor19, JV20, TSRK20, WAD12]. **Classifiers** [AHGA14]. **ClassiNet** [BAMK18]. **cliques** [JP09]. **Closed** [CBRB09]. **Closeness** [BBC⁺19, CDSV16]. **Closure** [HDT⁺18, LTH⁺13]. **Cluster** [JV20, KBR⁺16, DAR09, GEG⁺08, LQW⁺18]. **Clustered** [CGL18]. **Clusterers** [AHGA14]. **Clustering** [BBK19, BGWSB19, BGJV12, BGG⁺15, CMZS15, CZY11, CGZW16, DA18, DA19, GMT07, GWZZ17, HYYQ15, IPM12, KKZ09, LQW⁺18, LHK⁺18, LF18, MDV11, MM12, MHS20, PGR18, PFTR16, PKH⁺17, SMK18, SYD⁺16, SNH⁺13, TLL⁺19, VSV15, WZL⁺11, WSR⁺16, WCS⁺18, XZYL12, XKW⁺14, ZZL15, ZZZY16, ZLD14, ZL15, ZH16, ZZZ⁺20b, BFPP07, CSZ⁺09, DG10, GG08, HGV⁺08, TC09, WND⁺09, YLHY20].

Clustering-based [DA19]. **clusterings** [CFD10]. **clusters** [GG08, KUU10]. **Co** [CGZW16, YLHY20, ZH16, DG10]. **Co-Clustering** [ZH16, YLHY20, DG10]. **Co-Regularized** [CGZW16]. **Codes** [WLC⁺17]. **Coevolving** [AK15]. **Cold** [CC19, ML15]. **Cold-Start** [ML15]. **collaborations** [AMIL13]. **Collaborative** [CTX⁺17, Dor19, HDQ⁺18, ZLC20, Kor10]. **Collections** [HLCR20, RBBV18]. **Collective** [BG07, DMI12, LTB18, NLG16]. **Combination** [TYZZ10]. **Combining** [AHGA14, GWZZ17]. **comeNgo** [ZCF⁺17]. **Commerce** [XML18]. **Communication** [VFA⁺15]. **Communities** [BWD10, CRGP14, CO18, LPK⁺15, PA18, SH15, KUU10, LCZ⁺09, MS09]. **Community** [BHW⁺17, BB17, CSG⁺16, DA18, HSBH19, LHK⁺18, LHW⁺20, LSS⁺11, NLZH20, PPSDBLP16, RKR18, Row16, SHH⁺20, ASHK14, ALB09]. **CommunityDiff** [DA18]. **Comparative** [HLCR20, WZLG12, WZLG13]. **Comparing** [PFTR16]. **Comparison** [MAHT18]. **Comparisons** [DYS20]. **Competitive** [YTL18]. **Competitiveness** [WQZ⁺16]. **Complements** [ZWG⁺19]. **Completion** [SGCH19]. **Complex** [CSG⁺16, HXY⁺19, DG10]. **Complexity** [LWZ14]. **Component** [CLG⁺19]. **composite** [WAD12, ZFY14]. **Compositional** [JMR08]. **comprehensive** [KT09]. **Comprehensively** [FCWQ17]. **Compressing** [SZLP16]. **Computation** [KRBK19, SKSÇ17]. **computational** [Bal13, CT14]. **Computing** [BBC⁺19, GJ16, LT10, YLL19, LSY⁺09]. **Concentration** [Ang20]. **Conditional** [WSC⁺17]. **Confidence** [LHZG13, Bal13]. **Confounder** [KCL⁺20]. **Connected** [TWCO16, GEG⁺08]. **Connecting** [SG12]. **Connectivity** [CCV19, Pap15, ZZZ⁺20a]. **Conscious** [TAJY17]. **Consensus** [LF18]. **Consistent** [LNG18]. **Constrained** [LYWL12, LCWC20]. **Constraints** [CCV19, GGLP15, PFTR16, GMSS13]. **Constructing** [KT09]. **Construction** [HXY⁺19]. **Consumer** [XL16]. **contamination** [KSM09]. **Content** [FCWQ17, GWZZ17]. **Context** [CO18, HZZ⁺15, HCZ⁺14, IPM12, LWLW18]. **Context-Aware** [HZZ⁺15]. **Context-Dependent** [CO18]. **Contexts** [ZFWC18]. **Contextual** [ACE20]. **Continuous** [KHTR18, SBZR19, YMPH20]. **Continuous-Time** [KHTR18, SBZR19]. **Convergence** [LLW16]. **Convex** [CNY⁺16]. **Convolutional** [CLT⁺20]. **Coordinate** [BNY20]. **Coordinated** [WSM⁺18]. **Coordination** [ABSP⁺18]. **Core** [GBGL20, LZD16, SCS20]. **corpus** [II08]. **corpus-based** [II08]. **correct** [BG09]. **Correction** [LSH20]. **Correlate** [MMMJ16]. **Correlated** [CLG⁺19, CBLH12]. **Correlation** [BGG⁺15, DSL⁺14, WLC⁺17, KKZ09]. **Correlations** [CNZ⁺17, SFP10, SJR08]. **Corruption** [ZLZ⁺19]. **Cost** [HO14, CRST09, Vad10]. **cost-effective** [CRST09]. **Cost-Sensitive** [HO14, Vad10]. **COTE** [LTB18]. **Counting** [AKM20, BCK⁺18, DERU17, LJK18, SOK⁺20, BBCG10, CX10]. **Counts** [CL18, JSP15]. **Coupled** [EC20, MHS20, WCS⁺18]. **Covariance** [GJ16]. **covering** [WAD12]. **CPU** [YLL19]. **criteria** [HGV⁺08]. **Cross** [BGJV12, CTX⁺17, ML15, WNH15, YLHY20, JP09]. **Cross-Dependency** [CTX⁺17]. **Cross-Domain** [ML15]. **cross-graph** [JP09]. **Cross-Guided** [BGJV12]. **Cross-Language** [WNH15]. **Cross-view** [YLHY20]. **Crowd** [CMQ19]. **Crowd-Machine** [CMQ19]. **Crowds** [WYX⁺16]. **Crowdsourced** [DYS20]. **Crowdsourcing** [ZYH19]. **CSNL** [Vad10]. **CT** [LSZ⁺19]. **Cube** [KN18]. **Customer** [LWW18]. **Cyber** [TYG⁺15].

Cyber-Physical [TYG⁺15]. **Cyclic** [LZD16].

Data

[AEEBEE20, AOEM17, ABSP⁺18, ABW20, AT17, AF13, BMTT18, BLW14, BC18, CMZS15, CKC⁺18, CTZ16, DSL⁺14, DGB16, EGT14, EC20, GZXF16, GSWJ20, HZL20, HH19, HXY⁺19, IPM12, KN18, KRBK19, KBR⁺16, LYG⁺19, LK15, LGF10, LCN14, LCLL17, MFHL10, QSST18, RCM⁺13, RKC19, RPT10, SBRE14, SGCH19, SLTA11, TL14, TYG⁺15, TAJY17, TWCO16, THB18, VSV15, WCS⁺18, WLW⁺19, WFW⁺11, WHMY17, XML18, XKH⁺16, XZSY19, XSZY20, YHCL12, YWDP16, YTW⁺16, ZJL⁺14, ZP15, ZH16, vLCV⁺18, vLCV⁺19, BG07, CCC09, CKMS08, DG10, GEG⁺08, GMMT07, KRPS12, KKZ09, MVT12, MWF08, TC09, VCKP08, WND⁺09, ZLT09].

Data-Aware [ZP15]. **Data-Driven**

[XML18]. **Database** [GZXF16, MMMJ16].

Databases [Lap20, CRST09]. **Dataset**

[SDS18, WYG⁺17]. **Datasets**

[LLW16, OGAB14, PGR18, TSRK20, WNC⁺18, AF09, JMR08, SSK⁺10].

De-anonymizing [CGL18]. **Death**

[MHKG19]. **Decentralized** [MSC⁺19].

decision [Vad10, VCKP08]. **Decomposable** [LZD16]. **Decomposition**

[GBGL20, ME11, PFS15, SCS20, Tat19].

Decompositions [SCS14]. **Deep**

[ACE20, CLG⁺19, HZL20, LL19, LSH20].

