

A Complete Bibliography of *ACM Transactions on Knowledge Discovery from Data (TKDD)*

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/>

29 January 2019
Version 1.31

Title word cross-reference

ACM [ACPW13, BBD⁺07, GL15, MG09, WL16, ZPSYY10]. **Across** [JH19, MAHT18, ZTL15a, BGJV12]. **action** [VALF12]. **Active** [BIPR13, CWF⁺13, HHZ⁺18, WY15, BG09]. **Activity** [CYT⁺17]. **adaptation** [CSF⁺12, TLZ⁺08]. **Adaptive** [AKM18, DGB16, KBR⁺16, LTN⁺08]. **Addendum** [vLCV⁺19]. **Addition** [Pap15]. **Address** [CG15]. **Addressing** [RCM⁺13]. **Adopter** [ZWH⁺16]. **Adversarial** [DKSL18]. **Advice** [HHZ⁺18]. **Against** [AKM17]. **Aggregated** [HYYQ15]. **aggregation** [GMT07]. **Agnostic** [WJR⁺10]. **Algorithm** [BBK19, FKKD17, JSP15, LWY16, WSZZ14, AF09, Vad10, WC12]. **Algorithms** [AK15, BGSW13, CPC10, DA18, GJ16].

Δ [TC18]. *k* [GEG⁺08, MKGV07, MM12]. *L* [MKGV07]. *N* [ML15, CBRB09].

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

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

ABRA [RU18]. **Accuracy** [MM12]. **Accurate** [LNG18, LJK18, SHF18, YWDP16, Kor10].

LCCM19, ME11, SHF18, SGCH19, WZL⁺¹⁶, BBCG10, GEG⁺⁰⁸, ZZW09]. **Alignment** [BGSW13, MAHT18]. **Alleviate** [CC19]. **Allocation** [ZP15]. **Alzheimer** [LCG⁺¹⁸]. **AMS** [JH19]. **Analysis** [BHW⁺¹⁷, CNZ⁺¹⁷, LSF18, LAN⁺¹⁸, LZP⁺¹⁵, LWG⁺¹⁶, STD⁺¹⁸, WQZ⁺¹⁶, XL15, YHL15, ZZY16, 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, PA18]. **Anomalous** [CYT⁺¹⁷, WWHW19]. **Anomaly** [GJDX14, HQYY14, KBR⁺¹⁶, LNG18, LTZ12, LCN14, RA16, SFDW19, WJR⁺¹⁰, YHL15]. **anonymity** [MKG07]. **Anonymization** [MFHL10]. **Anonymized** [WFW⁺¹¹, LNR08]. **anonymizing** [CGL18]. **Answering** [BWD10, ALB09]. **App** [LWG⁺¹⁶]. **Application** [DPDG18, MM12, SHL19, SDS18, CSF⁺¹²]. **Applications** [AHGA14, LYWL12, LSF18, LK15, NGB18, WZL⁺¹⁶, ZH16, CT14, GEG⁺⁰⁸, STP⁺⁰⁸]. **applied** [HAKU⁺⁰⁸]. **Approach** [AKM18, BPW⁺¹⁸, CGZW16, CRGP14, CTZ16, HCZ⁺¹⁴, JCB⁺¹⁶, KN18, KHTR18, PL10, RTM18, TYZZ10, WYG⁺¹⁷, XML18, YZH⁺¹⁸, YDS⁺¹⁵, ZY14, BG09, CX10, Web10]. **Approximate** [KN18]. **Approximating** [ME11, RU18]. **Arrays** [dVKCC11]. **Art** [CPC10]. **Articles** [SG12]. **ary** [CBRB09]. **ASCOS** [CG15]. **aspects** [CT14]. **Assessing** [AKM17, GMMT07, WWHW19]. **Assessment** [LWLW18, MMMJ16]. **Assignment** [ADK⁺¹⁶]. **Assignments** [CO18]. **Association** [RU14, Bal13, HDC07, ZZW09]. **Associations** [WV14, Web10]. **Assurance** [CTZ16]. **Asymmetric** [CG15]. **ATR** [MCS⁺¹⁸]. **ATR-Vis** [MCS⁺¹⁸]. **attraction** [TC09]. **Attractor** [SYD⁺¹⁶]. **Attribute** [CZY11, GEG⁺⁰⁸]. **Attributed** [CZY11, PA18, XKW⁺¹⁴]. **Attributes** [MA16, SZLP16]. **Attribution** [KSV⁺¹⁶]. **Author** [MHKG19, TS09]. **Automatic** [BMTT18, ZGC18]. **Averages** [RU18]. **avoidance** [KRPS12]. **Aware** [HZZ⁺¹⁵, HYYQ15, ZP15]. **axiomatic** [JLL14]. **background** [KUU10]. **Badges** [KHTR18]. **Balance** [CZY11]. **Based** [AF13, BHW⁺¹⁷, BBK19, CWF⁺¹³, FCWQ17, GZXF16, HZZ⁺¹⁵, HSS⁺¹⁷, HQYY14, HYYQ15, HCC⁺¹⁸, HF12, KN18, LTB18, LTZ12, LZD16, MDV11, MM12, WSZZ14, WQZ⁺¹⁶, YCC⁺¹⁵, YTW⁺¹⁶, ZLT⁺¹⁵, ZZY16, ZFWC18, ZL15, ZPC⁺¹⁶, AF09, APU09, DD09, HGV⁺⁰⁸, II08, KKZ09, LTN⁺⁰⁸, TC09, WND⁺⁰⁹, ZCS10]. **Batch** [CWF⁺¹³, WY15]. **Bayes** [LLW16]. **Bayesian** [CSSP15, CZH18, CO18, GY15, HCZ⁺¹⁴, LGF10, OGAB14, PL10, WC12, XKW⁺¹⁴]. **be** [WFW⁺¹¹]. **Behavior** [CYT⁺¹⁷, LLW16, XL16, APU09, ZFY14]. **Behavior2Vec** [Che18]. **Behavioral** [CPC10, LSY⁺⁰⁹]. **Behaviors** [Che18, JCB⁺¹⁶, WWHW19]. **Bellwether** [CRST09]. **Benchmark** [AKM17]. **Best** [Agg17, WL16, GSTC12]. **between** [CZY11, Web10]. **Betweenness** [RU18]. **Beyond** [BCK⁺¹⁸, MKGV07]. **Big** [CTZ16, RCM⁺¹³, SGCH19, TWC016, 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, dVKCC11]. **Blog**

[YWC⁺16]. **Bloom** [dVKCC11]. **Boolean** [MV14]. **boost** [Bal13]. **Boosting** [FH14]. **Bootstrap** [MM12]. **Brain** [STD⁺18]. **Breaches** [WFW⁺11]. **Bregman** [GG08, ZL15]. **Browsing** [LGF10]. **bubble** [GG08]. **Building** [RA16]. **Bundle** [LFC⁺17]. **Bursty** [XZXW18]. **Buying** [LFC⁺17]. **Buzz** [CYOL16].

Cache [TAJY17]. **Cache-Conscious** [TAJY17]. **Call** [YZH⁺18]. **Camouflage** [HSS⁺17]. **Can** [WFW⁺11]. **Cancer** [XKH⁺16]. **CANDECOMP** [PFS15]. **candidate** [THD⁺08]. **Cannot** [YHCL12]. **Capture** [MNK18]. **Cardinality** [AT17]. **Cascade** [XZXW18, AGHN13]. **CASIN** [CT14]. **Catching** [JCB⁺16]. **Categorical** [IPM12]. **Causal** [CNZ⁺17]. **center** [GEG⁺08]. **Centrality** [CDSV16, RU18, SKSÇ17]. **Centralized** [MFHL10]. **Centric** [RTM18]. **CGC** [CGZW16]. **Chain** [CCLZ18]. **Chains** [WSM⁺18]. **Chameleon** [BBK19]. **change** [CBLH12]. **Changes** [TC18]. **Characterization** [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]. **Classification** [AGHN13, AF13, BES15, BAMK18, DPDG18, FH14, GY15, JDE⁺12, LV18, LTB18, MA16, WSZZ14, WNH15, YHCL12, YDS⁺15, JTY10, LTN⁺08, MWF08]. **Classifier** [BC18, WAD12]. **Classifiers** [AHGA14]. **ClassiNet** [BAMK18]. **cliques** [JP09]. **Closed** [CBRB09]. **Closeness** [CDSV16]. **Closure** [HDT⁺18, LTH⁺13]. **Cluster** [KBR⁺16, DAR09, GEG⁺08, LQW⁺18]. **Clustered** [CGL18]. **Clusterers** [AHGA14]. **Clustering** [BBK19, BGJV12, BGG⁺15, CMZS15, CZY11, CGZW16, DA18, GMT07, GWZZ17, HYYQ15, IPM12, KKZ09, LQW⁺18, LHK⁺18, LF18, MDV11, MM12, PGR18, PFTR16, PKH⁺17, SMK18, SYD⁺16, SNH⁺13, TLL⁺19, VSV15, WZL⁺11, WSR⁺16, WCS⁺18, XZYL12, XKW⁺14, ZL15, ZZYY16, ZLD14, ZL15, ZH16, BFPP07, CSZ⁺09, DG10, GG08, HGV⁺08, TC09, WND⁺09]. **clusterings** [CFD10]. **clusters** [GG08, KUU10]. **Co** [CGZW16, ZH16, DG10]. **Co-Clustering** [ZH16, DG10]. **Co-Regularized** [CGZW16]. **Codes** [WLC⁺17]. **Coevolving** [AK15]. **Cold** [CC19, ML15]. **Cold-Start** [ML15]. **collaborations** [AMIL13]. **Collaborative** [CTX⁺17, HDQ⁺18, Kor10]. **Collections** [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, LHK⁺18, LSS⁺11, PPDSBLP16, RKR18, Row16, ASHK14, ALB09]. **CommunityDiff** [DA18]. **Comparative** [WZLG12, WZLG13]. **Comparing** [PFTR16]. **Comparison** [MAHT18]. **Competitive** [YTL18]. **Competitiveness** [WQZ⁺16]. **Completion** [SGCH19]. **Complex** [CSG⁺16, DG10]. **Complexity** [LWZ14]. **composite** [WAD12, ZFY14]. **Compositional** [JMR08]. **comprehensive** [KT09]. **Comprehensively** [FCWQ17]. **Compressing** [SZLP16]. **Computation** [SKSÇ17]. **computational** [Bal13, CT14]. **Computing** [GJ16, LT10, LSY⁺09]. **Conditional** [WSC⁺17]. **Confidence** [LHZG13, Bal13]. **Connected** [TWCO16, GEG⁺08]. **Connecting** [SG12]. **Connectivity** [Pap15]. **Conscious** [TAJY17]. **Consensus** [LF18]. **Consistent** [LNG18]. **Constrained** [LYWL12].

Constraints [GGLP15, PFTR16, GMSS13]. **Constructing** [KT09]. **Consumer** [XL16]. **contamination** [KSM09]. **Content** [FCWQ17, GWZZ17]. **Context** [CO18, HZZ⁺15, HCZ⁺14, IPM12, LWLW18]. **Context-Aware** [HZZ⁺15]. **Context-Dependent** [CO18]. **Contexts** [ZFWC18]. **Continuous** [KHTR18]. **Continuous-Time** [KHTR18]. **Convergence** [LLW16]. **Convex** [CNY⁺16]. **Coordinated** [WSM⁺18]. **Coordination** [ABSP⁺18]. **Core** [LZD16]. **corpus** [II08]. **corpus-based** [II08]. **correct** [BG09]. **Correlate** [MMMJ16]. **correlated** [CBLH12]. **Correlation** [BGG⁺15, DSL⁺14, WLC⁺17, KKZ09]. **Correlations** [CNZ⁺17, SFP10, SJR08]. **Cost** [HO14, CRST09, Vad10]. **cost-effective** [CRST09]. **Cost-Sensitive** [HO14, Vad10]. **COTE** [LTB18]. **Counting** [BCK⁺18, DERU17, LJK18, BBCG10, CX10]. **Counts** [CL18, JSP15]. **Coupled** [WCS⁺18]. **Covariance** [GJ16]. **covering** [WAD12]. **criteria** [HGV⁺08]. **Cross** [BGJV12, CTX⁺17, ML15, WNH15, JP09]. **Cross-Dependency** [CTX⁺17]. **Cross-Domain** [ML15]. **cross-graph** [JP09]. **Cross-Guided** [BGJV12]. **Cross-Language** [WNH15]. **Crowds** [WYX⁺16]. **CSNL** [Vad10]. **Cube** [KN18]. **Customer** [LWW18]. **Cyber** [TYG⁺15]. **Cyber-Physical** [TYG⁺15]. **Cyclic** [LZD16].