Defined [HQYY14, CRST09]. **Definitions**

[ZTT⁺20]. **Degree** [AEEBEE20, WQZ⁺16].

Deletion [YLW⁺19]. **Delivery** [LYG⁺19].

DeltaCon [KSV⁺16]. **Demand** [LYG⁺19].

Demands [WLW⁺19]. **Dense**

[RTG17, SHF18, GG08]. **Densification**

[LKF07]. **Density** [BLW14, CMZS15, HYYQ15, Tat19, THB18, WND⁺09, TC09].

Density-Aware [HYYQ15].

Density-based [WND⁺09].

Density-Friendly [Tat19]. **dependence**

[ZZ10]. **Dependencies** [FXG⁺16, LZD16].

Dependency [CTX⁺17, LK20].

Dependent [CO18]. **Deployment**

[SYLC16]. **Descent** [BNY20, WYG⁺17].

Description [MV14]. **Designing** [LNG18].

Destination [WYG⁺17]. **Detect**

[CYT⁺17, LSGZ19, IHS07]. **Detecting**

[TC18, WWHW19, YWC⁺16]. **Detection**

[ABSP⁺18, Ang20, BHW⁺17, BMTT18,

CMZS15, CFP19, HSBH19, HSS⁺17,

HQYY14, JYD19, KBR⁺16, LNG18,

LHK⁺18, LSF18, LHW⁺20, LTZ12, LCN14,

MCSZ20, NLZH20, PPDSBLP16, RKR18,

Row16, SBRE14, SFDW19, SHH⁺20,

WWW⁺16, WJR⁺10, XZXW18, YZH⁺18,

YHL15, CSF⁺12, KRPS12, ZP09].

Determinantal [QXBT16]. **Development**

[Row16]. **Developmental** [YCJK08].

Diagnosis

[CNZ⁺17, THB18, WLC⁺17, XKH⁺16].

diameters [LKF07]. **Different**

[ADK⁺16, WYWY19]. **Different-Sized**

[ADK⁺16]. **Differentially** [EC20].

Differentiated [KCL⁺20]. **Differentiating**

[CC19]. **Diffusion**

[GRLK12, RKR18, THRR16, WCL19].

Digger [LSGZ19]. **Dimensional** [MFHL10,

PGR18, WHMY17, XKH⁺16, KKZ09].

Dimensionality [MDV11, PSFV13, ZZ10].

Directed [BGC14, MRTW19].

disambiguation [TS09]. **disclosure**

[LNR08]. **Discounts** [XML18]. **Discovering**

[BWD10, BGC14, DWD⁺20, ML14, PA18,

SMA⁺08, SG12, SDS18, WSC⁺17, YWH⁺15,

ZJL⁺14, CBLH12]. **Discovery**

[CYOL16, GGLP15, LSS⁺11, LZD16, RU14,

SFP10, SLW⁺18, WV14, WSM⁺18,

ZPSYY10, RPT10, SSK⁺10]. **Discriminant**

[BXF⁺20, GCL⁺19b, NWW⁺20, WLP18,

LTN⁺08]. **discrimination** [RPT10].

Discriminative

[HF12, WZLG13, WY15, WZLG12].

Discussions [MCS⁺18]. **Disease**

[LLL⁺20, LCG⁺18, WLC⁺17].

Dissimilarity [IPM12]. **Distance** [ABS19, HZW⁺15, IPM12, AF09]. **distance-based** [AF09]. **Distinct** [VFA⁺15]. **Distributed** [Che18, CZH18, GJ16, KRBK19, MM12, MFHL10, PSP⁺18]. **Distribution** [CWF⁺13]. **Distributions** [JYD19]. **Diversification** [DA19]. **diversity** [MKGv07]. **Do** [LWZ14, MMMJ16]. **Document** [CKC⁺18, HLCR20, LGF10, NTNP18, QCD⁺19, WZL⁺11, WZLG13, WSR⁺16, WZLG12]. **documents** [THD⁺08]. **Doing** [MMMJ16]. **DOLPHIN** [AF09]. **Domain** [CGZW16, JXGZ19, ML15, CSF⁺12]. **Domains** [LV18]. **domination** [ZLT09]. **Dots** [SG12]. **Drift** [OLL20]. **Drifting** [RKC19]. **Driven** [AT17, BMTT18, PPDSBLP16, XML18]. **Drosophila** [YCJK08]. **Drug** [AEEBEE20]. **Dual** [WZL⁺16, WNH15]. **duration** [ZCS10]. **DWE** [JXGZ19]. **DWE-Med** [JXGZ19]. **Dynamic** [AK15, DERU17, JXGZ19, LNG18, RCM⁺13, RBBV18, RU18, RTG17, SBZR19, SOK⁺20, SCS20, THRR16, WC15, ZCF⁺17, LCZ⁺09]. **Dynamical** [CNZ⁺17]. **Dynamics** [ABS19, IYSU12, VFA⁺15].

E-Commerce [XML18]. **E-News** [VAFZ19]. **early** [CSF⁺12]. **Edge** [CTP⁺16, Pap15, WWW⁺20]. **Edge-based** [WWW⁺20]. **Edge2vec** [WWW⁺20]. **Editorial** [EK12, TWCO16, vLCV⁺18]. **Editors** [vLCV⁺19]. **EEG** [DPB⁺20]. **Effect** [KCL⁺20]. **Effective** [WLT19, CRST09]. **effects** [VALF12]. **Efficient** [BHW⁺17, BNY20, BBCG10, JSP15, LYWL12, LJK18, LWY16, MM12, RU14, TLZ⁺20, WV14, YLK13, YZH⁺18, ZZW09, AF09, CX10, HAKU⁺08, WC12]. **Efficiently** [WLR⁺14]. **ego** [ML14]. **Eigen** [CTP⁺16]. **Eigen-Optimization** [CTP⁺16]. **elements** [SSK⁺10]. **Embedding** [HLZH18, PZW⁺18, SHH⁺20, TLZ⁺20, WWW⁺20, ZWG⁺19]. **Embeddings** [JXGZ19]. **Emerging** [KP18, YDS⁺15]. **Emerging-Pattern** [YDS⁺15]. **Employing** [LWLW18]. **Encoding** [GSI19]. **end** [HDC07]. **Enhance** [BLW14]. **Enhanced** [AEEBEE20]. **Enhancing** [MDV11, XML18]. **Ensemble** [BC18, JV20, LQW⁺18, TLL⁺19, WCS⁺18, ZLD14]. **Ensembles** [AHGA14, LTB18, NGB18, RA16, DAR09]. **entire** [YCJK08]. **Entity** [AKM18, BIPR13, HCC⁺18, BG07]. **Entity-Based** [HCC⁺18]. **Entropy** [WSZ12, WSM⁺18]. **Enumerating** [PSP⁺18]. **Era** [TWCO16]. **Error** [AKM17, LSH20]. **Errors** [IKK19, LCZ07]. **Estate** [FXG⁺16]. **Estimates** [CMZS15]. **Estimating** [JSP15, WLR⁺14]. **Estimation** [BLW14, KCL⁺20, LYG⁺19, WSDL19, ZLZ⁺19]. **Estimations** [MM12]. **Estimators** [THB18]. **Evaluating** [MHKG19]. **Evaluation** [GCL⁺19a, LQW⁺18, MCSZ20]. **Evasion** [LV18]. **Evasion-Robust** [LV18]. **Event** [ABSP⁺18, CFP19, OLL20, PZW⁺18, WLP18, APU09, KT09, VFA⁺15]. **event-based** [APU09]. **Event-Oriented** [PZW⁺18]. **Events** [LHN⁺20, IHS07]. **Evidence** [Lap20]. **Evolution** [THB18, ZCF⁺17, LKF07]. **Evolutionary** [JV20, WWHW19, XZYL12, APU09, CSZ⁺09]. **evolutions** [LCZ⁺09]. **Evolving** [BC18, WWHW19, CBLH12]. **Exact** [LGF10]. **examples** [MS09]. **exhibition** [HDC07]. **Expanding** [MS09]. **Expert** [DWD⁺20, DA19, HHZ⁺18, MSC⁺19, MMMJ16]. **Explanations** [SFDW19]. **Explicit** [XYW⁺20]. **Exploiting** [BLW14, FCWQ17, NTNP18, PSFV13, ZPC⁺16]. **Exploration** [KN18, PA18, RBBV18, vLCV⁺18, vLCV⁺19]. **Exploratory** [LZF⁺15]. **Exploring** [SMK18, WCS⁺18, XYW⁺20]. **Express** [LYG⁺19]. **expression** [YCJK08].