Data [AOEM17, ABSP⁺18, AT17, AF13, BMTT18, BLW14, BC18, CMZS15, CKC⁺18, CTZ16, DSL⁺14, DGB16, EGT14, GZXF16, IPM12, KN18, KBR⁺16, LK15, LGF10, LCN14, LCLL17, MFHL10, QSST18, RCM⁺13, RPT10, SBRE14, SGCH19, SLTA11, TL14, TYG⁺15, TAJY17, TWCO16, THB18, VSV15, WCS⁺18, WFW⁺11, WHMY17, XML18, XKH⁺16, 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** [CRST09]. **Dataset** [SDS18, WYG⁺17]. **Datasets** [LLW16, OGAB14, PGR18, WNC⁺18, AF09, JMR08, SSK⁺10]. **De-anonymizing** [CGL18]. **Death** [MHKG19]. **decision** [Vad10, VCKP08]. **Decomposable** [LZD16]. **Decomposition** [ME11, PFS15]. **Decompositions** [SCS14]. **Defined** [HQYY14, CRST09]. **Degree** [WQZ⁺16]. **DeltaCon** [KSV⁺16]. **Dense** [RTG17, SHF18, GG08]. **Densification** [LKF07]. **Density** [BLW14, CMZS15, HYYQ15, THB18, WND⁺09, TC09]. **Density-Aware** [HYYQ15]. **Density-based** [WND⁺09]. **dependence** [ZZ10]. **Dependencies** [FXG⁺16, LZD16]. **Dependency** [CTX⁺17]. **Dependent** [CO18]. **Deployment** [SYLC16]. **Descent** [WYG⁺17]. **Description** [MV14]. **Designing** [LNG18]. **Destination** [WYG⁺17]. **Detect** [CYT⁺17, LSGZ19, IHS07]. **Detecting** [TC18, WWHW19, YWC⁺16]. **Detection** [ABSP⁺18, BHW⁺17, BMTT18, CMZS15, HSS⁺17, HQYY14, KBR⁺16, LNG18, LHK⁺18, LSF18, LTZ12, LCN14, PPDSBLP16, RKR18, Row16, SBRE14, SFDW19, 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]. **Different-Sized** [ADK⁺16]. **Differentiating** [CC19]. **Diffusion** [GRLK12, RKR18, THRR16]. **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, 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** [WLP18, LTN⁺⁰⁸]. **discrimination** [RPT10]. **Discriminative** [HF12, WZLG13, WY15, WZLG12].
Discussions [MCS⁺¹⁸]. **Disease** [LCG⁺¹⁸, WLC⁺¹⁷]. **Dissimilarity** [IPM12]. **Distance** [HZW⁺¹⁵, IPM12, AF09]. **distance-based** [AF09]. **Distinct** [VFA⁺¹⁵]. **Distributed** [Che18, CZH18, GJ16, MM12, MFHL10, PSP⁺¹⁸]. **Distribution** [CWF⁺¹³].
diversity [MKGV07]. **Do** [LWZ14, MMMJ16]. **Document** [CKC⁺¹⁸, LGF10, NTNP18, WZL⁺¹¹, WZLG13, WSR⁺¹⁶, WZLG12]. **documents** [THD⁺⁰⁸]. **Doing** [MMMJ16]. **DOLPHIN** [AF09]. **Domain** [CGZW16, ML15, CSF⁺¹²]. **Domains** [LV18]. **domination** [ZLT09]. **Dots** [SG12].
Driven [AT17, BMTT18, PPDSBLP16, XML18].
Drosophila [YCJK08]. **Dual** [WZL⁺¹⁶, WNH15]. **duration** [ZCS10].
Dynamic [AK15, DERU17, LNG18, RCM⁺¹³, RBBV18, RU18, RTG17, THRR16, WC15, ZCF⁺¹⁷, LCZ⁺⁰⁹].
Dynamical [CNZ⁺¹⁷]. **Dynamics** [IYSU12, VFA⁺¹⁵].
E-Commerce [XML18]. **early** [CSF⁺¹²].
Edge [CTP⁺¹⁶, Pap15]. **Editorial** [EK12, TWCO16, vLCV⁺¹⁸]. **Editors** [vLCV⁺¹⁹]. **effective** [CRST09]. **effects** [VALF12]. **Efficient** [BHW⁺¹⁷, BBCG10, JSP15, LYWL12, LJK18, LWY16, MM12, RU14, 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]. **Emerging** [KP18, YDS⁺¹⁵]. **Emerging-Pattern** [YDS⁺¹⁵]. **Employing** [LWLW18]. **end** [HDC07]. **Enhance** [BLW14]. **Enhancing** [MDV11, XML18]. **Ensemble** [BC18, 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]. **errors** [LCZ07]. **Estate** [FXG⁺¹⁶].
Estimates [CMZS15]. **Estimating** [JSP15, WLR⁺¹⁴]. **Estimation** [BLW14].
Estimations [MM12]. **Estimators** [THB18]. **Evaluating** [MHKG19].
Evaluation [LQW⁺¹⁸]. **Evasion** [LV18].
Evasion-Robust [LV18]. **Event** [ABSP⁺¹⁸, PZW⁺¹⁸, WLP18, APU09, KT09, VFA⁺¹⁵].
event-based [APU09]. **Event-Oriented** [PZW⁺¹⁸]. **events** [IHS07]. **Evolution** [THB18, ZCF⁺¹⁷, LKF07]. **Evolutionary** [WWHW19, XZYL12, APU09, CSZ⁺⁰⁹].
evolutions [LCZ⁺⁰⁹]. **Evolving** [BC18, WWHW19, CBLH12]. **Exact** [LGF10]. **examples** [MS09]. **exhibition** [HDC07]. **Expanding** [MS09]. **Expert** [HHZ⁺¹⁸, MMMJ16]. **Explanations** [SFDW19]. **Exploiting** [BLW14, FCWQ17, NTNP18, PSFV13, ZPC⁺¹⁶]. **Exploration** [KN18, PA18, RBBV18, vLCV⁺¹⁸, vLCV⁺¹⁹]. **Exploratory** [LZF⁺¹⁵].
Exploring [SMK18, WCS⁺¹⁸]. **expression** [YCJK08]. **Extension** [ZZYY16].
Extension-Based [ZZYY16]. **Extensions** [CSSP15, LML⁺¹⁶]. **extracting** [KNV07].

Extraction [LWLW18, ZGC18].
Extrapolation [LCZ07].
Face [HSS+17]. **Factor** [AF16, Kor10].
Factorization [CZH18, CCLZ18, HNHD14, LSS+11, MV14, PKH+17, WLP18].
Factorizations [DKA11]. **Factors** [FCWQ17, HDQ+18]. **farms** [ZP09]. **Fast** [FSK09, KN18, ME11, QXBT16, SFP10, SKSÇ17, SHF18, WNH15, WJR+10].
Fast-But-Approximate [KN18]. **fatigue** [CSF+12]. **Fault** [CNZ+17]. **Feature** [CNY+16, CCC09, SFDW19, TL14, WHMY17, YYF+16, YWDP16, YLK13].
Feature-preserved [CCC09]. **Features** [BAMK18, LWZ14, YDS+15]. **Featuring** [YWC+16]. **Feedback** [HDQ+18]. **Field** [JLH+13]. **fields** [WC12]. **Filtering** [CTX+17, HDQ+18, Kor10]. **Filters** [dVKCC11]. **Finding** [CKMS08, RTG17].
First [CRGP14]. **Fisher** [PSFV13]. **Fit** [YHCL12]. **Five** [BCK+18]. **Fixed** [DERU17]. **Flexible** [CGZW16, SHF18].
Flow [BHW+17, JDE+12, SZLP16].
Flow-Based [BHW+17]. **Flow-Level** [JDE+12]. **Flows** [SAS16]. **Forecasting** [VALF12]. **foreground** [KUU10]. **Formal** [Bal13]. **Formulation** [KRPS12]. **Forums** [BWD10]. **Fourier** [LWZ14]. **Framework** [AHGA14, BLW14, HLZH18, LT10, MM12, PFTR16, TYG+15, WJR+10, XKW+14, ZLD14, ASHK14, APU09, DG10, GG08, HGV+08, JTY10]. **Fraud** [HSS+17].
FrauDetector [YZH+18]. **Fraudulent** [YZH+18]. **Free** [CZH18, BFPP07].
Frequent [RU14, ZLT+15, CX10, GMSS13, HDC07, JP09, MXC+07, THD+08, TVK10, ZCS10].
Fukunaga [PSFV13]. **Fully** [DERU17].
Function [KSV+16, YTH18].
Function-on-Function [YTH18].
Functions [ES15]. **Fused** [LCG+18].
G [BMTT18]. **G-RoI** [BMTT18]. **game** [ZLT09]. **Games** [JSV+15]. **Gaming** [JSV+15]. **Gap** [LYWL12, ZKCY07].
Gap-Constrained [LYWL12]. **Gauge** [VMR17]. **Gaussian** [LCLL17]. **GBAGC** [XKW+14]. **gene** [YCJK08]. **General** [HLZH18, XKW+14, ZJL+14].
Generalizing [AF16]. **Generate** [VFA+15].
Generating [Che18, WNC+18]. **generation** [THD+08]. **Generative** [XZYL12]. **Generic** [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]. **Gradient** [AF16, WYG+17]. **Grained** [ZFWC18].
GrammarViz [SLW+18]. **Graph** [BHW+17, BBK19, CCLZ18, CGZW16, CGL18, FH14, GWZZ17, HSS+17, JCB+16, KSV+16, LKF07, LJK18, MNK18, NLG16, Pap15, PKH+17, SKSÇ17, WQZ+16, XKW+14, YZH+18, JP09]. **Graph-Based** [BBK19, HSS+17]. **Graph-Mining** [YZH+18]. **Graphlet** [CL18]. **Graphs** [ANK14, BGC14, CTP+16, CZY11, DPDG18, EGT14, KTA+11, PA18, RU18, WZL+15, APU09, CBLH12, KNV07].
Grassmann [WHG+18]. **Greedily** [CDSV16]. **Grey** [NGB18]. **grid** [TC09].
Group [LCG+18, SFP10, SYLC16, SH15, TC18, YHL15, ZCF+17, TLZ+08]. **Groups** [LSGZ19]. **Growth** [DMI2]. **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,

SNH⁺¹³, WSZ⁺¹⁶, YTL18, ZL15, HNH⁺¹³]. **Hidden** [FCWQ17, FSK09, ZCS10]. **Hierarchical** [CMZS15, CRGP14, GY15, LTB18, LWY16, PZW⁺¹⁸, ZLD14, CKMS08]. **Hierarchies** [SCS14]. **High** [DGB16, MFHL10, PGR18, WHMY17, XKH⁺¹⁶, KKZ09]. **High-Dimensional** [MFHL10, PGR18, XKH⁺¹⁶, KKZ09]. **High-Speed** [DGB16]. **hitters** [CKMS08]. **HIVE** [LTB18]. **HIVE-COTE** [LTB18]. **HMM** [HCZ⁺¹⁴]. **Human** [AKM17, YWC⁺¹⁶]. **Hybrid** [BPW⁺¹⁸]. **hypercubes** [WAD12]. **hyperedges** [AMIL13]. **Hypothesis** [LZF⁺¹⁵].

ICU [WLC⁺¹⁷]. **Identification** [ABSP⁺¹⁸, KP18, NLG16, ZTL15a]. **Identify** [SH15]. **Identifying** [ERSK14]. **iGRM** [NGB18]. **iHypR** [AMIL13]. **Image** [RBBV18]. **images** [YCJK08]. **Implicit** [HDQ⁺¹⁸]. **Improve** [XL16]. **Improved** [BBK19, NGB18]. **improvements** [WAD12]. **Improving** [CDSV16, ML15, ZGC18, ZWH⁺¹⁶]. **Incoherent** [CLY12]. **Incomplete** [LCN14]. **Incorporating** [HDQ⁺¹⁸, ZGC18]. **Incremental** [STP⁺⁰⁸, YZH⁺¹⁸, ZZY16]. **Incrementally** [CBLH12]. **Indexing** [MRJ11, RBBV18]. **Indirect** [WSR⁺¹⁶]. **Infer** [YTL18]. **Inference** [CTX⁺¹⁷, CZH18, GY15, LGF10, BG09]. **Inferring** [GRLK12, THRR16, SSK⁺¹⁰]. **Influence** [GRLK12, HK18, LXY⁺¹⁷, ZTL^{+15b}, ZL15]. **Influenced** [ZTL^{+15b}]. **Influencer** [LCCM19]. **Influencers** [SAS16]. **Informatics** [YYF⁺¹⁶]. **Information** [BLW14, CKC⁺¹⁸, DMI12, ERSK14, GWZZ17, HLZH18, LWLW18, LAN⁺¹⁸, LK15, MCS⁺¹⁸, ML15, RKR18, SZLP16, SH15, SAS16, SNH⁺¹³, XL15, XKH⁺¹⁶, YWH⁺¹⁵, ZWH⁺¹⁶, ZL15, ALB09, CT14]. **information-seeker** [ALB09].

Information-Theoretic [XKH⁺¹⁶]. **informative** [MVT12]. **infrequency** [GMSS13]. **Initiator** [ABSP⁺¹⁸]. **Inner** [CO18]. **Inputs** [ADK⁺¹⁶]. **Instance** [BFRL13]. **Integrating** [CGZW16, SNH⁺¹³, WZL⁺¹¹]. **Intelligence** [ZPSYY10]. **Inter** [VFA⁺¹⁵]. **Inter-event** [VFA⁺¹⁵]. **interaction** [APU09]. **Interactions** [CO18]. **Interactive** [KN18, MCS⁺¹⁸, PA18, RBBV18, SLW⁺¹⁸, WSM⁺¹⁸, vLCV⁺¹⁸, vLCV⁺¹⁹]. **Interdependence** [WCS⁺¹⁸]. **Interest** [BMTT18]. **Interesting** [WV14, Web10]. **Internet** [NGB18]. **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]. **items** [Web10]. **itemset** [CX10, GMSS13]. **Itemsets** [RU14, LNR08, MVT12, Web10]. **iterated** [WAD12]. **Iterative** [SYD⁺¹⁶].

Joint [GEG⁺⁰⁸, ZFWC18]. **Jointly** [YYF⁺¹⁶]. **Jumps** [MRTW19].

KDD [Agg17]. **KDD'10** [EK12]. **Kernel** [CSSP15, HYYQ15, SHL19, ZZL15]. **Kernelized** [XKH⁺¹⁶]. **kernels** [MWF08]. **Know** [MMM16]. **Knowledge** [BWD10, LML⁺¹⁶, WNH15, WSR⁺¹⁶, ZPSYY10, KUU10, LNR08]. **Knowledge-Sharing** [BWD10]. **Koontz** [PSFV13]. **Kronecker** [MNK18].

Label [BFRL13, YYF⁺¹⁶, JTY10]. **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, HLZH18, JCB⁺16, JDE⁺12, KTA⁺11, LLW16, OGAB14, PGR18, RBBV18, SHL19, SDS18, SLTA11, WLR⁺14, WNH15, WZL⁺15, WHMY17, YHCL12, ZP15, AF09, BBCG10, CRST09, GMSS13, KT09]. **Large-Scale** [AOEM17, BHW⁺17, CZH18, CKC⁺18, DKSL18, GY15, HLZH18, SDS18, SLTA11, WNH15, WHMY17, BBCG10, GMSS13]. **Lasso** [LWY16, LCG⁺18]. **Latent** [FCWQ17, GSST16, HDQ⁺18, WSZ12]. **Layered** [CTX⁺17]. **LDA** [YCJK08]. **Leakage** [KRPS12]. **Learning** [AHGA14, AT17, BFRL13, CNY⁺16, CLY12, CCLZ18, CFD10, DKSL18, DPDG18, GZXF16, HHZ⁺18, HZW⁺15, HLZH18, HF12, IPM12, IHS07, JDE⁺12, LWZ14, LTH⁺13, SJR08, WC12, WSZZ14, WY15, WLC⁺17, WYX⁺16, XKH⁺16, XL16, YTL18, ZY14, ZFWC18, DG10, JTY10, YLK13, ZY13, ZFY14]. **Learning-Based** [WSZZ14]. **Length** [MV14, SLW⁺18]. **Less** [RA16, SG12]. **Level** [JDE⁺12]. **Leveraging** [MA16, YTW⁺16]. **Lifecycle** [CYOL16]. **likelihood** [FSK09]. **Linear** [OGAB14, PBMID14, YHCL12, GMSS13, LCZ07, Vad10, WC12]. **Link** [DKA11, ZP09]. **Linkage** [dVKCC11]. **Linkages** [HZW⁺15]. **links** [KSM09]. **listing** [CC12]. **Listwise** [WYX⁺16]. **Literature** [KP18]. **Local** [BLW14, CRGP14, DERU17, LHK⁺18, LJK18, SH15, WLC⁺17, BBCG10]. **Local-First** [CRGP14]. **Locality** [CSSP15, ZTL⁺15b]. **Location** [YCC⁺15, YTW⁺16, ZFWC18, ZPC⁺16]. **Location-Based** [YCC⁺15, YTW⁺16, ZFWC18, ZPC⁺16]. **Logs** [WQZ⁺16]. **Long** [HCC⁺18]. **Long-Tail** [HCC⁺18]. **Loss** [ES15]. **Low** [CLY12, LSF18]. **Low-Rank** [CLY12, LSF18].