Extension [ZZYY16]. **Extension-Based** [ZZYY16]. **Extensions** [CSSP15, LML⁺16]. **Extracting** [LHN⁺20, KNV07]. **Extraction** [LWLW18, YWR⁺19, ZGC18]. **Extrapolation** [LCZ07].

Face [HSS⁺17]. **Factor** [AF16, Kor10]. **Factorization** [BNY20, CZH18, CCLZ18, EC20, HNHD14, LSS⁺11, LCF19, MV14, PKH⁺17, WLP18]. **Factorizations** [DKA11]. **Factors** [FCWQ17, HDQ⁺18]. **farms** [ZP09]. **Fast** [AKM20, FSK09, KN18, KRBK19, ME11, QXBT16, SFP10, SKSÇ17, SHF18, SOK⁺20, WNH15, WJR⁺10, ZTT⁺20]. **Fast-But-Approximate** [KN18]. **Faster** [BBC⁺19]. **fatigue** [CSF⁺12]. **Fault** [CNZ⁺17]. **Feature** [CNY⁺16, CCC09, GSWJ20, JLD⁺19, SFDW19, TL14, WYWY19, WHMY17, XXZ19, YYF⁺16, YWDP16, YLK13]. **Feature-preserved** [CCC09]. **Features** [BAMK18, GCL⁺19b, LWZ14, YDS⁺15]. **Featuring** [YWC⁺16]. **Feedback** [DWD⁺20, HDQ⁺18, XYW⁺20]. **Field** [JLH⁺13]. **fields** [WC12]. **Filtering** [CTX⁺17, HDQ⁺18, Kor10]. **Filters** [dVKCC11]. **Finding** [CKMS08, DA19, RTG17]. **Fine** [XZSY19]. **Fine-Grained** [XZSY19]. **First** [CRGP14]. **Fisher** [PSFV13]. **Fit** [YHCL12]. **Five** [BCK⁺18]. **Fixed** [DERU17]. **Flexible** [CGZW16, SHF18]. **Flow** [BHW⁺17, CLT⁺20, JDE⁺12, SZLP16]. **Flow-Based** [BHW⁺17]. **Flow-Level** [JDE⁺12]. **Flows** [SAS16]. **Following** [ABW20]. **Forecasting** [VALF12]. **foreground** [KUU10]. **Forest** [LHN⁺20]. **Formal** [Bal13]. **Formulation** [KRPS12]. **Forums** [BWD10]. **Fourier** [LWZ14]. **Framework** [AHGA14, ACE20, ABW20, BLW14, HLZH18, LT10, MM12, PFTR16, TYG⁺15, TLZ⁺20, WLW⁺19, WJR⁺10, XKW⁺14, ZWG⁺19, ZLD14, ZYH19, ASHK14, APU09, DG10, GG08, HGV⁺08, JTY10]. **Fraud** [HSS⁺17]. **FraudDetector** [YZH⁺18]. **Fraudulent** [YZH⁺18]. **Free** [Ang20, CZH18, BFPP07]. **Frequent** [RU14, ZLT⁺15, CX10, GMSS13, HDC07, JP09, MXC⁺07, THD⁺08, TVK10, ZCS10]. **Friendly** [Tat19]. **Fukunaga** [PSFV13]. **Fully** [DERU17, SOK⁺20, SCS20]. **Function** [KSV⁺16, YTH18]. **Function-on-Function** [YTH18]. **Functions** [ES15]. **Fused** [LCG⁺18]. **Fuzzy** [ZZZ⁺20b].

G [BMTT18]. **G-RoI** [BMTT18]. **game** [ZLT09]. **Games** [JSV⁺15]. **Gaming** [JSV⁺15]. **Gap** [LYWL12, ZKCY07]. **Gap-Constrained** [LYWL12]. **Gated** [CLT⁺20]. **Gauge** [VMR17]. **Gaussian** [LCLL17]. **GBAGC** [XKW⁺14]. **Gene** [KZZ⁺20, YCJK08]. **General** [HLZH18, XKW⁺14, ZJL⁺14]. **Generalizing** [AF16, HZL20]. **Generate** [VFA⁺15]. **Generating** [Che18, WNC⁺18]. **generation** [THD⁺08]. **Generative** [MHS20, XZYL12]. **Generic** [HZL20, WSZZ14]. **genome** [ZZW09]. **genome-wide** [ZZW09]. **Geographic** [FXG⁺16]. **Geolocation** [BPW⁺18]. **Geometrically** [BC18]. **Geotagged** [BMTT18]. **GLAD** [YHL15]. **Global** [DERU17]. **glycobiology** [HAKU⁺08]. **GOOWE** [BC18]. **GPU** [YLL19]. **Gradient** [AF16, WYG⁺17]. **Grained** [XZSY19, ZFWC18]. **GrammarViz** [SLW⁺18]. **Graph** [BHW⁺17, BBK19, CCV19, CCLZ18, CGZW16, CGL18, FH14, GWZZ17, HSS⁺17, JCB⁺16, KSV⁺16, LKF07, LJK18, MNK18, NLG16, Pap15, PKH⁺17, SKSÇ17, SOK⁺20, Tat19, WQZ⁺16, XKW⁺14, YWR⁺19, YZH⁺18, ZZZ⁺20a, JP09]. **Graph-Based** [BBK19, HSS⁺17]. **Graph-Mining** [YZH⁺18]. **Graphlet** [CL18]. **Graphs**

[ANK14, AKM20, BBC⁺19, BGC14, CTP⁺16, CZY11, DPDG18, EGT14, KTA⁺11, LRK⁺19, PA18, RU18, WZL⁺15, APU09, CBLH12, KNV07]. **Grassmann** [HLC19, WHG⁺18]. **Greedily** [CDSV16]. **Grey** [NGB18]. **grid** [TC09]. **Group** [LCG⁺18, SFP10, SYLC16, SH15, TC18, YHL15, ZCF⁺17, TLZ⁺08]. **Groups** [LSGZ19]. **Growth** [DMI12]. **GT** [TC18]. **Guarantees** [BIPR13, RU14]. **Guest** [EK12, TWCO16, vLCV⁺19]. **Guided** [BGJV12, LF18, SNH⁺13, THD⁺08].

HADI [KTA⁺11]. **Hashing** [CSSP15, WSZ⁺16]. **Head** [WWW⁺16]. **Head-Modifier** [WWW⁺16]. **Health** [TWCO16]. **Healthcare** [MFHL10]. **Heat** [HYYQ15]. **heavy** [CKMS08]. **Heterogeneity** [YYF⁺16]. **Heterogeneous** [DPDG18, HLZH18, LAN⁺18, LSGZ19, QCD⁺19, SBZR19, SNH⁺13, TLZ⁺20, WSZ⁺16, YTL18, ZL15, ZHS⁺19, HNH⁺13]. **Heterogeneous-Length** [QCD⁺19]. **Heuristic** [ZLZ⁺19]. **Hidden** [FCWQ17, FSK09, ZCS10]. **Hierarchical** [CMZS15, CRGP14, GY15, LTB18, LWY16, PZW⁺18, ZLD14, CKMS08]. **Hierarchies** [SCS14]. **High** [DGB16, MFHL10, PGR18, WHMY17, WLT19, XKH⁺16, KKZ09]. **High-Dimensional** [MFHL10, PGR18, XKH⁺16, KKZ09]. **High-Speed** [DGB16]. **High-Utility** [WLT19]. **hitters** [CKMS08]. **HIVE** [LTB18]. **HIVE-COTE** [LTB18]. **HMM** [HCZ⁺14]. **Housing** [LYG⁺19]. **Human** [AKM17, YLHY20, YWC⁺16]. **Hybrid** [BPW⁺18, CMQ19]. **hypercubes** [WAD12]. **hyperedges** [AMIL13]. **Hypergraphs** [SCS20, LK20]. **Hypothesis** [LZF⁺15].