Machine [JDE⁺12]. **Machines** [PBMID14, AGHN13]. **Manifold** [HQYY14, HNHD14, HF12]. **Manifolds** [WHG⁺18]. **Manipulation** [CTP⁺16]. **Manipulations** [SKSC17]. **Manufacturing** [ZH16]. **Many** [LWZ14]. **Map** [AOEM17]. **MapReduce** [ADK⁺16]. **Margin** [GZXF16, TVK10]. **Marginal** [CWF⁺13]. **Market** [XL16]. **Marketing** [LCCM19, ZPC⁺16]. **Markov** [FSK09, IHS07, WC12, ZCS10]. **Markov-modulated** [IHS07]. **Massive** [KSV⁺16, CC12]. **Massive-Graph** [KSV⁺16]. **Matching** [AOEM17, BIPR13, CWF⁺13, CGL18, MAHT18, WSC⁺17]. **Mathematical** [XL15]. **Matrices** [GJ16]. **Matrix** [CZH18, DKA11, HNHD14, MV14, PKH⁺17, WNH15]. **Max** [GZXF16]. **Maximal** [TVK10]. **Maximization** [HK18, LWW18, ZZ10]. **Maximum** [WSZ12, WSM⁺18]. **McNemar's** [MAHT18]. **MDL4BMF** [MV14]. **Mean** [LHZG13]. **Means** [MM12]. **Measure** [AF16, CG15, DSL⁺14]. **Measures** [LK15, DD09]. **Measuring** [KNV07, WC15]. **Mechanism** [CC19]. **Media** [BMTT18, CYT⁺17, LPK⁺15, THRR16, TL14, YHL15, YTW⁺16, ZTL15a]. **Medical** [YYF⁺16]. **MEDLINE** [TS09]. **meet** [CBRB09]. **Meets** [CCLZ18]. **Membership** [CO18]. **Memo** [CZH18]. **Memo-Free** [CZH18]. **Memory** [DERU17, LJK18, YHCL12]. **Memory-Efficient** [LJK18]. **Message** [BGSW13]. **Message-Passing** [BGSW13]. **Meta** [SNH⁺13]. **Meta-Path** [SNH⁺13]. **Metagraph** [LSS⁺11]. **Method** [WSZZ14, 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** [PZW⁺18]. **Microblogging** [YWH⁺15]. **microeconomic** [ZLT09]. **miner** [HDC07]. **Minimization** [TLL⁺19, WHG⁺18]. **minimize** [KSM09]. **Minimum** [MV14]. **Mining** [AK15, BB17, CL18, CO18, GM18, GZXF16, JH19, JP09, JCB⁺16, KTA⁺11, KR16, LYWL12, LML⁺16, MHKG19, PZW⁺18, PLL⁺10, QSST18, RCM⁺13, Row16, SHF18, SAS16, SLTA11, TYG⁺15, WZL⁺16, WLC⁺17, 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** [SJR08]. **mixture-of-subsets** [SJR08]. **Mobile** [AOEM17, HCZ⁺14, LWG⁺16, QSST18, SDS18]. **Mobility** [WYG⁺17]. **Modal** [WSZ⁺16]. **Mode** [CWF⁺13, SCS14, WY15, YTH18]. **Mode-Sparsity** [YTH18]. **Model** [CCLZ18, DMI12, DGB16, LGF10, LML⁺16, NGB18, WJR⁺10, ZCF⁺17, DD09, HAKU⁺08, LCZ07, SJR08, THD⁺08, ZCS10]. **Model-Agnostic** [WJR⁺10]. **Modeling** [ALB09, CYOL16, CYT⁺17, FXG⁺16, HF12, IYSU12, KHTR18, LFC⁺17, LCG⁺18, PL10, XL15, YYF⁺16, YCC⁺15, LSY⁺09]. **Models** [CO18, 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** [XZXW18]. **Most** [WV14, MVT12]. **Motif** [SSK⁺10, WLR⁺14, BCK⁺18]. **Motifs** [AK15, GSST16]. **Motives** [LFC⁺17]. **Moving** [WYG⁺17]. **Multi** [BFRL13, CTX⁺17, CGZW16, LSF18, LF18, PZW⁺18, WSZ⁺16, ZFWC18, JTY10]. **Multi-Domain** [CGZW16]. **Multi-Grained** [ZFWC18]. **Multi-Instance** [BFRL13]. **Multi-Label** [BFRL13, JTY10]. **Multi-Layered** [CTX⁺17]. **Multi-Modal** [WSZ⁺16]. **Multi-View** [LSF18, LF18, PZW⁺18]. **Multidimensional** [BB17, MRTW19, PLL⁺10]. **Multidocument** [WZL⁺11]. **Multigraphs** [LJK18]. **Multilabel** [WSZZ14, ZZ10, ZY13]. **multilevel** [PLL⁺10]. **Multimedia** [GZXF16]. **Multimodal** [GZXF16]. **Multiojective** [SMK18]. **Multiplayer** [JSV⁺15]. **Multiple** [CLY12, IYSU12, JH19, SHL19, WLC⁺17, CFD10, WND⁺09]. **multirelational** [JMR08]. **Multiresolution** [SCS14]. **Multisource** [CSF⁺12]. **Multitask** [ZY14, ZZL15, YLK13]. **Multivariate** [ES15, LCLL17]. **Multiview** [SMK18]. **Naive** [LLW16]. **name** [TS09]. **NBA** [VALF12]. **Nearest** [AF13]. **Need** [LWZ14]. **Neighbor** [AF13, MA16]. **Neighbor-Based** [AF13]. **Neighborhood** [EGT14]. **neighbors** [Kor10]. **Network** [ANK14, BGSW13, CDSV16, HZZ⁺15, MRJ11, MNK18, XZXW18, VALF12, JLL14, KSM09, MS09, YWW⁺14]. **Networked** [GWZZ17]. **Networking** [GBT14]. **Networks** [AK15, BB17, CSG⁺16, CG15, CTX⁺17, CL18, CGL18, CO18, DPDG18, ERSK14, GJDX14, GRLK12, HLZH18, HDT⁺18, JCB⁺16, JDE⁺12, KP18, LNG18, LAN⁺18, LT10, LSGZ19, MA16, MRTW19, STD⁺18, SZLP16, SH15, SNH⁺13, THRR16, WZL⁺16, WLR⁺14, WWHW19, WC15, YTL18, ZP15, ZFWC18, ZL15, ZPC⁺16, AMIL13, AGHN13, CT14, CC12, HNH⁺13, KNV07, LCZ⁺09, LTH⁺13, ML14, WC12, ZFY14]. **Networks-A** [KP18]. **News** [SG12]. **Node** [ERSK14, GWZZ17, SZLP16, WZL⁺15]. **Nodes** [BCK⁺18, WWHW19]. **noise** [BFPP07]. **noise-robust** [BFPP07]. **Non**

[LCLL17, Vad10]. **Non-Gaussian** [LCLL17]. **non-linear** [Vad10]. **Nonnegative** [HNHD14, PKH⁺17, WNH15]. **nonredundant** [CFD10]. **Nontransductive** [AHGA14]. **Novel** [WQZ⁺16, ZZY16]. **Nyström** [ZZYY16].

Object [SNH⁺13]. **objective** [HGV⁺08]. **Occupancy** [NGB18, ZLT⁺15]. **Occupancy-Based** [ZLT⁺15]. **One** [OGAB14]. **Online** [BC18, CL18, HHZ⁺18, JSV⁺15, KP18, LCCM19, LHZG13, LWZ14, LT10, Row16, SHL19, THRR16, WHMY17, YWDP16, ZWH⁺16, YLK13]. **Online-Weighted** [BC18]. **Ontology** [CTZ16, MAHT18]. **Optimization** [AHGA14, CTP⁺16, SMK18, SYLC16, ZL15]. **Optimizing** [ES15, SBRE14]. **Optimum** [BC18]. **order** [ZCS10]. **ordered** [HAKU⁺08]. **Oriented** [PZW⁺18]. **other** [VALF12]. **Our** [CDSV16]. **Outcomes** [MMMJ16]. **Outlier** [AF16, CMZS15, LSF18]. **Outliers** [AF16, AF09]. **Overlapping** [CRGP14, CO18, LHK⁺18]. **Own** [CDSV16].

P2P [AGHN13]. **Page** [WNH15, ZP09]. **PageRank** [LXY⁺17, ZGC18]. **Pairs** [WZL⁺15]. **Pairwise** [PFTR16]. **Pairwised** [HZW⁺15]. **Papers** [Agg17, WL16]. **Paradox** [JSP15]. **PARAFAC** [PFS15]. **Parallel** [JLH⁺13]. **Parallelizable** [PFS15]. **Parameter** [BFPP07]. **Parameter-free** [BFPP07]. **ParCube** [PFS15]. **Parliamentary** [MCS⁺18]. **Partial** [WHG⁺18, XL15]. **Partitioned** [TAJY17, MWF08, VCKP08]. **Partitioning** [SYD⁺16, SZLP16]. **Pass** [OGAB14]. **Passing** [BGSW13]. **Path** [MRJ11, SNH⁺13, YCJK08]. **PathSelClus** [SNH⁺13]. **Patients** [WLC⁺17]. **Pattern** [CYOL16, KR16, YDS⁺15, ZLT⁺15, KKZ09, YCJK08]. **pattern-based** [KKZ09]. **Patterns** [CLY12, JH19, SLW⁺18, SDS18, WC15, YWH⁺15, CBRB09, MXC⁺07, PLL⁺10, ZKCY07]. **PCA** [CNY⁺16, FKKD17]. **Percolation** [CGL18]. **Perfection** [AKM17]. **Performance** [RU14]. **periodic** [ZKCY07]. **periods** [HDC07]. **Permanence** [CSG⁺16]. **Personalised** [ZGC18]. **Personality** [KP18]. **Personalized** [HCZ⁺14, LFC⁺17, YCC⁺15]. **Perspective** [CSSP15, CTX⁺17, ZZY16]. **Petabyte** [LGF10]. **Petabyte-Scale** [LGF10]. **Phone** [AOEM17, QSST18, YZH⁺18]. **Physical** [HZW⁺15, TYG⁺15]. **Physics** [HQYY14]. **Physics-Based** [HQYY14]. **physiological** [SSK⁺10]. **Play** [DKSL18]. **Point** [QXBT16, SYD⁺16]. **Poisson** [IHS07]. **Population** [WNC⁺18]. **Populations** [MNK18]. **Portfolio** [LHZG13]. **Posts** [NTNP18]. **potentially** [Web10]. **Precedence** [GGLP15]. **precise** [HDC07]. **predict** [LTH⁺13]. **Predicting** [BAMK18, ERSK14, VMR17, ZTL⁺15b]. **Prediction** [DKA11, LCLL17, SHL19, WYG⁺17, BG09, HNH⁺13, LSY⁺09]. **Predictive** [AT17, SSK⁺10]. **predictors** [CRST09]. **Presence** [KHTR18, LNR08]. **Preservation** [VSV15]. **preserved** [CCC09]. **preserving** [MWF08, VCKP08]. **Price** [XML18]. **Principle** [WSZ12]. **Principled** [KSV⁺16]. **prior** [LNR08]. **Prioritized** [LAN⁺18]. **Privacy** [LK15, LT10, MWF08, RTM18, VCKP08, WFW⁺11, MKGV07]. **Privacy-preserving** [MWF08, VCKP08]. **Probabilistic** [CZH18, HO14, KHTR18, HAKU⁺08]. **Probability** [CWF⁺13]. **Problem** [CG15, XL16, GEG⁺08]. **Problems** [ADK⁺16]. **Process** [GGLP15]. **Processes** [DMI12, LZD16, QXBT16, TC18, IHS07]. **Processing** [LK15]. **Product** [LFC⁺17, MNK18, XL15, XL16, ZWH⁺16]. **Products** [Che18]. **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** [LXY⁺17, YWH⁺15]. **Properties** [VFA⁺15, Bal13]. **Protecting** [RTM18]. **Proximity** [SYLC16, KNV07]. **PSP** [JH19]. **PSP-AMS** [JH19]. **Publishing** [VSV15]. **Put** [PPDSBLP16].

Quality [CTZ16, LQW⁺18, MDV11]. **Quantifiers** [ES15]. **quasi** [JP09]. **quasi-cliques** [JP09]. **Queries** [HCC⁺18, WWW⁺16]. **Query** [AT17, HCC⁺18, 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, LSF18, TLL⁺19, WYX⁺16, ZGC18]. **Ranking** [BES15, CNZ⁺17, FXG⁺16, GJDX14, JLH⁺13, AMIL13, JLL14]. **Rapid** [SYLC16]. **Rare** [KR16]. **Rating** [XL15, YCC⁺15]. **Ratings** [FCWQ17]. **Rationality** [LQW15]. **Real** [AOEM17, FXG⁺16]. **Real-Time** [AOEM17]. **Realistic** [VFA⁺15, WNC⁺18]. **reciprocity** [LTH⁺13]. **Recognition** [HCZ⁺14]. **Recommend** [CCLZ18]. **Recommendation** [CKC⁺18, HZZ⁺15, HCC⁺18, LWG⁺16, LFC⁺17, ML15, WSZZ14, YCC⁺15, YTW⁺16, ZWH⁺16]. **Recommendations** [FCWQ17]. **Recommender** [Che18, CC19]. **Recommending** [LPK⁺15]. **Reconstructing** [EGT14]. **Record** [dVKCC11]. **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, OGAB14, SHL19, STD⁺18, YTH18]. **Regularization** [CC19, GY15, YTH18, ZY14]. **Regularized** [CGZW16, PKH⁺17]. **Relatedness** [ZGC18]. **Relational** [AK15, AKM18, NGB18, BG07]. **relations** [CBRB09, SMA⁺08]. **Relationship** [LAN⁺18, WSM⁺18, GEG⁺08, ZY13]. **Relationships** [JSV⁺15, YTL18, ZY14]. **Relative** [PFTR16]. **Relevance** [LGF10]. **Relevant** [BGJV12]. **Representation** [DPDG18, SYD⁺16, WHG⁺18, ZFWC18]. **Representations** [Che18]. **Representative** [WY15, MS09]. **Reputation** [XML18]. **requirement** [ZKCY07]. **Resolution** [AKM18, BG07]. **resolutions** [WND⁺09]. **results** [GMMT07]. **Retrieval** [CKC⁺18, DKSL18, MCS⁺18]. **Retweet** [ZTL⁺15b]. **Revealing** [JSV⁺15]. **Reversion** [LHZG13]. **Review** [PGR18]. **Reviews** [ZWH⁺16]. **RIC** [BFPP07]. **Right** [DSL⁺14]. **risk** [LNR08]. **Robust** [CGZW16, HNHD14, LV18, PKH⁺17, TLL⁺19, dVKCC11, BFPP07, GG08]. **Robustness** [HK18]. **RoI** [BMTT18]. **Role** [CO18, HZZ⁺15, JLL14]. **Role-Based** [HZZ⁺15]. **Rounding** [FKKD17]. **Routine** [QSST18]. **Rules** [DGB16, RU14, WSC⁺17, Bal13]. **Rumor** [VMR17]. **Rumors** [VMR17].

Sample [LWZ14]. **Samples** [WY15]. **Sampling** [ANK14, BIPR13, CWF⁺13, LJK18, MM12, QXBT16, RU14, ZZY16, CCC09]. **satisfaction** [ALB09]. **Satisfactions** [LWW18]. **Scalable** [BHW⁺17, JLL14, SYD⁺16, WSZ⁺16, YWDP16, Kor10]. **Scale**

[AOEM17, BHW⁺¹⁷, CZH18, CKC⁺¹⁸, DKSL18, GY15, HLZH18, LGF10, SHL19, SDS18, SLTA11, WNH15, WHMY17, BBCG10, GMSS13]. **Scaling** [CPC10]. **SCOAL** [DG10]. **Scores** [LT10]. **screening** [Web10]. **Search** [TAJY17, WWW⁺¹⁶, WSZ⁺¹⁶, FSK09]. **Searching** [CRST09]. **seeker** [ALB09]. **Selecting** [DSL⁺¹⁴]. **Selection** [LHZG13, OGAB14, SNH⁺¹³, TL14, WZLG13, WHMY17, XL16, YWDP16, DD09, WZLG12, YLK13]. **Selective** [LQW⁺¹⁸, RA16]. **Self** [Web10]. **Self-sufficient** [Web10]. **Semantic** [II08, LWLW18, MXC⁺⁰⁷, 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]. **Sensitive** [CSSP15, HO14, Vad10]. **Sentence** [WZLG13, WZLG12]. **Sentiment** [YWC⁺¹⁶]. **separability** [ASHK14]. **Sequence** [ZJL⁺¹⁴, ZCS10]. **sequences** [KT09, ZKCY07]. **Sequential** [IYSU12, JH19, MM12, SFDW19, ZFWC18, PLL⁺¹⁰]. **Series** [ABSP⁺¹⁸, GSST16, LTB18, MMMJ16, RCM⁺¹³, SHL19, SLW⁺¹⁸]. **Services** [YWH⁺¹⁵, YTW⁺¹⁶]. **Session** [KN18]. **Session-Based** [KN18]. **set** [WAD12]. **set-covering** [WAD12]. **Share** [XL16]. **shared** [JTY10]. **shared-subspace** [JTY10]. **Sharing** [BWD10]. **Shop** [YTW⁺¹⁶]. **Shop-Type** [YTW⁺¹⁶]. **Short** [BAMK18]. **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, II08, JLL14]. **Simple** [CPC10, CC19, LJK18]. **SimRank** [CG15]. **simultaneous** [DG10]. **Single** [MAHT18]. **Singular** [ME11, WHG⁺¹⁸]. **Siren** [GM18]. **Site** [GBTL14]. **Size** [DERU17, LNG18]. **Sized** [ADK⁺¹⁶]. **Smart** [ZZL15]. **Social** [BMTT18, BGC14, CL18, CGL18, CYT⁺¹⁷, DPDG18, ERSK14, GBTL14, HDQ⁺¹⁸, HNH⁺¹³, HDT⁺¹⁸, JSV⁺¹⁵, KP18, LPK⁺¹⁵, LT10, LSGZ19, Pap15, PL10, SAS16, TL14, WWHW19, WC15, XZXW18, YHL15, YTW⁺¹⁶, ZTL15a, ZTL^{+15b}, ZCF⁺¹⁷, ZFWC18, ZL15, ZPC⁺¹⁶, CT14, KSM09, LCZ⁺⁰⁹, LSY⁺⁰⁹, LTH⁺¹³, ML14, YWW⁺¹⁴, ZFY14]. **Socializing** [JSV⁺¹⁵]. **Solution** [WSZ⁺¹⁶, YCJK08]. **Solving** [GMSS13]. **Space** [HQYY14, JSP15]. **Space-Efficient** [JSP15]. **spam** [ZP09]. **Sparse** [BGSW13, CNY⁺¹⁶, CLY16, FH14, FKKD17, LLW16, LWLW18, LCG⁺¹⁸, PFS15, STD⁺¹⁸, WYG⁺¹⁷, WHMY17]. **Sparsely** [MA16]. **Sparsity** [YTH18]. **Spatial** [LCLL17, SYLC16, WJR⁺¹⁰]. **Spatial-Proximity** [SYLC16]. **Spatio** [QSST18]. **Spatio-Temporal** [QSST18]. **Special** [Agg17, EK12, GSTC12, GL15, SLTA11, TWCO16, Wan10, WL16, ZPSYY10, vLCV⁺¹⁸, vLCV⁺¹⁹, BBD⁺⁰⁷, CT14, LSY⁺⁰⁹, MG09, ZKYW08, ACPW13]. **Specific** [HZW⁺¹⁵]. **Spectral** [LHK⁺¹⁸, MM12, TLL⁺¹⁹, ZZY16, CSZ⁺⁰⁹]. **Speed** [DGB16]. **Sports** [DKSL18, VALF12]. **spread** [KSM09]. **Stability** [HK18]. **stage** [YCJK08]. **Start** [CC19, ML15]. **Static** [ANK14, RU18]. **Statistical** [AF16, LK15]. **Statistics** [LNG18, WLR⁺¹⁴]. **Stochastic** [TC18]. **Strategy** [LHZG13]. **Streaks** [ZJL⁺¹⁴]. **Stream** [PZW⁺¹⁸, THB18, TC09]. **Streaming** [ANK14, JSP15, KBR⁺¹⁶, YDS⁺¹⁵, CCC09, CKMS08]. **Streams** [BLW14, BC18, DERU17, DGB16, JH19, LJK18, SFP10, SAS16, WND⁺⁰⁹]. **Strengthen** [HDT⁺¹⁸]. **string** [II08]. **Structural** [CZY11, LWG⁺¹⁶, ZH16].

Structure[CSG⁺16, MRJ11, RBBV18, SG12, 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, JTY10, KKZ09]. **Substantial**[WAD12]. **Subtensor** [SHF18]. **subtrees**[THD⁺08]. **succinctly** [MVT12]. **Sufficient**[LWW18, Web10]. **Suffix** [dVKCC11].**Suggest** [LML⁺16]. **Sum** [WHG⁺18].**summaries** [KT09]. **Summarization**[NTNP18, PA18, WZL⁺11, WZLG13,WZLG12]. **Summarizing** [MVT12].**supervised** [CCLZ18]. **Supervision**[BGJV12, WSR⁺16]. **Support**[PBMID14, AGHN13, CX10]. **Supporting**[LZF⁺15]. **Surgical** [MMMJ16]. **Survey**[KP18, KR16, KKZ09]. **swap** [GMMT07].**Sybils** [YWW⁺14]. **Synchronization**[LZD16]. **Synchronization-Core-Based**[LZD16]. **Synchronized** [JCB⁺16].**Synthetic** [WNC⁺18]. **System**[CNZ⁺17, CKC⁺18, JDE⁺12, TYG⁺15].**Systematic** [PGR18]. **Systems**[Che18, CC19, MAHT18, PSP⁺18, XML18].**Tail** [HCC⁺18]. **target** [ZP09]. **Targeting**[CPC10]. **Task** [MAHT18, SYLC16, ZY14].**Tasks** [BGJV12, CLY12]. **taxonomy**[TLZ⁺08]. **team** [VALF12]. **Temporal**[CYOL16, CNZ⁺17, CYT⁺17, DKA11,QSST18, TC18, WC15, ZH16]. **Tendency**[KBR⁺16]. **Tensor** [DKA11, PFS15, SCS14,SGCH19, WLP18, STP⁺08]. **Term** [ZGC18].**Test** [MAHT18]. **Testing** [LZF⁺15]. **Text**

[BES15, BAMK18, ES15, MHKG19, II08].

their [LCZ⁺09]. **Theoretic**[BES15, XKH⁺16]. **Theory**[CT14, STP⁺08]. **Things** [NGB18]. **Three**[PPDSBLP16]. **Thresholded** [GJ16]. **Tied**[MNK18]. **Ties** [HDT⁺18]. **Tight** [RU14].**Time** [AOEM17, ABSP⁺18, GSST16,

KHTR18, LTB18, MMMJ16, QXBT16,

RCM⁺13, SHL19, SLW⁺18]. **Time-Series**

[GSST16, MMMJ16, SHL19].

Time-Varying [QXBT16]. **Times**[VFA⁺15]. **Timescales** [IYSU12]. **TKDD**

[CT14, MG09, TWCO16, Wan10, ZPSYY10,

vLCV⁺18, vLCV⁺19]. **TKDD-CASIN**[CT14]. **Together** [PPDSBLP16]. **Top**[ML15]. **Top-** [ML15]. **Topic**[HDQ⁺18, HF12, IYSU12, TLZ⁺08]. **Topics**[LML⁺16, PZW⁺18]. **Topology** [GWZZ17].**Traffic** [JDE⁺12]. **Trajectories**[LQW15, RTM18, TYG⁺15]. **Transfer**

[AHGA14, BGJV12, WNH15, ZFY14].

Transformation [HYYQ15, LTB18].**Transformation-Based** [LTB18].**transforms** [PSFV13]. **Transitivity**[JSP15]. **Translated** [WSZ⁺16]. **Traversal**[TAJY17]. **Tree** [THD⁺08, Vad10]. **Trees**[MRJ11, HAKU⁺08, LCZ07, VCKP08].**Trends** [KP18]. **Triadic**[HDT⁺18, LTH⁺13]. **Triangle**

[CC12, JSP15, PPDSBLP16, BBCG10].

Triangle-Driven [PPDSBLP16]. **Triangles**[DERU17, LJK18]. **TRIÈST** [DERU17].**Trifactorization** [WNH15]. **Trillion**[PSP⁺18]. **Trillions** [RCM⁺13]. **Trust**[HZZ⁺15, HNH⁺13]. **Twain** [HDC07].**Twitter** [BPW⁺18, MCS⁺18, VMR17].**Two** [SG12, HDC07]. **Two-end** [HDC07].**Type** [YTW⁺16].**Ultra** [WHMY17]. **Ultra-High** [WHMY17].**Unbiased** [WZL⁺15]. **Uncertain** [AF13].**Uncovering** [CRGP14, YWW⁺14].**Undirected** [MRTW19]. **Unification**[AF16]. **Unified** [PFTR16]. **Universal**[VEA⁺15]. **Unsupervised**[CNY⁺16, KR16, PZW⁺18, WWW⁺16].**Untrustworthy** [TYG⁺15]. **Usage** [SDS18].**Use** [SH15]. **Used** [WFW⁺11]. **User**[Che18, GBTL14, KHTR18, LWG⁺16,NTNP18, RTM18, Row16, SNH⁺13,

TYZZ10, YCC⁺15, ZTL15a, ZFY14].
User-Centric [RTM18]. **User-Guided** [SNH⁺13]. **Users** [HCZ⁺14, LPK⁺15, LT10, ML15]. **Using** [AOEM17, CTZ16, DKA11, HZZ⁺15, JSP15, KP18, RKR18, STD⁺18, SAS16, THB18, WNH15, WYG⁺17, XKH⁺16, dVKCC11, HNH⁺13, II08, KUU10, SJR08, ZP09]. **Utility** [BES15, WFW⁺11]. **Utility-Theoretic** [BES15]. **utilizing** [SMA⁺08].

Vaccine [ZP15]. **validity** [HGV⁺08]. **Value** [ME11]. **Values** [WHG⁺18]. **Vanishing** [CNZ⁺17]. **Variable** [OGAB14, SLW⁺18, ZCS10]. **Variable-Length** [SLW⁺18]. **Variance** [MNK18]. **Variational** [CZH18]. **Various** [LYWL12]. **Varying** [QXBT16]. **Vector** [PBMID14, AGHN13]. **Veracity** [VMR17]. **vertically** [MWF08, VCKP08]. **Very** [GJ16, AF09]. **Via** [MAHT18, CNZ⁺17, GMMT07, GMSS13, LSS⁺11, MWF08, ML15, MRTW19, Pap15, TLL⁺19, WZLG12, WZLG13, WNH15, WLP18, XML18, YCJK08, ZZ10, ZTL⁺15b]. **View** [LSF18, LXY⁺17, LF18, PZW⁺18]. **Viewable** [RBBV18]. **Viral** [ZPC⁺16]. **Vis** [MCS⁺18]. **VisIRR** [CKC⁺18]. **Visual** [CKC⁺18, MCS⁺18, PA18, STD⁺18]. **Visualization** [CMZS15, KBR⁺16]. **Visualizing** [DA18, YWC⁺16]. **VOGUE** [ZCS10]. **Vol** [vLCV⁺19]. **Vote** [LTB18]. **Vulnerability** [GBT14].

Walks [MRTW19]. **Warping** [RCM⁺13]. **Wavelet** [THB18]. **Weak** [LWY16]. **Web** [NTNP18, SMA⁺08, TYZZ10, WNH15, ZPSYY10]. **Weighted** [BC18, CG15, DAR09, LHZG13]. **Weights** [CC19]. **Who** [ZTL⁺15b]. **wide** [ZZW09]. **wild** [YWW⁺14]. **Will** [HDT⁺18]. **Wisdom** [DMI12]. **word** [II08]. **World** [WSR⁺16].

XML [THD⁺08].

Years [MHKG19].