ICU [WLC⁺17]. **Identification** [ABSP⁺18, KP18, NLG16, ZTL15a]. **Identify** [SH15]. **Identifying** [ERSK14, ZWG⁺19]. **iGRM** [NGB18].

iHypR [AMIL13]. **Image** [RBBV18, ZZZ⁺20a]. **images** [YCJK08]. **Impact** [GSI19]. **Implicit** [HDQ⁺18]. **Improve** [XL16]. **Improved** [BBK19, NGB18]. **improvements** [WAD12]. **Improving** [CDSV16, ML15, ZGC18, ZWH⁺16]. **Incoherent** [CLY12]. **Incomplete** [LCN14, ZTT⁺20]. **Incorporated** [LCF19]. **Incorporating** [DWD⁺20, HDQ⁺18, ZGC18]. **Incremental** [STP⁺08, YZH⁺18, ZZY16]. **Incrementally** [CBLH12]. **Indexing** [MRJ11, RBBV18]. **Indirect** [WSR⁺16]. **Infer** [YTL18]. **Inference** [CTX⁺17, CZH18, CMQ19, GY15, LGF10, XZSY19, BG09]. **Inferring** [ABW20, GRLK12, LYL⁺20, THRR16, SSK⁺10]. **Influence** [GRLK12, HK18, LX⁺17, YMPH20, ZTL⁺15b, ZL15]. **Influenced** [ZTL⁺15b]. **Influencer** [LCCM19]. **Influencers** [SAS16]. **Influences** [LSZ⁺19]. **Informatics** [YYF⁺16]. **Information** [BLW14, CKC⁺18, DMI12, ERSK14, GWZZ17, HLZH18, LWLW18, LAN⁺18, LK15, MCS⁺18, ML15, QSS20, RKR18, SBZR19, SZLP16, SH15, SAS16, SNH⁺13, WCL19, XL15, XKH⁺16, YLHY20, YWH⁺15, ZWH⁺16, ZL15, ZHS⁺19, ALB09, CT14]. **information-seeker** [ALB09]. **Information-Theoretic** [XKH⁺16]. **informative** [MVT12]. **infrequency** [GMSS13]. **Initiator** [ABSP⁺18]. **Inner** [CO18]. **Inputs** [ADK⁺16]. **Instance** [BFRL13]. **Integrated** [GSWJ20]. **Integrating** [CGZW16, SNH⁺13, WZL⁺11]. **Intelligence** [ZPSYY10]. **Inter** [VFA⁺15]. **Inter-event** [VFA⁺15]. **interaction** [APU09]. **Interactions** [CO18]. **Interactive** [KN18, LL19, MCS⁺18, PA18, RBBV18, SLW⁺18, WSM⁺18, vLCV⁺18, vLCV⁺19]. **Interdependence** [WCS⁺18]. **Interest** [BMTT18, LYL⁺20]. **Interesting** [WV14, Web10]. **Internal** [MCSZ20].

Internet [NGB18]. **Interpretation** [HP20]. **Intersections** [HXY⁺19]. **Introduction** [ACPW13, Agg17, BBD⁺07, CT14, GL15, Han07, LSY⁺09, SLTA11, WL16, ZKYW08, vLCV⁺19]. **Invariant** [GJDX14]. **inverse** [GMSS13]. **Isolation** [LTZ12]. **Isolation-Based** [LTZ12]. **Iss** [vLCV⁺19]. **Issue** [ACPW13, Agg17, EK12, GL15, SLTA11, TWCO16, Wan10, WL16, ZPSYY10, vLCV⁺18, vLCV⁺19, BBD⁺07, CT14, GSTC12, LSY⁺09, MG09, ZKYW08]. **Item** [FCWQ17, ZLC20]. **items** [Web10]. **Itemset** [WLT19, CX10, GMSS13]. **Itemsets** [RU14, LNR08, MVT12, Web10]. **iterated** [WAD12]. **Iterative** [SYD⁺16].

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KDD [Agg17]. **KDD'10** [EK12]. **Kernel** [CSSP15, HYYQ15, LCF19, SHL19, ZZL15]. **Kernel-Incorporated** [LCF19]. **Kernelized** [XKH⁺16]. **kernels** [MWF08]. **kNN** [RKC19]. **Know** [MMMJ16]. **Knowledge** [BWD10, LML⁺16, WNH15, WSR⁺16, WYWY19, ZPSYY10, KUU10, LNR08]. **Knowledge-Sharing** [BWD10]. **Koontz** [PSFV13]. **Kronecker** [MNK18]. **Krylov** [HSBH19].

Label [BFRL13, GCL⁺19b, LHW⁺20, RKC19, YYF⁺16, JTY10]. **Label-Specific** [GCL⁺19b]. **Labeled** [MA16, HAKU⁺08]. **Lag** [SFP10]. **Landmark** [MDV11]. **Landmark-Based** [MDV11]. **Language** [WNH15]. **Laplacian** [LCG⁺18]. **Large** [AOEM17, BHW⁺17, CTP⁺16, CZH18, CZY11, CKC⁺18, DKSL18, GJ16, GY15, HSBH19, HLZH18, JCB⁺16, JDE⁺12, KTA⁺11, KRBK19, Lap20, LK20, LLW16, OGAB14, PGR18, RBBV18, SHL19, SDS18, SLTA11, WLR⁺14, WNH15, WZL⁺15, WHMY17, XXZ19, YHCL12, ZP15, AF09, BBCG10, CRST09, GMSS13, KT09]. **Large-Scale** [AOEM17, BHW⁺17, CZH18, CKC⁺18, DKSL18, GY15, HLZH18, KRBK19, SDS18, SLTA11, WNH15, WHMY17, XXZ19, BBCG10, GMSS13]. **Lasso** [LWY16, LCG⁺18]. **Latent** [FCWQ17, GSST16, HDQ⁺18, WSZ12]. **Layered** [CTX⁺17]. **LDA** [YCJK08]. **Leakage** [KRPS12]. **Learning** [AHGA14, AT17, BXF⁺20, BFRL13, CNY⁺16, CLY12, CCLZ18, CLG⁺19, Con20, CFD10, DKSL18, DPDG18, GZXF16, GCL⁺19b, HZL20, HHZ⁺18, HZW⁺15, HLZH18, HF12, IPM12, IHS07, JDE⁺12, KRBK19, LL19, LWZ14, LSZ⁺19, LSH20, LTH⁺13, SJR08, WC12, WSZZ14, WY15, WLC⁺17, WCL19, WYX⁺16, XKH⁺16, XL16, YTL18, ZY14, ZFWC18, ZCZQ19, ZLC20, DG10, JTY10, YLK13, ZY13, ZFY14]. **Learning-Based** [WSZZ14]. **Length** [MV14, QCD⁺19, SLW⁺18]. **Less** [RA16, SG12]. **Level** [JDE⁺12]. **Leveraging** [GCL⁺19b, LCF19, MA16, YTW⁺16]. **Lifecycle** [CYOL16]. **Lifetime** [LYL⁺20]. **likelihood** [FSK09]. **Linear** [NWW⁺20, OGAB14, PBMID14, YHCL12, GMSS13, LCZ07, Vad10, WC12]. **Linearization** [LK20]. **Link** [DKA11, YLW⁺19, ZP09]. **Linkage** [dVKCC11]. **Linkages** [HZW⁺15]. **links** [KSM09]. **LIS** [LSZ⁺19]. **Listing** [AKM20, CC12]. **Listwise** [WYX⁺16]. **Literature** [KP18]. **Local** [BLW14, CRGP14, DERU17, HSBH19, JYD19, LHK⁺18, LJK18, NLZH20, NWW⁺20, SH15, WLC⁺17, BBCG10]. **Local-First** [CRGP14]. **Locality** [CSSP15, ZTL⁺15b]. **Location** [XSZY20, YCC⁺15, YTW⁺16, ZFWC18, ZPC⁺16]. **Location-Based** [YCC⁺15, YTW⁺16, ZFWC18, ZPC⁺16]. **Logs** [WQZ⁺16]. **Long** [HZL20, HCC⁺18]. **Long-Tail** [HCC⁺18]. **Loss** [ES15, HP20]. **Low** [CLY12, LSF18]. **Low-Rank**

[CLY12, LSF18].

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[CMQ19, JLD⁺19, JDE⁺12, JSG⁺19].

Machines [PBMID14, AGHN13]. **Make**

[LCWC20]. **Manifold**

[HQYY14, HNHD14, HF12]. **Manifolds**

[HLC19, WHG⁺18]. **Manipulation**

[CTP⁺16]. **Manipulations** [SKSÇ17].

Manufacturing [ZH16]. **Many** [LWZ14].

Map [AOEM17]. **Mapping**

[GCL⁺19b, ZCL19]. **MapReduce**

[ADK⁺16]. **Margin** [GZXF16, TVK10].

Marginal [CWF⁺13]. **Market** [XL16].

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[FSK09, IHS07, WC12, ZCS10].

Markov-modulated [IHS07]. **Massive**

[KSV⁺16, CC12]. **Massive-Graph**

[KSV⁺16]. **Matching**

[AOEM17, BIPR13, CWF⁺13, CGL18,

CXH⁺20, MAHT18, WSC⁺17, TLZ⁺20].

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Matrix [CZH18, CXH⁺20, DKA11, EC20,

HNHD14, LCF19, MV14, PKH⁺17, WNH15].

Max [GZXF16]. **Maximal** [TVK10].

Maximally [CLG⁺19]. **Maximization**

[HK18, LWW18, YMPH20, ZZ10].

Maximum [WSZ12, WSM⁺18].

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[MV14]. **Mean** [LHZG13]. **Means** [MM12].

Measure [AEEBEE20, ABS19, AF16,

Ang20, CG15, DSL⁺14, ZHS⁺19]. **Measures**

[LK15, DD09]. **Measuring** [KNV07, WC15].

Mechanism [CC19]. **Med** [JXGZ19].

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[AEEBEE20, BMTT18, CYT⁺17, LPK⁺15,

THRR16, TL14, YHL15, YTW⁺16, ZTL15a].

Medical [JXGZ19, YF⁺16]. **MEDLINE**

[TS09]. **meet** [CBRB09]. **Meets** [CCLZ18].

Membership [CO18]. **Memo** [CZH18].

Memo-Free [CZH18]. **Memory**

[DERU17, HZL20, LJK18, RKC19, YHCL12].

Memory-Efficient [LJK18]. **Message**

[BGSW13]. **Message-Passing** [BGSW13].

Meta [SNH⁺13, ZHS⁺19]. **Meta-Path**

[SNH⁺13]. **Meta-Structure** [ZHS⁺19].

Metagraph [LSS⁺11]. **Method**

[HLC19, WSZZ14, YLL19, DD09].

methodologies [CT14]. **methodology**

[SSK⁺10]. **Methods** [CSSP15, DAR09].

Metric [GJDX14, XKH⁺16]. **Micro**

[YWC⁺16]. **Micro-Blog** [YWC⁺16].

microarray [LTN⁺08]. **microarray-based**

[LTN⁺08]. **Microblog**

[GCL⁺19a, PZW⁺18]. **Microblogging**

[YWH⁺15]. **microeconomic** [ZLT09].

miner [HDC07]. **Minimization**

[TLL⁺19, WHG⁺18]. **minimize** [KSM09].

Minimum [MV14]. **Mining**

[AEEBEE20, AK15, BB17, CL18, CO18,

GM18, GLFV⁺19, GZXF16, HH19, JH19,

JP09, JCB⁺16, KTA⁺11, KR16, Lap20,

LYWL12, LML⁺16, MHKG19, PZW⁺18,

PLL⁺10, QSST18, RCM⁺13, Row16, SHF18,

SAS16, SLTA11, TYG⁺15, WZL⁺16,

WLC⁺17, WLT19, YZH⁺18, YDS⁺15,

ZKCY07, ZLT⁺15, ZWH⁺16, AF09, CX10,

GMMT07, GG08, GMSS13, HAKU⁺08,

JMR08, KRPS12, RPT10, THD⁺08, TVK10,

ZCS10, ZLT09, MMMJ16].

misclassification [BG09]. **Missing**

[BAMK18, ERSK14]. **Misuse** [SBRE14].

Mixed [CO18]. **Mixed-Membership**

[CO18]. **Mixture** [ZCL19, SJR08].

mixture-of-subsets [SJR08]. **Mobile**

[AOEM17, HCZ⁺14, LWG⁺16, QSST18,

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[BGWSB19, WYG⁺17]. **Modal**

[WSZ⁺16, ACE20]. **Mode**

[CWF⁺13, SCS14, WY15, YTH18].

Mode-Sparsity [YTH18]. **Model**

[CCLZ18, DMI12, DGB16, JYD19, LGF10,

LML⁺16, MHS20, NGB18, VAFZ19,

WJR⁺10, ZCF⁺17, ZCL19, DD09,

HAKU⁺08, LCZ07, SJR08, THD⁺08, ZCS10].

Model-Agnostic [WJR⁺10]. **Modeling**

[ALB09, CYOL16, CYT⁺17, FXG⁺16,

HLCR20, HF12, IYSU12, KHTR18, LFC⁺17,

LCG⁺¹⁸, PL10, QCD⁺¹⁹, XL15, YZF⁺¹⁶, YCC⁺¹⁵, LSY⁺⁰⁹. **Models** [CO18, LRK⁺¹⁹, MNK18, STD⁺¹⁸, WZL⁺¹⁶, WSM⁺¹⁸, XZYL12, DD09, FSK09, WC12]. **Modifier** [WWW⁺¹⁶]. **Modular** [JDE⁺¹²]. **modulated** [IHS07]. **Molecular** [XKH⁺¹⁶]. **moment** [DD09]. **Monitoring** [TDLM19, XZXW18]. **Most** [WV14, MVT12]. **Motif** [LHW⁺²⁰, SSK⁺¹⁰, WLR⁺¹⁴, BCK⁺¹⁸]. **Motif-Aware** [LHW⁺²⁰]. **Motifs** [AK15, GSST16]. **Motives** [LFC⁺¹⁷]. **Movement** [ABW20]. **Moving** [WYG⁺¹⁷]. **MP** [BXF⁺²⁰]. **Multi** [ACE20, BXF⁺²⁰, BFRL13, CTX⁺¹⁷, CGZW16, GCL^{+19b}, LSF18, LF18, MHS20, PZW⁺¹⁸, QCD⁺¹⁹, RKC19, WLW⁺¹⁹, WSZ⁺¹⁶, YLHY20, ZFWC18, ZYH19, ZZZ^{+20b}, JTY10]. **Multi-Document** [QCD⁺¹⁹]. **Multi-Domain** [CGZW16]. **Multi-Grained** [ZFWC18]. **Multi-Instance** [BFRL13]. **Multi-Label** [BFRL13, GCL^{+19b}, RKC19, JTY10]. **Multi-Layered** [CTX⁺¹⁷]. **Multi-Modal** [WSZ⁺¹⁶, ACE20]. **Multi-objective** [MHS20]. **Multi-Party** [BXF⁺²⁰]. **Multi-source** [WLW⁺¹⁹]. **Multi-task** [ACE20, YLHY20, ZYH19]. **Multi-View** [LSF18, LF18, PZW⁺¹⁸, MHS20, ZZZ^{+20b}]. **Multiclass** [LYL⁺²⁰]. **Multidimensional** [BB17, MRTW19, PLL⁺¹⁰]. **Multidocument** [WZL⁺¹¹]. **Multigraphs** [LJK18]. **Multilabel** [WSZZ14, ZZ10, ZY13]. **Multilayer** [GBGL20]. **multilevel** [PLL⁺¹⁰]. **Multimedia** [GZXF16]. **Multimodal** [GZXF16]. **Multinomial** [KRBK19]. **Multiobjective** [SMK18]. **Multiplayer** [JSV⁺¹⁵]. **Multiple** [CLY12, CLT⁺²⁰, CXH⁺²⁰, IYSU12, JH19, JYD19, LCWC20, SHL19, WLC⁺¹⁷, CFD10, WND⁺⁰⁹]. **multirelational** [JMR08]. **Multiresolution** [SCS14]. **Multisource** [CSF⁺¹²]. **Multitask** [LYL⁺²⁰, ZY14, ZZL15, YLK13]. **Multivariate** [ES15, LCLL17]. **Multiview** [SMK18]. **Mutual** [ZLC20]. **Naive** [LLW16]. **name** [TS09]. **NBA** [VALF12]. **Near** [CCV19]. **Near-Optimal** [CCV19]. **Nearest** [AF13]. **Need** [LWZ14]. **Neighbor** [AF13, MA16]. **Neighbor-Based** [AF13]. **Neighborhood** [EGT14]. **neighbors** [Kor10]. **Net** [XSZY20]. **Network** [ANK14, BGSW13, CDSV16, GSWJ20, HZL20, HZZ⁺¹⁵, HXY⁺¹⁹, MYB19, MRJ11, MNK18, SHH⁺²⁰, TLZ⁺²⁰, WCL19, WWW⁺²⁰, XZXW18, ZWG⁺¹⁹, ZTT⁺²⁰, VALF12, JLL14, KSM09, MS09, YWW⁺¹⁴]. **Networked** [GWZZ17]. **Networking** [GBTL14]. **Networks** [AK15, ABS19, BB17, CSG⁺¹⁶, CG15, CTX⁺¹⁷, CL18, CLT⁺²⁰, CGL18, Con20, CO18, DPDG18, ERSK14, GBGL20, GJDX14, GRLK12, HSBH19, HLZH18, HDT⁺¹⁸, JCB⁺¹⁶, JDE⁺¹², KRBK19, KP18, LNG18, LAN⁺¹⁸, LT10, LSGZ19, MSC⁺¹⁹, MA16, MRTW19, QSS20, SBZR19, STD⁺¹⁸, SZLP16, SH15, SNH⁺¹³, SHH⁺²⁰, THRR16, WZL⁺¹⁶, WLR⁺¹⁴, WWHW19, WC15, YLW⁺¹⁹, YTL18, ZP15, ZFWC18, ZL15, ZHS⁺¹⁹, ZPC⁺¹⁶, AMIL13, AGHN13, CT14, CC12, HNH⁺¹³, KNV07, LCZ⁺⁰⁹, LTH⁺¹³, ML14, WC12, ZFY14]. **Neural** [CLT⁺²⁰, XSZY20, XYW⁺²⁰, ZWG⁺¹⁹]. **News** [LHN⁺²⁰, SG12, VAFZ19]. **Node** [ERSK14, GWZZ17, SZLP16, WZL⁺¹⁵]. **Nodes** [BCK⁺¹⁸, WWHW19]. **noise** [BFPP07]. **noise-robust** [BFPP07]. **Non** [JYD19, LCLL17, Vad10]. **Non-Gaussian** [LCLL17]. **non-linear** [Vad10]. **Non-Local** [JYD19]. **Nonnegative** [BNY20, HNHD14, PKH⁺¹⁷, WNH15]. **nonredundant** [CFD10]. **Nontransductive** [AHGA14]. **Novel** [DA19, WQZ⁺¹⁶, ZZY16]. **Novelty** [XYW⁺²⁰]. **Nyström** [ZZY16].