References

Amornbunchornvej:2018:CED

[ABSP⁺18] Chainarong Amornbunchornvej, Ivan Brugere, Ariana Strandburg-Peshkin, Damien R. Farine, Margaret C. Crofoot, and Tanya Y. Berger-Wolf. Coordination event detection and initiator identification in time series data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(5):53:1–53:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Agarwal:2013:ISI

[ACPW13] Deepak Agarwal, Rich Caruana, Jian Pei, and Ke Wang. Introduction to the Special Issue ACM SIGKDD 2012. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(3):9:1–9:??, September 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Afrati:2016:APD

[ADK⁺16] Foto Afrati, Shlomi Dolev, Ephraim Korach, Shantanu Sharma, and Jeffrey D. Ullman. Assignment problems of different-sized inputs in MapReduce. *ACM Transactions on Knowledge Discov-*

- ery from Data (TKDD)*, 11(2): 18:1–18:??, December 2016. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Aggarwal:2017:ISI**
- [AF09] Fabrizio Angiulli and Fabio Fassetti. DOLPHIN: An efficient algorithm for mining distance-based outliers in very large datasets. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(1):4:1–4:??, March 2009. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Angiulli:2009:DEA**
- [AF13] Fabrizio Angiulli and Fabio Fassetti. Nearest neighbor-based classification of uncertain data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(1):1:1–1:??, March 2013. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Angiulli:2013:NNB**
- [AF16] Fabrizio Angiulli and Fabio Fassetti. Toward generalizing the unification with statistical outliers: The gradient outlier factor measure. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(3):27:1–27:??, February 2016. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Angiulli:2016:TGU**
- [Agg17] Charu C. Aggarwal. Introduction to special issue on the best papers from KDD 2016. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):39:1–39:??, August 2017. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Ang:2013:CPN**
- [AGHN13] Hock Hee Ang, Vivekanand Gopalkrishnan, Steven C. H. Hoi, and Wee Keong Ng. Classification in P2P networks with cascade support vector machines. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(4):20:1–20:??, November 2013. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Acharya:2014:OFC**
- [AHGA14] Ayan Acharya, Eduardo R. Hruschka, Joydeep Ghosh, and Sreangsu Acharyya. An optimization framework for combining ensembles of classifiers and clusterers with applications to nontransductive semisupervised learning and transfer learning. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(1):1:1–1:??, August 2014. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

- [AKM18] **Altowim:2018:PAP**
 Yasser Altowim, Dmitri V. Kalashnikov, and Sharad Mehrotra. ProgressER: Adaptive progressive approach to relational entity resolution. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):33:1–33:??, April 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [AKM17] **Anderson:2017:AHE**
 Ashton Anderson, Jon Kleinberg, and Sendhil Mullainathan. Assessing human error against a benchmark of perfection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):45:1–45:??, August 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [AKM15] **Ahmed:2015:AMC**
 Rezwana Ahmed and George Karypis. Algorithms for mining the coevolving relational motifs in dynamic networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(1):4:1–4:??, July 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [ALB09] **Agichtein:2009:MIS**
 Eugene Agichtein, Yandong Liu, and Jiang Bian. Modeling information-seeker satisfaction in community question answering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(2):10:1–10:??, April 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [AMIL13] **Adali:2013:IPR**
 Sibel Adali, Malik Magdon-Ismail, and Xiaohui Lu. iHypR: Prominence ranking in networks of collaborations with hyperedges 1. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(4):16:1–16:??, November 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [ANK14] **Ahmed:2014:NSS**
 Nesreen K. Ahmed, Jennifer Neville, and Ramana Kompella. Network sampling: From static to streaming graphs. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(2):7:1–7:??, June 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [AOEM17] **Algizawy:2017:RTL**
 Essam Algizawy, Tetsuji Ogawa, and Ahmed El-Mahdy. Real-time large-scale map matching using mobile phone data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):52:1–52:??, August 2017. CODEN

- ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [APU09] Sitaram Asur, Srinivasan Parthasarathy, and Duygu Ucar. An event-based framework for characterizing the evolutionary behavior of interaction graphs. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(4):16:1–16:??, November 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [ASHK14] Bruno Abrahao, Sucheta Soundarajan, John Hopcroft, and Robert Kleinberg. A separability framework for analyzing community structure. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(1):5:1–5:??, February 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [AT17] Christos Anagnostopoulos and Peter Triantafillou. Query-driven learning for predictive analytics of data subspace cardinality. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):47:1–47:??, August 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [Bal13] **Balcazar:2013:FCP**
José L. Balcázar. Formal and computational properties of the confidence boost of association rules. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(4):19:1–19:??, November 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [BAMK18] **Bollegala:2018:CPM**
Danushka Bollegala, Vincent Atanasov, Takanori Maehara, and Ken-Ichi Kawarabayashi. ClassiNet — predicting missing features for short-text classification. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(5):55:1–55:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [BB17] **Boutemine:2017:MCS**
Oualid Boutemine and Mohamed Bouguessa. Mining community structures in multidimensional networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):51:1–51:??, August 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [BBCG10] **Becchetti:2010:EAL**
Luca Becchetti, Paolo Boldi, Carlos Castillo, and Aristides Gionis. Efficient algorithms

- for large-scale local triangle counting. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(3):13:1–13:??, October 2010. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [BBD⁺07] Roberto Bayardop, Kristin P. Bennett, Gautam Das, Dimitrios Gunopulos, and Johannes Gunopulos. Introduction to special issue ACM SIGKDD 2006. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(3):9:1–9:??, December 2007. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [BBK19] **Barton:2019:CIG** Tomas Barton, Tomas Bruna, and Pavel Kordik. Chameleon 2: an improved graph-based clustering algorithm. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 13(1):10:1–10:??, January 2019. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [BC18] **Bonab:2018:GGO** Hamed R. Bonab and Fazli Can. GOOWE: Geometrically optimum and online-weighted ensemble classifier for evolving data streams. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(2):25:1–25:??, March 2018. CO-
- DEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [BCK⁺18] **Bressan:2018:MCB** Marco Bressan, Flavio Chierichetti, Ravi Kumar, Stefano Leucci, and Alessandro Panconesi. Motif counting beyond five nodes. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(4):48:1–48:??, July 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [BES15] **Berardi:2015:UTR** Giacomo Berardi, Andrea Esuli, and Fabrizio Sebastiani. Utility-theoretic ranking for semiautomated text classification. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(1):6:1–6:??, July 2015. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [BFPP07] **Bohm:2007:RPF** Christian Böhm, Christos Faloutsos, Jia-Yu Pan, and Claudia Plant. RIC: Parameter-free noise-robust clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(3):10:1–10:??, December 2007. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [BFRL13] **Briggs:2013:IAM** Forrest Briggs, Xiaoli Z. Fern, Raviv Raich, and Qi Lou. In-

stance annotation for multi-instance multi-label learning. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(3):14:1–14:??, September 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Bhattacharya:2007:CER

[BG07]

Indrajit Bhattacharya and Lise Getoor. Collective entity resolution in relational data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(1):5:1–5:??, March 2007. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Bilgic:2009:RCM

[BG09]

Mustafa Bilgic and Lise Getoor. Reflect and correct: A misclassification prediction approach to active inference. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(4):20:1–20:??, November 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Burton:2014:DSC

[BGC14]

Scott H. Burton and Christophe G. Giraud-Carrier. Discovering social circles in directed graphs. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(4):21:1–21:??, August 2014. CODEN

???? ISSN 1556-4681 (print), 1556-472X (electronic).

Bonchi:2015:CCC

[BGG⁺15]

Francesco Bonchi, Aristides Gionis, Francesco Gullo, Charalampos E. Tsourakakis, and Antti Ukkonen. Chromatic correlation clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(4):34:1–34:??, June 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Bhattacharya:2012:CGC

[BGJV12]

Indrajit Bhattacharya, Shantanu Godbole, Sachindra Joshi, and Ashish Verma. Cross-guided clustering: Transfer of relevant supervision across tasks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(2):9:1–9:??, July 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Bayati:2013:MPA

[BGSW13]

Mohsen Bayati, David F. Gleich, Amin Saberi, and Ying Wang. Message-passing algorithms for sparse network alignment. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(1):3:1–3:??, March 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

- [BHW⁺17] **Bae:2017:SEF** Seung-Hee Bae, Daniel Halperin, Jevin D. West, Martin Rosvall, and Bill Howe. Scalable and efficient flow-based community detection for large-scale graph analysis. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(3):32:1–32:??, April 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [BIPR13] **Bellare:2013:ASE** Kedar Bellare, Suresh Iyengar, Aditya Parameswaran, and Vibhor Rastogi. Active sampling for entity matching with guarantees. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(3):12:1–12:??, September 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [BLW14] **Boedihardjo:2014:FEL** Arnold P. Boedihardjo, Chang-Tien Lu, and Bingsheng Wang. A framework for exploiting local information to enhance density estimation of data streams. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(1):2:1–2:??, August 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [BMTT18] **Belcastro:2018:GRA** Loris Belcastro, Fabrizio Marozzo, Domenico Talia, and Paolo Trunfio. G-RoI: Automatic region-of-interest detection driven by geotagged social media data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):27:1–27:??, April 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [BPW⁺18] **Bakerman:2018:TGH** Jordan Bakerman, Karl Pazdernik, Alyson Wilson, Geoffrey Fairchild, and Rian Bahran. Twitter geolocation: a hybrid approach. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):34:1–34:??, April 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [BWD10] **Bouguessa:2010:DKS** Mohamed Bouguessa, Shengrui Wang, and Benoit Dumas. Discovering knowledge-sharing communities in question-answering forums. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(1):3:1–3:??, December 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [CBLH12] **Chan:2012:CID** Jeffrey Chan, James Bailey, Christopher Leckie, and Michael Houle. ciForager: Incrementally discovering regions of correlated change in

- evolving graphs. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(3):11:1–11:??, October 2012. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [CBRB09] Loïc Cerf, Jérémy Besson, Céline Robardet, and Jean-François Boulicaut. Closed patterns meet n -ary relations. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(1):3:1–3:??, March 2009. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [CC12] Shumo Chu and James Cheng. Triangle listing in massive networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(4):17:1–17:??, December 2012. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [CC19] Hung-Hsuan Chen and Pu Chen. Differentiating regularization weights — a simple mechanism to alleviate cold start in recommender systems. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 13(1):8:1–8:??, January 2019. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3285954&ftid=2034261&&dwn=1&CFID=106386066&CFTOKEN=bb53e6c0a0b1d2a8-18838FAE-CFB4-9292-6DA337867DE3EA4E.
- [CCC09] Kun-Ta Chuang, Hung-Leng Chen, and Ming-Syan Chen. Feature-preserved sampling over streaming data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(4):15:1–15:??, January 2009. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [CCLZ18] Chaochao Chen, Kevin Chen-Chuan Chang, Qibing Li, and Xiaolin Zheng. Semi-supervised learning meets factorization: Learning to recommend with chain graph model. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(6):73:1–73:??, October 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [CDSV16] Pierluigi Crescenzi, Gianlorenzo D’angelo, Lorenzo Severini, and Yllka Velaj. Greedily improving our own closeness centrality in a network. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(1):9:1–9:??, August 2016. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

- [CFD10] **Cui:2010:LMN**
 Ying Cui, Xiaoli Z. Fern, and Jennifer G. Dy. Learning multiple nonredundant clusterings. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(3):15:1–15:??, October 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [CG15] **Chen:2015:AAS**
 Hung-Hsuan Chen and C. Lee Giles. ASCOS++: an asymmetric similarity measure for weighted networks to address the problem of SimRank. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(2):15:1–15:??, October 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [CGL18] **Chiasserini:2018:ACS**
 Carla-Fabiana Chiasserini, Michel Garetto, and Emili Leonardi. De-anonymizing clustered social networks by percolation graph matching. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(2):21:1–21:??, March 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [CGZW16] **Cheng:2016:CFR**
 Wei Cheng, Zhishan Guo, Xiang Zhang, and Wei Wang. CGC: a flexible and robust approach to integrating
- co-regularized multi-domain graph for clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):46:1–46:??, July 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [Che18] **Chen:2018:BGD**
 Hung-Hsuan Chen. Behavior2vec: Generating distributed representations of users’ behaviors on products for recommender systems. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(4):43:1–43:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [CKC+18] **Choo:2018:VVA**
 Jaegul Choo, Hannah Kim, Edward Clarkson, Zhicheng Liu, Changhyun Lee, Fuxin Li, Hanseung Lee, Ramakrishnan Kannan, Charles D. Stolper, John Stasko, and Hae-sun Park. VisIRR: a visual analytics system for information retrieval and recommendation for large-scale document data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1):8:1–8:??, February 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [CKMS08] **Cormode:2008:FHH**
 Graham Cormode, Flip Korn, S. Muthukrishnan, and Divesh

- Srivastava. Finding hierarchical heavy hitters in streaming data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(4):2:1–2:??, January 2008. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). [CNY+16]
- Chen:2018:MGC**
- [CL18] Xiaowei Chen and John C. S. Lui. Mining graphlet counts in online social networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(4):41:1–41:??, July 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- Chen:2012:LIS**
- [CLY12] Jianhui Chen, Ji Liu, and Jieping Ye. Learning incoherent sparse and low-rank patterns from multiple tasks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(4):22:1–22:??, February 2012. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- Campello:2015:HDE**
- [CMZS15] Ricardo J. G. B. Campello, Davoud Moulavi, Arthur Zimek, and Jörg Sander. Hierarchical density estimates for data clustering, visualization, and outlier detection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(1):5:1–5:??, July 2015. CO-
- DEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- Chang:2016:CSP**
- Xiaojun Chang, Feiping Nie, Yi Yang, Chengqi Zhang, and Heng Huang. Convex sparse PCA for unsupervised feature learning. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(1):3:1–3:??, August 2016. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- Cheng:2017:RCA**
- [CNZ+17] Wei Cheng, Jingchao Ni, Kai Zhang, Haifeng Chen, Guofei Jiang, Yu Shi, Xiang Zhang, and Wei Wang. Ranking causal anomalies for system fault diagnosis via temporal and dynamical analysis on vanishing correlations. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):40:1–40:??, August 2017. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- Costa:2018:MOC**
- [CO18] Gianni Costa and Riccardo Ortale. Mining overlapping communities and inner role assignments through Bayesian mixed-membership models of networks with context-dependent interactions. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(2):18:1–18:??, March 2018.

CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Chen:2010:BTA

[CPC10]

Ye Chen, Dmitry Pavlov, and John F. Canny. Behavioral targeting: The art of scaling up simple algorithms. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(4):17:1–17:??, October 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Coscia:2014:UHO

[CRGP14]

Michele Coscia, Giulio Rossetti, Fosca Giannotti, and Dino Pedreschi. Uncovering hierarchical and overlapping communities with a local-first approach. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(1):6:1–6:??, August 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Chen:2009:BAS

[CRST09]

Bee-Chung Chen, Raghu Ramakrishnan, Jude W. Shavlik, and Pradeep Tamma. Bellwether analysis: Searching for cost-effective query-defined predictors in large databases. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(1):5:1–5:??, March 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

[CSF⁺12]

Chattopadhyay:2012:MDA

Rita Chattopadhyay, Qian Sun, Wei Fan, Ian Davidson, Sethuraman Panchanathan, and Jieping Ye. Multisource domain adaptation and its application to early detection of fatigue. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(4):18:1–18:??, December 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Chakraborty:2016:PCS

[CSG⁺16]

Tanmoy Chakraborty, Sriram Srinivasan, Niloy Ganguly, Animesh Mukherjee, and Sanjukta Bhowmick. Permanence and community structure in complex networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(2):14:1–14:??, December 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Chakrabarti:2015:BPL

[CSSP15]

Aniket Chakrabarti, Venu Satuluri, Atreya Srivathsan, and Srinivasan Parthasarathy. A Bayesian perspective on locality sensitive hashing with extensions for kernel methods. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(2):19:1–19:??, October 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Chi:2009:ESC

- [CSZ⁺09] Yun Chi, Xiaodan Song, Dengyong Zhou, Koji Hino, and Belle L. Tseng. On evolutionary spectral clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(4):17:1–17:??, November 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Chen:2014:ISI

- [CT14] Wei Chen and Jie Tang. Introduction to special issue on computational aspects of social and information networks: Theory, methodologies, and applications (TKDD-CASIN). *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(1):1:1–1:??, February 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Chen:2016:EOL

- [CTX⁺17] Chen Chen, Hanghang Tong, Lei Xie, Lei Ying, and Qing He. Cross-dependency inference in multi-layered networks: a collaborative filtering perspective. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):42:1–42:??, August 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [CTZ16] Licong Cui, Shiqiang Tao, and Guo-Qiang Zhang. Biomedical ontology quality assurance using a big data approach. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):41:1–41:??, July 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [CTP⁺16] Chen Chen, Hanghang Tong, B. Aditya Prakash, Tina Eliassi-Rad, Michalis Faloutsos, and Christos Faloutsos. Eigen-optimization on large graphs by edge manipulation. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):49:1–49:??, July 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Chen:2017:CDI

- [Cui:2016:BOQ] Licong Cui, Shiqiang Tao, and Guo-Qiang Zhang. Biomedical ontology quality assurance using a big data approach. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):41:1–41:??, July 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Cui:2016:BOQ

- [Chattopadhyay:2013:BMA] Rita Chattopadhyay, Zheng Wang, Wei Fan, Ian Davidson, Sethuraman Panchanathan, and Jieping Ye. Batch mode active sampling based on marginal probability distribution matching. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(3):13:1–13:??, September 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Chattopadhyay:2013:BMA

- [CWF⁺13] Rita Chattopadhyay, Zheng Wang, Wei Fan, Ian Davidson, Sethuraman Panchanathan, and Jieping Ye. Batch mode active sampling based on marginal probability distribution matching. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(3):13:1–13:??, September 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

- [CX10] **Chen:2010:BBI** Jinlin Chen and Keli Xiao. BISC: A bitmap itemset support counting approach for efficient frequent itemset mining. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(3):12:1–12:??, October 2010. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [CZH18] **Chen:2018:LSB** Guangyong Chen, Fengyuan Zhu, and Pheng Ann Heng. Large-scale Bayesian probabilistic matrix factorization with memo-free distributed variational inference. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):31:1–31:??, April 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [CYOL16] **Chang:2016:LMB** Yi Chang, Makoto Yamada, Antonio Ortega, and Yan Liu. Lifecycle modeling for buzz temporal pattern discovery. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(2):20:1–20:??, December 2016. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [CZY11] **Cheng:2011:CLA** Hong Cheng, Yang Zhou, and Jeffrey Xu Yu. Clustering large attributed graphs: A balance between structural and attribute similarities. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(2):12:1–12:??, February 2011. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [CYT⁺17] **Costa:2017:MTA** Alceu Ferraz Costa, Yuto Yamaguchi, Agma Juci Machado Traina, Caetano Traina Jr., and Christos Faloutsos. Modeling temporal activity to detect anomalous behavior in social media. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):49:1–49:??, August 2017. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [DA18] **Datta:2018:CVC** Srayan Datta and Eytan Adar. CommunityDiff: Visualizing community clustering algorithms. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1):11:1–11:??, February 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [DAR09] **Domeniconi:2009:WCE** Carlotta Domeniconi and Muna Al-Razgan. Weighted cluster ensembles: Methods

- and analysis. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(4):17:1–17:??, January 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [DD09] **Dhurandhar:2009:SAM**
Amit Dhurandhar and Alin Dobra. Semi-analytical method for analyzing models and model selection measures based on moment analysis. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(1):2:1–2:??, March 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [DERU17] **DeStefani:2017:TCL**
Lorenzo De Stefani, Alessandro Epasto, Matteo Riondato, and Eli Upfal. TRIEST: Counting local and global triangles in fully dynamic streams with fixed memory size. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):43:1–43:??, August 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [DG10] **Deodhar:2010:SFS**
Meghana Deodhar and Joydeep Ghosh. SCOAL: A framework for simultaneous co-clustering and learning from complex data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(3):11:1–11:??, October 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [DGB16] **Duarte:2016:AMR**
João Duarte, João Gama, and Albert Bifet. Adaptive model rules from high-speed data streams. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(3):30:1–30:??, February 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [DKA11] **Dunlavy:2011:TLP**
Daniel M. Dunlavy, Tamara G. Kolda, and Evrim Acar. Temporal link prediction using matrix and tensor factorizations. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(2):10:1–10:??, February 2011. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [DKSL18] **Di:2018:LSA**
Mingyang Di, Diego Klambjan, Long Sha, and Patrick Lucey. Large-scale adversarial sports play retrieval with learning to rank. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(6):69:1–69:??, October 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

- Das:2012:MIG**
- [DMI12] Sanmay Das and Malik Magdon-Ismael. A model for information growth in collective wisdom processes. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(2):6:1–6:??, July 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- DosSantos:2018:RLC**
- [DPDG18] Ludovic Dos Santos, Benjamin Piwowarski, Ludovic Denoyer, and Patrick Gallinari. Representation learning for classification in heterogeneous graphs with application to social networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(5):62:1–62:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Duan:2014:SRC**
- [DSL⁺14] Lian Duan, W. Nick Street, Yanchi Liu, Songhua Xu, and Brook Wu. Selecting the right correlation measure for binary data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(2):13:1–13:??, September 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- deVries:2011:RRL**
- [dVKCC11] Timothy de Vries, Hui Ke, Sanjay Chawla, and Peter Christen. Robust record linkage blocking using suffix arrays and Bloom filters. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(2):9:1–9:??, February 2011. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Erdo:2014:RGN**
- [EGT14] Dóra Erdős, Rainer Gemulla, and Evimaria Terzi. Reconstructing graphs from neighborhood data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(4):23:1–23:??, August 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Elkan:2012:GES**
- [EK12] Charles Elkan and Yehuda Koren. Guest editorial for special issue KDD’10. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(4):18:1–18:??, February 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Eyal:2014:PIM**
- [ERSK14] Ron Eyal, Avi Rosenfeld, Sigal Sina, and Sarit Kraus. Predicting and identifying missing node information in social networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(3):14:1–14:??, June 2014. CODEN ???? ISSN 1556-

4681 (print), 1556-472X (electronic).

Esuli:2015:OTQ

- [ES15] Andrea Esuli and Fabrizio Sebastiani. Optimizing text quantifiers for multivariate loss functions. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(4):27:1–27:??, June 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Feng:2017:RBC

- [FCWQ17] Shanshan Feng, Jian Cao, Jie Wang, and Shiyong Qian. Recommendations based on comprehensively exploiting the latent factors hidden in items' ratings and content. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(3):35:1–35:??, April 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Fei:2014:SSB

- [FH14] Hongliang Fei and Jun Huan. Structured sparse boosting for graph classification. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(1):4:1–4:??, August 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Fountoulakis:2017:RRA

- [FKKD17] Kimon Fountoulakis, Abhisek Kundu, Eugenia-Maria Kon-

topoulou, and Petros Drineas. A randomized rounding algorithm for sparse PCA. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(3):38:1–38:??, April 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Fujiwara:2009:FLS

- [FSK09] Yasuhiro Fujiwara, Yasushi Sakurai, and Masaru Kit- suregawa. Fast likelihood search for hidden Markov models. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(4):18:1–18:??, November 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Fu:2016:MGD

- [FXG+16] Yanjie Fu, Hui Xiong, Yong Ge, Yu Zheng, Zijun Yao, and Zhi-Hua Zhou. Modeling of geographic dependencies for real estate ranking. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(1):11:1–11:??, August 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Gundecha:2014:UVR

- [GBTL14] Pritam Gundecha, Geoffrey Barbier, Jiliang Tang, and Huan Liu. User vulnerability and its reduction on a social networking site. *ACM Transactions on Knowledge Discov-*

- ery from Data (TKDD)*, 9(2): 12:1–12:??, September 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [GEG⁺08] Rong Ge, Martin Ester, Byron J. Gao, Zengjian Hu, Binay Bhattacharya, and Boaz Ben-Moshe. Joint cluster analysis of attribute data and relationship data: The connected k -center problem, algorithms and applications. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(2): 7:1–7:??, July 2008. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [GG08] Gunjan Gupta and Joydeep Ghosh. Bregman bubble clustering: a robust framework for mining dense clusters. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(2):8:1–8:??, July 2008. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [GGLP15] Gianluigi Greco, Antonella Guzzo, Francesco Lupia, and Luigi Pontieri. Process discovery under precedence constraints. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(4): 32:1–32:??, June 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [GJ16] Zekai J. Gao and Chris Jermaine. Distributed algorithms for computing very large thresholded covariance matrices. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(2): 12:1–12:??, December 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [GJDX14] Yong Ge, Guofei Jiang, Min Ding, and Hui Xiong. Ranking metric anomaly in invariant networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(2):8:1–8:??, June 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [GL15] Aristides Gionis and Hang Li. Introduction to the special issue ACM SIGKDD 2013. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(3):15:1–15:??, April 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [GM18] Esther Galbrun and Pauli Miettinen. Mining redescrptions with siren. *ACM Transactions on Knowledge Discovery from*

Ge:2008:JCA**Gao:2016:DAC****Ge:2014:RMA****Gupta:2008:BBC****Gionis:2015:ISI****Greco:2015:PDU****Galbrun:2018:MRS**

- Data (TKDD)*, 12(1):6:1–6:??, February 2018. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic). [GRLK12]
- Gionis:2007:ADM**
- [GMMT07] Aristides Gionis, Heikki Mannila, Taneli Mielikäinen, and Panayiotis Tsaparas. Assessing data mining results via swap randomization. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(3):14:1–14:??, December 2007. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic). [GSST16]
- Guzzo:2013:SIF**
- [GMSS13] Antonella Guzzo, Luigi Moccia, Domenico Saccà, and Edoardo Serra. Solving inverse frequent itemset mining with infrequency constraints via large-scale linear programs. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(4):18:1–18:??, November 2013. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic). [GSTC12]
- Gionis:2007:CA**
- [GMT07] Aristides Gionis, Heikki Mannila, and Panayiotis Tsaparas. Clustering aggregation. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(1):4:1–4:??, March 2007. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic). [GWZZ17]
- Gomez-Rodriguez:2012:IND**
- Manuel Gomez-Rodriguez, Jure Leskovec, and Andreas Krause. Inferring networks of diffusion and influence. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(4):21:1–21:??, February 2012. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic).
- Grabocka:2016:LTS**
- Josif Grabocka, Nicolas Schilling, and Lars Schmidt-Thieme. Latent time-series motifs. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(1):6:1–6:??, August 2016. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic).
- Ghosh:2012:SIB**
- Joydeep Ghosh, Padhraic Smyth, Andrew Tomkins, and Rich Caruana. Special issue on best of SIGKDD 2011. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(4):14:1–14:??, December 2012. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic).
- Guo:2017:CSN**
- Ting Guo, Jia Wu, Xingquan Zhu, and Chengqi Zhang. Combining structured node content and topology information for networked graph

- clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(3): 29:1–29:??, April 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [GY15] Siddharth Gopal and Yiming Yang. Hierarchical Bayesian inference and recursive regularization for large-scale classification. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(3): 18:1–18:??, April 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [GZXF16] Zhen Guo, Zhongfei (Mark) Zhang, Eric P. Xing, and Christos Faloutsos. Multi-modal data mining in a multimedia database based on structured max margin learning. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(3):23:1–23:??, February 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [HAKU⁺08] Kosuke Hashimoto, Kiyoko Flora Aoki-Kinoshita, Nobuhisa Ueda, Minoru Kanehisa, and Hiroshi Mamitsuka. A new efficient probabilistic model for mining labeled ordered trees applied to glycobiology. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(1):6:1–6:??, March 2008. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [Han07] Jiawei Han. Introduction. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(1):1:1–1:??, March 2007. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [HCC⁺18] Zhipeng Huang, Bogdan Cautis, Reynold Cheng, Yudian Zheng, Nikos Mamoulis, and Jing Yan. Entity-based query recommendation for long-tail queries. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(6):64:1–64:??, October 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [HCZ⁺14] Baoxing Huai, Enhong Chen, Hengshu Zhu, Hui Xiong, Tengfei Bao, Qi Liu, and Jilei Tian. Toward personalized context recognition for mobile users: a semisupervised Bayesian HMM approach. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(2): 10:1–10:??, September 2014. CODEN ???? ISSN 1556-

- 4681 (print), 1556-472X (electronic).
- [HDC07] Jen-Wei Huang, Bi-Ru Dai, and Ming-Syan Chen. Twain: Two-end association miner with precise frequent exhibition periods. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(2):8:1–8:??, August 2007. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [HDQ⁺18] Guang-Neng Hu, Xin-Yu Dai, Feng-Yu Qiu, Rui Xia, Tao Li, Shu-Jian Huang, and Jia-Jun Chen. Collaborative filtering with topic and social latent factors incorporating implicit feedback. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(2):23:1–23:??, March 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [HDT⁺18] Hong Huang, Yuxiao Dong, Jie Tang, Hongxia Yang, Nitesh V. Chawla, and Xiaoming Fu. Will triadic closure strengthen ties in social networks? *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):30:1–30:??, April 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [HF12] **Huang:2007:TTE** Seungil Huh and Stephen E. Fienberg. Discriminative topic modeling based on manifold learning. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(4):20:1–20:??, February 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [HGV⁺08] **Huh:2012:DTM** M. Halkidi, D. Gunopulos, M. Vazirgiannis, N. Kumar, and C. Domeniconi. A clustering framework based on subjective and objective validity criteria. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(4):4:1–4:??, January 2008. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [HHZ⁺18] **Halkidi:2008:CFB** Shuji Hao, Peiying Hu, Peilin Zhao, Steven C. H. Hoi, and Chunyan Miao. Online active learning with expert advice. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(5):58:1–58:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [HK18] **Hao:2018:OAL** Xinran He and David Kempe. Stability and robustness in influence maximization. *ACM*
- [Huh:2012:DTM] Seungil Huh and Stephen E. Fienberg. Discriminative topic modeling based on manifold learning. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(4):20:1–20:??, February 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [Halkidi:2008:CFB] M. Halkidi, D. Gunopulos, M. Vazirgiannis, N. Kumar, and C. Domeniconi. A clustering framework based on subjective and objective validity criteria. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(4):4:1–4:??, January 2008. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [Hao:2018:OAL] Shuji Hao, Peiying Hu, Peilin Zhao, Steven C. H. Hoi, and Chunyan Miao. Online active learning with expert advice. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(5):58:1–58:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [He:2018:SRI] Xinran He and David Kempe. Stability and robustness in influence maximization. *ACM*

Transactions on Knowledge Discovery from Data (TKDD), 12(6):66:1–66:??, October 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

Huang:2018:GEF

[HLZH18]

Xiao Huang, Jundong Li, Na Zou, and Xia Hu. A general embedding framework for heterogeneous information learning in large-scale networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(6):70:1–70:??, October 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

Huang:2013:STP

[HNH⁺13]

Jin Huang, Feiping Nie, Heng Huang, Yi-Cheng Tu, and Yu Lei. Social trust prediction using heterogeneous networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(4):17:1–17:??, November 2013. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

Huang:2014:RMN

[HNHD14]

Jin Huang, Feiping Nie, Heng Huang, and Chris Ding. Robust manifold nonnegative matrix factorization. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(3):11:1–11:??, June 2014. CODEN ????. ISSN 1556-

4681 (print), 1556-472X (electronic).

Hernandez-Orallo:2014:PRC

[HO14]

José Hernández-Orallo. Probabilistic reframing for cost-sensitive regression. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(4):17:1–17:??, August 2014. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

Huang:2014:PBA

[HQYY14]

Hao Huang, Hong Qin, Shin-jae Yoo, and Dantong Yu. Physics-based anomaly detection defined on manifold space. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(2):14:1–14:??, September 2014. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

Hooi:2017:GBF

[HSS⁺17]

Bryan Hooi, Kijung Shin, Hyun Ah Song, Alex Beutel, Neil Shah, and Christos Faloutsos. Graph-based fraud detection in the face of camouflage. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):44:1–44:??, August 2017. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

- [HYYQ15] **Huang:2015:DAC**
Hao Huang, Shinjae Yoo, Dantong Yu, and Hong Qin. Density-aware clustering based on aggregated heat kernel and its transformation. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(4):29:1–29:??, June 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [HZW⁺15] **Hu:2015:PSD**
Juhua Hu, De-Chuan Zhan, Xintao Wu, Yuan Jiang, and Zhi-Hua Zhou. Pairwise specific distance learning from physical linkages. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(3):20:1–20:??, April 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [HZZ⁺15] **Hong:2015:CAR**
Liang Hong, Lei Zou, Cheng Zeng, Luming Zhang, Jian Wang, and Jilei Tian. Context-aware recommendation using role-based trust network. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(2):13:1–13:??, October 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [IHS07] **Ihler:2007:LDE**
Alexander Ihler, Jon Hutchins, and Padhraic Smyth. Learning to detect events with Markov-modulated Poisson processes. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(3):13:1–13:??, December 2007. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [II08] **Islam:2008:STS**
Aminul Islam and Diana Inkpen. Semantic text similarity using corpus-based word similarity and string similarity. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(2):10:1–10:??, July 2008. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [IPM12] **Ienco:2012:CDL**
Dino Ienco, Ruggero G. Pensa, and Rosa Meo. From context to distance: Learning dissimilarity for categorical data clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(1):1:1–1:??, March 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [IYSU12] **Iwata:2012:SMT**
Tomoharu Iwata, Takeshi Yamada, Yasushi Sakurai, and Naonori Ueda. Sequential modeling of topic dynamics with multiple timescales. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(4):19:1–19:??, February 2012. CODEN ???? ISSN 1556-

4681 (print), 1556-472X (electronic).

Jiang:2016:CSB

[JCB⁺16]

Meng Jiang, Peng Cui, Alex Beutel, Christos Faloutsos, and Shiqiang Yang. Catching synchronized behaviors in large networks: a graph mining approach. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):35:1–35:??, July 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Jin:2012:MML

[JDE⁺12]

Yu Jin, Nick Duffield, Jeffrey Erman, Patrick Haffner, Subhabrata Sen, and Zhi-Li Zhang. A modular machine learning system for flow-level traffic classification in large networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(1):4:1–4:??, March 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Jaysawal:2019:PAP

[JH19]

Bijay Prasad Jaysawal and Jen-Wei Huang. PSP-AMS: Progressive mining of sequential patterns across multiple streams. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 13(1):5:1–5:??, January 2019. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3281632&ftid=2026990&dwn=1&CFID=106386066&CFTOKEN=bb53e6c0a0b1d2a8-18838FAE-CFB4-9292-6DA337867DE3EA4E.

Ji:2013:PFR

[JLH⁺13]

Ming Ji, Binbin Lin, Xiaofei He, Deng Cai, and Jiawei Han. Parallel field ranking. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(3):15:1–15:??, September 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Jin:2014:SAR

[JLL14]

Ruoming Jin, Victor E. Lee, and Longjie Li. Scalable and axiomatic ranking of network role similarity. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(1):3:1–3:??, February 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Jin:2008:CMM

[JMR08]

Ying Jin, T. M. Murali, and Naren Ramakrishnan. Compositional mining of multirelational biological datasets. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(1):2:1–2:??, March 2008. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Jiang:2009:MFC

[JP09]

Daxin Jiang and Jian Pei. Mining frequent cross-graph

- quasi-cliques. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(4):16:1–16:??, January 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [JSP15] **Jha:2015:SES** [KBR⁺16] Madhav Jha, C. Seshadhri, and Ali Pinar. A space-efficient streaming algorithm for estimating transitivity and triangle counts using the birthday paradox. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(3):15:1–15:??, February 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [JSV⁺15] **Jia:2015:SGR** [KHTR18] Adele Lu Jia, Siqi Shen, Ruud Van De Bovenkamp, Alexandru Iosup, Fernando Kuipers, and Dick H. J. Epema. Socializing by gaming: Revealing social relationships in multiplayer online games. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(2):11:1–11:??, October 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [JTYY10] **Ji:2010:SSL** [KKZ09] Shuiwang Ji, Lei Tang, Shipeng Yu, and Jieping Ye. A shared-subspace learning framework for multi-label classification. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(2):8:1–8:??, May 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Kumar:2016:ACT** Dheeraj Kumar, James C. Bezdek, Sutharshan Rajasegarar, Marimuthu Palaniswami, Christopher Leckie, Jeffrey Chan, and Jayavardhana Gubbi. Adaptive cluster tendency visualization and anomaly detection for streaming data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(2):24:1–24:??, December 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Khodadadi:2018:CTU** Ali Khodadadi, Seyed Abbas Hosseini, Erfan Tavakoli, and Hamid R. Rabiee. Continuous-time user modeling in presence of badges: a probabilistic approach. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):37:1–37:??, April 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Kriegel:2009:CHD** Hans-Peter Kriegel, Peer Kröger, and Arthur Zimek. Clustering high-dimensional data: A survey on subspace clustering, pattern-based clus-

- tering, and correlation clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(1):1:1–1:??, March 2009. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic). [KP18]
- [KN18] **Kamat:2018:SBA**
Niranjan Kamat and Arnab Nandi. A session-based approach to fast-but-approximate interactive data cube exploration. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1):9:1–9:??, February 2018. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic). [KR16]
- [KNV07] **Koren:2007:MEP**
Yehuda Koren, Stephen C. North, and Chris Volinsky. Measuring and extracting proximity graphs in networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(3):12:1–12:??, December 2007. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic). [KRPS12]
- [Kor10] **Koren:2010:FNS**
Yehuda Koren. Factor in the neighbors: Scalable and accurate collaborative filtering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(1):1:1–1:??, January 2010. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic). [KSM09]
- Kaushal:2018:ETP**
Vishal Kaushal and Manasi Patwardhan. Emerging trends in personality identification using online social networks—a literature survey. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(2):15:1–15:??, March 2018. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic).
- Koh:2016:URP**
Yun Sing Koh and Sri Devi Ravana. Unsupervised rare pattern mining: a survey. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):45:1–45:??, July 2016. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic).
- Kaufman:2012:LDM**
Shachar Kaufman, Saharon Rosset, Claudia Perlich, and Ori Stitelman. Leakage in data mining: Formulation, detection, and avoidance. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(4):15:1–15:??, December 2012. CODEN ????, ISSN 1556-4681 (print), 1556-472X (electronic).
- Kimura:2009:BLM**
Masahiro Kimura, Kazumi Saito, and Hiroshi Motoda. Blocking links to minimize contamination spread in a so-

- cial network. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(2):9:1–9:??, April 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [KUU10]
- Koutra:2016:DPM**
- [KSV⁺16] Danai Koutra, Neil Shah, Joshua T. Vogelstein, Brian Gallagher, and Christos Faloutsos. DeltaCon: Principled massive-graph similarity function with attribution. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(3):28:1–28:??, February 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Kiernan:2009:CCS**
- [KT09] Jerry Kiernan and Evimaria Terzi. Constructing comprehensive summaries of large event sequences. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(4):21:1–21:??, November 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Kang:2011:HMR**
- [KTA⁺11] U. Kang, Charalampos E. Tsourakakis, Ana Paula Appel, Christos Faloutsos, and Jure Leskovec. HADI: Mining radii of large graphs. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(2):8:1–8:??, February 2011. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [LCCM19]
- Kandylas:2010:AKC**
- Vasileios Kandylas, S. Phineas Upham, and Lyle H. Ungar. Analyzing knowledge communities using foreground and background clusters. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(2):7:1–7:??, May 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Liang:2018:PRA**
- [LAN⁺18] Jiongqian Liang, Deepak Ajwani, Patrick K. Nicholson, Alessandra Sala, and Srinivasan Parthasarathy. Prioritized relationship analysis in heterogeneous information networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):29:1–29:??, April 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Lagree:2019:AOI**
- Paul Lagrée, Olivier Cappé, Bogdan Cautis, and Silviu Maniu. Algorithms for online influencer marketing. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 13(1):3:1–3:??, January 2019. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3274670&ftid=2026989

&dwn=1\&CFID=106386066\&
CFTOKEN=bb53e6c0a0b1d2a8-
18838FAE-CFB4-9292-6DA337867DE3EA4E.■

Liu:2018:MAD

[LCG⁺18]

Xiaoli Liu, Peng Cao, André R. Gonçalves, Dazhe Zhao, and Arindam Banerjee. Modeling Alzheimer’s disease progression with fused Laplacian sparse group lasso. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(6):65:1–65:??, October 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Liu:2017:SPM

[LCLL17]

Xutong Liu, Feng Chen, Yen-Cheng Lu, and Chang-Tien Lu. Spatial prediction for multivariate non-Gaussian data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(3):36:1–36:??, April 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Liu:2014:ADI

[LCN14]

Siyuan Liu, Lei Chen, and Lionel M. Ni. Anomaly detection from incomplete data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(2):11:1–11:??, September 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Loh:2007:EEL

[LCZ07]

Wei-Yin Loh, Chien-Wei

Chen, and Wei Zheng. Extrapolation errors in linear model trees. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(2):6:1–6:??, August 2007. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Lin:2009:ACT

[LCZ⁺09]

Yu-Ru Lin, Yun Chi, Shenghuo Zhu, Hari Sundaram, and Belle L. Tseng. Analyzing communities and their evolutions in dynamic social networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(2):8:1–8:??, April 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Liu:2018:CGM

[LF18]

Hongfu Liu and Yun Fu. Consensus guided multi-view clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(4):42:1–42:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Liu:2017:MBM

[LFC⁺17]

Guannan Liu, Yanjie Fu, Guoqing Chen, Hui Xiong, and Can Chen. Modeling buying motives for personalized product bundle recommendation. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(3):28:1–28:??, April 2017. CODEN

- ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Lim:2018:MEA**
- [LJK18] **Liu:2010:BBM** Yongsub Lim, Minsoo Jung, and U. Kang. Memory-efficient and accurate sampling for counting local triangles in graph streams: From simple to multigraphs. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1):4:1–4:??, February 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [LGF10] Chao Liu, Fan Guo, and Christos Faloutsos. Bayesian browsing model: Exact inference of document relevance from petabyte-scale data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(4):19:1–19:??, October 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Lin:2015:IMS**
- [LHK⁺18] **Li:2018:LSC** Bing-Rong Lin and Daniel Kifer. Information measures in statistical privacy and data processing applications. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(4):28:1–28:??, June 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [LHKG13] **Li:2013:CWM** Jure Leskovec, Jon Kleinberg, and Christos Faloutsos. Graph evolution: Densification and shrinking diameters. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(1):2:1–2:??, March 2007. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Li:2016:CBN**
- [LLW16] Bin Li, Steven C. H. Hoi, Peilin Zhao, and Vivekanand Gopalkrishnan. Confidence weighted mean reversion strategy for online portfolio selection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(1):4:1–4:??, March 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). Xiang Li, Charles X. Ling, and Huaimin Wang. The convergence behavior of naive Bayes

- on large sparse datasets. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(1):10:1–10:??, August 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [LML⁺16] **Lorenzetti:2016:MTS** Carlos Lorenzetti, Ana Maitman, David Leake, Filippo Menczer, and Thomas Reichherzer. Mining for topics to suggest knowledge model extensions. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(2):23:1–23:??, December 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [LNG18] **LaFond:2018:DSC** Timothy La Fond, Jennifer Neville, and Brian Gallagher. Designing size consistent statistics for accurate anomaly detection in dynamic networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(4):46:1–46:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [LNR08] **Lakshmanan:2008:DRA** Laks V. S. Lakshmanan, Raymond T. Ng, and Ganesh Ramesh. On disclosure risk analysis of anonymized itemsets in the presence of prior knowledge. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(3):13:1–13:??, October 2008. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [LPK⁺15] **Li:2015:RUC** Lei Li, Wei Peng, Saurabh Kataria, Tong Sun, and Tao Li. Recommending users and communities in social media. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(2):17:1–17:??, October 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [LQW15] **Liu:2015:RAT** Siyuan Liu, Qiang Qu, and Shuhui Wang. Rationality analytics from trajectories. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(1):10:1–10:??, July 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [LQW⁺18] **Li:2018:CQE** Feijiang Li, Yuhua Qian, Jieting Wang, Chuangyin Dang, and Bing Liu. Cluster’s quality evaluation and selective clustering ensemble. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(5):60:1–60:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