Object [SNH⁺13]. **objective** [HGV⁺08, MHS20]. **Occupancy** [NGB18, ZLT⁺15]. **Occupancy-Based** [ZLT⁺15]. **OLAP** [QSS20]. **One** [HP20, OGAB14]. **Online** [BC18, CL18, HHZ⁺18, JSV⁺15, KP18, LCCM19, LHZG13, LWZ14, LT10, MYB19, Row16, SHL19, THRR16, WHMY17, YLW⁺19, YWDP16, ZWH⁺16, YLK13]. **Online-Weighted** [BC18]. **Ontology** [CTZ16, MAHT18]. **Opinion** [ABS19]. **Optimal** [CCV19]. **Optimization** [AHGA14, CTP⁺16, DYS20, LCWC20, MHS20, SMK18, SYLC16, XXZ19, ZL15, ZYH19]. **Optimizing** [ES15, SBRE14]. **Optimum** [BC18]. **Order** [YLL19, ZCS10]. **ordered** [HAKU⁺08]. **Oriented** [PZW⁺18, TDLM19]. **other** [VALF12]. **Our** [CDSV16]. **Outcome** [TDLM19]. **Outcome-Oriented** [TDLM19]. **Outcomes** [MMMJ16]. **Outlier** [AF16, CMZS15, LSF18, MCSZ20]. **Outliers** [AF16, AF09]. **Overlapping** [CRGP14, CO18, LHK⁺18, NLZH20]. **Own** [CDSV16].

P2P [AGHN13]. **Page** [WNH15, ZP09]. **PageRank** [LXY⁺17, ZGC18]. **Pairs** [WZL⁺15]. **Pairwise** [DYS20, PFTR16]. **Pairwised** [HZW⁺15]. **Papers** [Agg17, WL16]. **Paradox** [JSP15]. **PARAFAC** [PFS15]. **Parallel** [AKM20, GLFV⁺19, JLH⁺13]. **Parallelizable** [PFS15]. **Parallelized** [BXF⁺20]. **Parameter** [BFPP07]. **Parameter-free** [BFPP07]. **Parameterization** [CLG⁺19]. **ParCube** [PFS15]. **Parkinson** [LLL⁺20]. **Parliamentary** [MCS⁺18]. **Partial** [WHG⁺18, XL15]. **Participation** [LK20]. **Participation-based** [LK20]. **Particle** [XXZ19]. **Partitioned** [TAJY17, MWF08, VCKP08]. **Partitioning** [SYD⁺16, SZLP16]. **Party** [BXF⁺20]. **Pass** [OGAB14]. **Passenger** [WLW⁺19]. **Passing** [BGSW13]. **Path** [MRJ11, SNH⁺13, YCJK08]. **Paths** [Lap20]. **PathSelClus** [SNH⁺13]. **Patients** [WLC⁺17]. **Pattern** [CYOL16, GLFV⁺19, KR16, YDS⁺15, ZLT⁺15, KKZ09, YCJK08]. **pattern-based** [KKZ09]. **Patterns** [BGWSB19, CLY12, JH19, SLW⁺18, SDS18, WC15, YWH⁺15, CBRB09, MXC⁺07, PLL⁺10, ZKCY07]. **PCA** [CNY⁺16, FKKD17]. **Percolation** [CGL18]. **Perfection** [AKM17]. **Performance** [MSC⁺19, RU14]. **periodic** [ZKCY07]. **periods** [HDC07]. **Permanence** [CSG⁺16]. **Personalised** [ZGC18]. **Personality** [KP18]. **Personalized** [HCZ⁺14, LFC⁺17, YCC⁺15]. **Perspective** [CSSP15, CTX⁺17, ZZYY16]. **Petabyte** [LGF10]. **Petabyte-Scale** [LGF10]. **Phase** [Dor19]. **Phone** [AOEM17, QSST18, YZH⁺18]. **Physical** [HZW⁺15, TYG⁺15]. **Physics** [HQYY14]. **Physics-Based** [HQYY14]. **physiological** [SSK⁺10]. **Pipeline** [YLL19]. **Pipes** [ZCL19]. **Play** [DKSL18]. **Point** [LYL⁺20, QXBT16, SYD⁺16]. **Point-of-Interest** [LYL⁺20]. **Points** [JYD19]. **Poisson** [IHS07]. **Polar** [ABS19]. **Popularity** [GCL⁺19a]. **Population** [WNC⁺18]. **Populations** [MNK18]. **Portfolio** [LHZG13]. **Posts** [NTNP18]. **potentially** [Web10]. **Practical** [CCV19]. **Precedence** [GGLP15]. **precise** [HDC07]. **predict** [LTH⁺13]. **Predicting** [BAMK18, ERSK14, VMR17, WLW⁺19, ZTL⁺15b]. **Prediction** [CLT⁺20, DKA11, GCL⁺19a, IKK19, LCLL17, LSH20, SHL19, SBZR19, WYG⁺17, WCL19, BG09, HNH⁺13, LSY⁺09]. **Predictions** [GSI19]. **Predictive** [AT17, TDLM19, SSK⁺10]. **Predictors** [LCWC20, CRST09]. **Presence** [KHTR18, LNR08]. **Preservation** [VSV15]. **preserved** [CCC09]. **preserving**

[MWF08, VCKP08]. **Price** [XML18]. **Principal** [CLG⁺19]. **Principle** [WSZ12]. **Principled** [KSV⁺16]. **Prior** [JYD19, LNR08]. **Prioritized** [LAN⁺18]. **Privacy** [LK15, LT10, MWF08, RTM18, VCKP08, WFW⁺11, MKGV07]. **Privacy-preserving** [MWF08, VCKP08]. **Private** [EC20, HXY⁺19]. **Probabilistic** [CZH18, HP20, HO14, HLCR20, JLD⁺19, KHTR18, ZCL19, HAKU⁺08]. **Probability** [CWF⁺13]. **Problem** [CG15, XL16, ZTT⁺20, GEG⁺08]. **Problems** [ADK⁺16]. **Process** [GGLP15, TDLM19]. **Processes** [DMI12, LZD16, OLL20, QXBT16, TC18, IHS07]. **Processing** [LK15]. **Product** [LFC⁺17, MNK18, XL15, XL16, ZWG⁺19, ZWH⁺16]. **Products** [Che18, ZWG⁺19]. **Professionals** [Lap20]. **Profiles** [YCC⁺15]. **Profiling** [TYZZ10, XKH⁺16, TLZ⁺08]. **Profit** [LWW18]. **programs** [GMSS13]. **ProgressER** [AKM18]. **Progression** [LCG⁺18]. **Progressive** [AKM18, JH19]. **projection** [WAD12]. **Projections** [PBMID14, WAD12]. **Prominence** [AMIL13]. **Prominent** [ZJL⁺14]. **Promotion** [ZPC⁺16]. **Propagation** [LHW⁺20, LXY⁺17, YWH⁺15]. **Properties** [VFA⁺15, Bal13]. **Protecting** [RTM18]. **Provable** [SOK⁺20]. **Proximity** [SYLC16, KNV07]. **Pruning** [WLT19]. **PSP** [JH19]. **PSP-AMS** [JH19]. **Publishing** [VSV15]. **Punitive** [RKC19]. **Put** [PPDSBLP16].

Quality [CTZ16, LQW⁺18, MDV11, WSDL19, XZSY19]. **Quantifiers** [ES15]. **quasi** [JP09]. **quasi-cliques** [JP09]. **Queries** [HCC⁺18, WWW⁺16]. **Query** [AT17, HCC⁺18, MSC⁺19, WQZ⁺16, CRST09]. **query-defined** [CRST09]. **Query-Driven** [AT17]. **Querying** [WY15]. **Question** [BWD10, ALB09]. **Question-Answering** [BWD10].

Rademacher [RU18]. **Radii** [KTA⁺11]. **Random** [LWZ14, PBMID14, MWF08, WC12, WAD12]. **randomization** [GMMT07]. **Randomized** [FKKD17]. **Rank** [CLY12, DKSL18, HH19, LSF18, TLL⁺19, WYX⁺16, ZGC18]. **Ranking** [BES15, CNZ⁺17, DYS20, FXG⁺16, GJDX14, JLH⁺13, AMIL13, JLL14]. **Rapid** [SYLC16]. **Rare** [KR16]. **Rating** [XL15, YCC⁺15]. **Ratings** [FCWQ17]. **Rationality** [LQW15]. **Reader** [QCD⁺19, VAFZ19]. **Reader-Aware** [QCD⁺19]. **Real** [AOEM17, FXG⁺16, LCWC20, LSH20, WSDL19]. **Real-Time** [AOEM17, LCWC20, WSDL19, LSH20]. **Realistic** [VFA⁺15, WNC⁺18]. **reciprocity** [LTH⁺13]. **Recognition** [HLC19, HCZ⁺14, LLL⁺20]. **Recommend** [CCLZ18]. **Recommendation** [CKC⁺18, HZZ⁺15, HCC⁺18, LL19, LWG⁺16, LFC⁺17, LCF19, ML15, WSZZ14, XYW⁺20, YCC⁺15, YTW⁺16, ZWH⁺16, ZLC20]. **Recommendations** [FCWQ17]. **Recommender** [Che18, CC19]. **Recommending** [LPK⁺15]. **Reconstructing** [EGT14]. **Reconstruction** [LSH20]. **Record** [dVKCC11]. **Recurrent** [ZHS⁺19]. **Recursive** [GY15, THB18]. **Redescriptions** [GM18]. **Reduction** [GBTL14, MDV11, PSFV13, ZZ10]. **Refining** [Pap15]. **Reflect** [BG09]. **Reframing** [HO14]. **Region** [BMTT18]. **Region-of-Interest** [BMTT18]. **regions** [CBLH12]. **Regression** [HO14, KCL⁺20, OGAB14, SHL19, STD⁺18, YTH18, ZLZ⁺19]. **Regularization** [CC19, GY15, YTH18, ZY14]. **Regularized** [CGZW16, PKH⁺17, WCL19]. **Reinforcement** [LL19]. **Relatedness** [ZGC18]. **Relational** [AK15, AKM18, NGB18, BG07]. **relations** [CBRB09, SMA⁺08]. **Relationship** [LAN⁺18, MYB19, SBZR19, WSM⁺18, GEG⁺08, ZY13]. **Relationships**

[JSV⁺15, YTL18, ZY14]. **Relative** [PFTR16]. **Relevance** [LGF10]. **Relevant** [BGJV12]. **Remote** [XZSY19]. **Representation** [Dor19, DPDG18, HLC19, SYD⁺16, WHG⁺18, WCL19, ZFWC18]. **Representations** [Che18]. **Representative** [WY15, MS09]. **Reputation** [XML18]. **requirement** [ZKCY07]. **Resolution** [AKM18, BG07]. **resolutions** [WND⁺09]. **Restricted** [JSG⁺19]. **results** [GMMT07]. **Resume** [Lap20]. **Retrieval** [CKC⁺18, DKSL18, MCS⁺18]. **Retweet** [ZTL⁺15b]. **Revealing** [JSV⁺15]. **Reversion** [LHZG13]. **Review** [PGR18, QSS20, TDLM19]. **Reviews** [ZWH⁺16]. **RGB** [LLL⁺20]. **RIC** [BFPP07]. **Ride** [TLZ⁺20, WLW⁺19]. **Ride-sharing** [TLZ⁺20]. **Ridesharing** [TLZ⁺20]. **Riemannian** [DYS20]. **Right** [DSL⁺14]. **risk** [LNR08]. **Road** [HXY⁺19]. **Robust** [CGZW16, HNHD14, IKK19, LV18, OLL20, PKH⁺17, TLL⁺19, ZLZ⁺19, ZHS⁺19, dVKCC11, BFPP07, GG08]. **Robustness** [HK18]. **RoI** [BMTT18]. **Role** [CO18, HZZ⁺15, WCL19, JLL14]. **Role-Based** [HZZ⁺15, WCL19]. **Rounding** [FKKD17]. **Routine** [QSST18]. **Rules** [DGB16, RU14, WSC⁺17, Bal13]. **Rumor** [VMR17, YLW⁺19]. **Rumors** [VMR17].

Saiyan [Con20]. **Sample** [LWZ14]. **Sampled** [HXY⁺19]. **Samples** [WY15]. **Sampling** [ANK14, BIPR13, CWF⁺13, LK20, LJK18, MM12, QXBT16, RU14, ZZY16, CCC09]. **Satellite** [XSZY20]. **Satisfaction** [AEEBEE20, ALB09]. **Satisfactions** [LWW18]. **Saturating** [BNY20]. **Scalable** [BHW⁺17, JLL14, SYD⁺16, WSZ⁺16, YWDP16, Kor10]. **Scale** [AOEM17, BHW⁺17, CZH18, CKC⁺18, DKSL18, GY15, HLZH18, KRBK19, LGF10, SHL19, SDS18, SLTA11, WNH15, WHMY17, XXZ19, BBCG10, GMSS13]. **Scaling** [CPC10]. **Scan** [CCV19]. **Scientific** [KZZ⁺20]. **SCOAL** [DG10]. **Score** [KRBK19]. **Scores** [LT10]. **screening** [Web10]. **SDA** [BXF⁺20]. **Search** [MSC⁺19, TAJY17, VAFZ19, WWW⁺16, WSZ⁺16, FSK09]. **Searching** [CRST09]. **seeker** [ALB09]. **Segmentation** [ZZZ⁺20a]. **Selecting** [DSL⁺14]. **Selection** [DPB⁺20, GSWJ20, JV20, JYD19, JLD⁺19, LHZG13, OGAB14, SNH⁺13, TL14, WZLG13, WYWY19, WHMY17, XL16, XSZY20, XXZ19, YWDP16, DD09, WZLG12, YLK13]. **Selective** [LQW⁺18, RA16]. **Self** [RKC19, Web10, XXZ19, ZZZ⁺20b]. **Self-Adaptive** [XXZ19]. **Self-Adjusting** [RKC19]. **Self-sufficient** [Web10]. **Self-weighted** [ZZZ⁺20b]. **Semantic** [II08, LWLW18, MXC⁺07, YWR⁺19, ZGC18, SMA⁺08]. **Semi** [CCLZ18, DD09]. **Semi-analytical** [DD09]. **Semi-supervised** [CCLZ18]. **Semiautomated** [BES15]. **Semiconductor** [ZH16]. **Semisupervised** [AHGA14, HCZ⁺14]. **SemRe** [ZGC18]. **SemRe-Rank** [ZGC18]. **Sensing** [NGB18, XZSY19]. **Sensitive** [CSSP15, HO14, Vad10]. **Sensor** [WSDL19]. **Sentence** [WZLG13, WZLG12]. **Sentiment** [IKK19, YWC⁺16, ZCZQ19]. **separability** [ASHK14]. **Sequence** [ZJL⁺14, ZCS10]. **sequences** [KT09, ZKCY07]. **Sequential** [GLFV⁺19, IYSU12, JH19, MM12, SFDW19, ZFWC18, PLL⁺10]. **Serendipity** [XYW⁺20]. **Series** [ABSP⁺18, ABW20, GSST16, LTB18, MMMJ16, RCM⁺13, SHL19, SLW⁺18]. **Services** [WLW⁺19, YWH⁺15, YTW⁺16]. **Session** [KN18]. **Session-Based** [KN18]. **Set** [CXH⁺20, WAD12]. **set-covering** [WAD12]. **Share** [XL16]. **shared** [JTYY10]. **shared-subspace** [JTYY10]. **Sharing** [BWD10, EC20]. **Shop** [YTW⁺16]. **Shop-Type** [YTW⁺16]. **Short** [BAMK18, HZL20]. **Short-Term** [HZL20]. **Short-Text** [BAMK18]. **Shortcut** [Pap15].

Shortest [MRJ11]. **Shortest-Path** [MRJ11]. **shrinking** [LKF07]. **SIGKDD** [ACPW13, BBD⁺07, MG09, WL16, GSTC12, GL15, Wan10]. **Signals** [Row16]. **Similar** [LSGZ19]. **Similarities** [CZY11]. **Similarity** [CG15, KSV⁺16, TAJY17, WSZ⁺16, ZHS⁺19, H08, JLL14]. **Simple** [CPC10, CC19, LJK18]. **SimRank** [CG15]. **simultaneous** [DG10]. **Single** [LLL⁺20, MAHT18]. **Singular** [ME11, WHG⁺18]. **Siren** [GM18]. **Site** [GBTL14]. **Size** [DERU17, LNG18]. **Sized** [ADK⁺16]. **Small** [TSRK20]. **Smart** [ZZL15]. **Smooth** [HP20]. **Smoothed** [DYS20]. **Social** [AEEBEE20, ABS19, BMTT18, BGC14, CL18, CGL18, CYT⁺17, DPDG18, ERSK14, GBTL14, HDQ⁺18, HNH⁺13, HDT⁺18, JSV⁺15, KP18, LPK⁺15, LT10, LSGZ19, MYB19, Pap15, PL10, SAS16, TL14, WWHW19, WWW⁺20, WC15, XZXW18, YLW⁺19, YHL15, YTW⁺16, ZTL15a, ZTL⁺15b, ZCF⁺17, ZFWC18, ZL15, ZPC⁺16, ZLC20, CT14, KSM09, LCZ⁺09, LSY⁺09, LTH⁺13, ML14, YWW⁺14, ZFY14]. **Socializing** [JSV⁺15]. **Solution** [WSZ⁺16, YCJK08]. **Solutions** [ZTT⁺20]. **Solving** [GMSS13]. **source** [WLW⁺19]. **Space** [HQYY14, JSP15]. **Space-Efficient** [JSP15]. **spam** [ZP09]. **Sparse** [BGSW13, BXF⁺20, CNY⁺16, CLY12, FH14, FKKD17, LLW16, LWLW18, LCG⁺18, PFS15, STD⁺18, WYG⁺17, WHMY17, XYW⁺20, ZZZ⁺20a]. **Sparsely** [HXY⁺19, MA16]. **Sparsity** [YTH18]. **Spatial** [LCLL17, SYLC16, WJR⁺10]. **Spatial-Proximity** [SYLC16]. **Spatio** [CLT⁺20, QSST18]. **Spatio-Temporal** [QSST18, CLT⁺20]. **Speaker** [GSI19]. **Special** [Agg17, EK12, GSTC12, GL15, SLTA11, TWCO16, Wan10, WL16, ZPSYY10, vLCV⁺18, vLCV⁺19, BBD⁺07, CT14, LSY⁺09, MG09, ZKYW08, ACPW13]. **Specific** [GCL⁺19b, HZW⁺15, LL19]. **Spectral** [LHK⁺18, MM12, TLL⁺19, ZZYY16, CSZ⁺09]. **Speed** [DGB16]. **Sports** [DKSL18, VALF12]. **spread** [KSM09]. **SpTV** [YLL19]. **Stability** [HK18]. **stage** [YCJK08]. **Start** [CC19, ML15]. **Static** [ANK14, RU18]. **Statistical** [AF16, LK15]. **Statistics** [CCV19, LNG18, WLR⁺14]. **Status** [LYL⁺20]. **Stochastic** [TC18, VAFZ19]. **Stories** [LHN⁺20]. **Story** [LHN⁺20]. **Strategies** [ABW20, WLT19]. **Strategy** [LHZG13]. **Streaks** [ZJL⁺14]. **Stream** [PZW⁺18, THB18, TC09]. **Streaming** [ANK14, JSP15, KBR⁺16, YDS⁺15, CCC09, CKMS08]. **Streams** [BLW14, BC18, CFP19, DERU17, DGB16, JH19, LJK18, OLL20, RKC19, SFP10, SOK⁺20, SAS16, WND⁺09]. **Strengthen** [HDT⁺18]. **string** [H08]. **Structural** [CZY11, LWG⁺16, ZH16]. **Structure** [CSG⁺16, MRJ11, RBBV18, SG12, ZHS⁺19, ASHK14]. **Structured** [FH14, GZXF16, GWZZ17]. **Structures** [BB17]. **study** [ZZW09]. **subgraph** [TVK10]. **Subgraphs** [PSP⁺18, RTG17]. **subjective** [HGV⁺08]. **Subsequences** [LYWL12, RCM⁺13]. **subsets** [SJR08]. **Subspace** [AT17, HSBH19, JTY10, KKZ09]. **Substantial** [WAD12]. **Substitutes** [ZWG⁺19]. **Subtensor** [SHF18]. **subtrees** [THD⁺08]. **Success** [KZZ⁺20]. **succinctly** [MVT12]. **Sufficient** [LWW18, Web10]. **Suffix** [dVKCC11]. **Suggest** [LML⁺16]. **Sum** [WHG⁺18]. **summaries** [KT09]. **Summarization** [NTNP18, PA18, QCD⁺19, WZL⁺11, WZLG13, WZLG12]. **Summarizing** [MVT12]. **supervised** [CCLZ18]. **Supervision** [BGJV12, WSR⁺16]. **Support** [PBMID14, AGHN13, CX10]. **Supporting** [LZF⁺15]. **Surgical** [MMMJ16]. **Survey** [GLFV⁺19, KP18, KR16, LRK⁺19, KKZ09]. **Susceptibilities** [LSZ⁺19]. **swap** [GMMT07]. **Swarm** [XXZ19]. **Sybits**

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