- [LSF18] Sheng Li, Ming Shao, and Yun Fu. Multi-view low-rank analysis with applications to outlier detection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):32:1–32:??, April 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Li:2018:MVL**
- [LSY⁺09] Sheng Li, Ming Shao, and Yun Fu. Multi-view low-rank analysis with applications to outlier detection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):32:1–32:??, April 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Liu:2009:ISI**
- [LSGZ19] Xiaoming Liu, Chao Shen, Xiaohong Guan, and Yadong Zhou. Digger: Detect similar groups in heterogeneous social networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 13(1):2:1–2:??, January 2019. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3267106&ftid=2026988&dwn=1&CFID=106386066&CFTOKEN=bb53e6c0a0b1d2a8-18838FAE-CFB4-9292-6DA337867DE3EA4E. **Liu:2019:DDS**
- [LT10] Kun Liu and Evimaria Terzi. A framework for computing the privacy scores of users in online social networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(1):6:1–6:??, December 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Liu:2010:FCP**
- [LSS⁺11] Yu-Ru Lin, Jimeng Sun, Hari Sundaram, Aisling Kelliher, Paul Castro, and Ravi Konuru. Community discovery via metagraph factorization. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(3):17:1–17:??, August 2011. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Lin:2011:CDM**
- [LTH⁺13] Tiancheng Lou, Jie Tang, John Hopcroft, and Zhanpeng Lou. Time series classification with HIVECOTE: The hierarchical vote collective of transformation-based ensembles. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(5):52:1–52:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Lines:2018:TSC**
- [LTH⁺13] Tiancheng Lou, Jie Tang, John Hopcroft, and Zhanpeng Lou. Time series classification with HIVECOTE: The hierarchical vote collective of transformation-based ensembles. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(5):52:1–52:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Lou:2013:LPR**

- Fang, and Xiaowen Ding. Learning to predict reciprocity and triadic closure in social networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(2):5:1–5:??, July 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [LWG⁺16]
- [LTN⁺08] Yijuan Lu, Qi Tian, Jennifer Neary, Feng Liu, and Yufeng Wang. Adaptive discriminant analysis for microarray-based classification. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(1):5:1–5:??, March 2008. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [Lu:2008:ADA]
- [LTZ12] Fei Tony Liu, Kai Ming Ting, and Zhi-Hua Zhou. Isolation-based anomaly detection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(1):3:1–3:??, March 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [Liu:2012:IBA]
- [LV18] Bo Li and Yevgeniy Vorobeychik. Evasion-robust classification on binary domains. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(4):50:1–50:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [Li:2018:ERC]
- [LWLW18] Peipei Li, Haixun Wang, Hongsong Li, and Xindong Wu. Employing semantic context for sparse information extraction assessment. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(5):54:1–54:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [Li:2018:ESC]
- [LWW18] Cheng Long, Raymond Chi-Wing Wong, and Victor Jun-qi Wei. Profit maximization with sufficient customer satisfactions. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(2):19:1–19:??, March 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [Long:2018:PMS]
- [LWY16] Yashu Liu, Jie Wang, and Jieping Ye. An efficient al- [Liu:2016:SAU]
- Bin Liu, Yao Wu, Neil Zhen-qiang Gong, Junjie Wu, Hui Xiong, and Martin Ester. Structural analysis of user choices for mobile app recommendation. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(2):17:1–17:??, December 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [Liu:2016:EAW]

- gorithm for weak hierarchical lasso. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(3):32:1–32:??, February 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [LWZ14] **Lin:2014:SCR** [LZD16] Ming Lin, Shifeng Weng, and Changshui Zhang. On the sample complexity of random Fourier features for online learning: How many random Fourier features do we need? *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(3):13:1–13:??, June 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [LXY⁺17] **Liu:2017:IPV** Qi Liu, Biao Xiang, Nicholas Jing Yuan, Enhong Chen, Hui Xiong, Yi Zheng, and Yu Yang. An influence propagation view of PageRank. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(3):30:1–30:??, April 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [LYWL12] **Li:2012:EMG** Chun Li, Qingyan Yang, Jianyong Wang, and Ming Li. Efficient mining of gap-constrained subsequences and its various applications. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(1):2:1–2:??, March 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [LZD16] **Lu:2016:SCB** Faming Lu, Qingtian Zeng, and Hua Duan. Synchronization-core-based discovery of processes with decomposable cyclic dependencies. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(3):31:1–31:??, February 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [LZF⁺15] **Liu:2015:SEH** Guimei Liu, Haojun Zhang, Mengling Feng, Limsoon Wong, and See-Kiong Ng. Supporting exploratory hypothesis testing and analysis. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(4):31:1–31:??, June 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [MA16] **McDowell:2016:LNA** Luke K. McDowell and David W. Aha. Leveraging neighbor attributes for classification in sparsely labeled networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(1):2:1–2:??, August 2016. CODEN ???? ISSN

1556-4681 (print), 1556-472X (electronic).

Mohammadi:2018:COA

- [MAHT18] Majid Mohammadi, Amir Ahooye Atashin, Wout Hofman, and Yaohua Tan. Comparison of ontology alignment systems across single matching task via the McNemar’s test. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(4):51:1–51:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [ME11]

Makki:2018:AVV

- [MCS⁺18] Raheleh Makki, Eder Carvalho, Axel J. Soto, Stephen Brooks, Maria Cristina Ferreira De Oliveira, Evangelos Milios, and Rosane Minghim. ATR-Vis: Visual and interactive information retrieval for parliamentary discussions in Twitter. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1):3:1–3:??, February 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [MFHL10]

Magdalinos:2011:ECQ

- [MDV11] Panagis Magdalinos, Christos Doukeridis, and Michalis Vazirgiannis. Enhancing clustering quality through landmark-based dimensionality reduction. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(2):11:1–11:??, February 2011. [MG09]

CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Menon:2011:FAA

Aditya Krishna Menon and Charles Elkan. Fast algorithms for approximating the singular value decomposition. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(2):13:1–13:??, February 2011. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Mohammed:2010:CDA

Noman Mohammed, Benjamin C. M. Fung, Patrick C. K. Hung, and Cheuk-Kwong Lee. Centralized and distributed anonymization for high-dimensional health-care data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(4):18:1–18:??, October 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Mannila:2009:ATS

Heikki Mannila and Dimitrios Gunopulos. ACM TKDD special issue ACM SIGKDD 2007 and ACM SIGKDD 2008. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(4):15:1–15:??, November 2009. CODEN ???? ISSN 1556-

4681 (print), 1556-472X (electronic).

[ML15]

Moghaz:2019:TME

- [MHKG19] Dror Moghaz, Yaakov Hacohen-Kerner, and Dov Gabbay. Text mining for evaluating authors' birth and death years. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 13(1):7:1–7:??, January 2019. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3281631&ftid=2034260&dwn=1&CFID=106386066&CFTOKEN=bb53e6c0a0b1d2a8-18838FAE-CFB4-9292-6DA337867DE3EA4E. [MM12]

Machanavajjhala:2007:DPB

- [MKGV07] Ashwin Machanavajjhala, Daniel Kifer, Johannes Gehrke, and Muthuramakrishnan Venkatasubramanian. *L*-diversity: Privacy beyond *k*-anonymity. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(1):3:1–3:??, March 2007. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

Mcauley:2014:DSC

- [ML14] Julian McAuley and Jure Leskovec. Discovering social circles in ego networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(1):4:1–4:??, February 2014. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

Mirbakhsh:2015:ITR

Nima Mirbakhsh and Charles X. Ling. Improving top-*N* recommendation for cold-start users via cross-domain information. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(4):33:1–33:??, June 2015. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

Mavroeidis:2012:SSF

Dimitrios Mavroeidis and Panagis Magdalinos. A sequential sampling framework for spectral *k*-means based on efficient bootstrap accuracy estimations: Application to distributed clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(2):5:1–5:??, July 2012. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

Myers:2016:DAK

[MMMJ16]

Risa B. Myers, John C. Frenzel MD, Joseph R. Ruiz Md, and Christopher M. Jermaine. Do anesthesiologists know what they are doing? Mining a surgical time-series database to correlate expert assessment with outcomes. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(3):24:1–24:??, February 2016. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

- [MNK18] **Moreno:2018:TKP**
 Sebastian Moreno, Jennifer Neville, and Sergey Kirshner. Tied Kronecker product graph models to capture variance in network populations. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):35:1–35:??, April 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [MRJ11] **Maier:2011:INS**
 Marc Maier, Matthew Rattigan, and David Jensen. Indexing network structure with shortest-path trees. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(3):15:1–15:??, August 2011. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [MRTW19] **Murai:2019:CDU**
 Fabricio Murai, Bruno Ribeiro, Don Towlsey, and Pingshui Wang. Characterizing directed and undirected networks via multidimensional walks with jumps. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 13(1):11:1–11:??, January 2019. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [MS09] **Mehler:2009:ENC**
 Andrew Mehler and Steven Skiena. Expanding network communities from representa-
- [MV14] **Miettinen:2014:MMD**
 Pauli Miettinen and Jilles Vreeken. MDL4BMF: Minimum description length for Boolean matrix factorization. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(4):18:1–18:??, October 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [MVT12] **Mampaey:2012:SDS**
 Michael Mampaey, Jilles Vreeken, and Nikolaj Tatti. Summarizing data succinctly with the most informative itemsets. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(4):16:1–16:??, December 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [MWF08] **Mangasarian:2008:PPC**
 Olvi L. Mangasarian, Edward W. Wild, and Glenn M. Fung. Privacy-preserving classification of vertically partitioned data via random kernels. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(3):12:1–12:??, October 2008. CODEN
- tive examples. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(2):7:1–7:??, April 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

- ???? ISSN 1556-4681 (print), 1556-472X (electronic). [NTNP18]
- Mei:2007:SAF**
- [MXC⁺07] Qiaozhu Mei, Dong Xin, Hong Cheng, Jiawei Han, and Chengxiang Zhai. Semantic annotation of frequent patterns. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(3):11:1–11:??, December 2007. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Nesa:2018:IIG**
- [NGB18] Nashreen Nesa, Tania Ghosh, and Indrajit Banerjee. iGRM: Improved grey relational model and its ensembles for occupancy sensing in Internet of things applications. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(4):47:1–47:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [PA18]
- Namata:2016:CGI**
- [NLG16] Galileo Mark Namata, Ben London, and Lise Getoor. Collective graph identification. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(3):25:1–25:??, February 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [Pap15]
- Nguyen:2018:EUP**
- Minh-Tien Nguyen, Duc-Vu Tran, Le-Minh Nguyen, and Xuan-Hieu Phan. Exploiting user posts for Web document summarization. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(4):49:1–49:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Ordonez:2014:BVS**
- [OGAB14] Carlos Ordonez, Carlos Garcia-Alvarado, and Veerabhadaran Baladandayuthapani. Bayesian variable selection in linear regression in one pass for large datasets. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(1):3:1–3:??, August 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Perozzi:2018:DCA**
- Bryan Perozzi and Leman Akoglu. Discovering communities and anomalies in attributed graphs: Interactive visual exploration and summarization. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(2):24:1–24:??, March 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Papagelis:2015:RSG**
- Manos Papagelis. Refining social graph connectiv-

- ity via shortcut edge addition. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(2):12:1–12:??, October 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [PBMID14] Saurabh Paul, Christos Boutsidis, Malik Magdon-Ismael, and Petros Drineas. Random projections for linear support vector machines. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(4):22:1–22:??, October 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [PGR18] **Paul:2014:RPL** Divya Pandove, Shivan Goel, and Rinkl Rani. Systematic review of clustering high-dimensional and large datasets. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(2):16:1–16:??, March 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [PFS15] **Papalexakis:2015:PSP** Evangelos E. Papalexakis, Christos Faloutsos, and Nicholas D. Sidiropoulos. ParCube: Sparse parallelizable CANDECOMP-3 PARAFAC tensor decomposition. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(1):3:1–3:??, July 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [PFTR16] **Pei:2016:CCP** Yuanli Pei, Xiaoli Z. Fern, Teresa Vania Tjahja, and Rómer Rosales. Comparing clustering with pairwise and relative constraints: a unified framework. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(2):22:1–22:??, December 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [PKH⁺17] **Peng:2017:RGR** Chong Peng, Zhao Kang, Yunhong Hu, Jie Cheng, and Qiang Cheng. Robust graph regularized nonnegative matrix factorization for clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(3):33:1–33:??, April 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [PL10] **Plangprasopchok:2010:MSA** Anon Plangprasopchok and Kristina Lerman. Modeling social annotation: A Bayesian approach. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(1):4:1–4:??, December 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Plantevit:2010:MMM

- [PLL⁺10] Marc Plantevit, Anne Laurent, Dominique Laurent, Maguelonne Teisseire, and Yeow Wei Choong. Mining multidimensional and multi-level sequential patterns. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(1):4:1–4:??, January 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Park:2018:ETS

- [PSP⁺18] Ha-Myung Park, Francesco Silvestri, Rasmus Pagh, Chin-Wan Chung, Sung-Hyon Myaeng, and U. Kang. Enumerating trillion subgraphs on distributed systems. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(6):71:1–71:??, October 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Prat-Perez:2016:PTT

- [PPDSBLP16] Arnau Prat-Pérez, David Dominguez-Sal, Josep-M. Brunat, and Josep-Lluís Larriba-Pey. Put three and three together: Triangle-driven community detection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(3):22:1–22:??, February 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Peng:2018:MEO

- [PZW⁺18] Min Peng, Jiahui Zhu, Hua Wang, Xuhui Li, Yanchun Zhang, Xiuzhen Zhang, and Gang Tian. Mining event-oriented topics in microblog stream with unsupervised multi-view hierarchical embedding. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):38:1–38:??, April 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Peng:2013:EFF

- [PSFV13] Jing Peng, Guna Seetharaman, Wei Fan, and Aparna Varde. Exploiting Fisher and Fukunaga–Koontz transforms in Chernoff dimensionality reduction. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(2):8:1–8:??, July 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Qin:2018:STR

- [QSST18] Tian Qin, Wufan Shang-guan, Guojie Song, and Jie Tang. Spatio-temporal routine mining on mobile phone data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(5):56:1–56:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Qiao:2016:FST

- [QXBT16] Maoying Qiao, Richard Yi Da Xu, Wei Bian, and Dacheng Tao. Fast sampling for time-varying determinantal point processes. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(1):8:1–8:??, August 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Rayana:2016:LMB

- [RA16] Shebuti Rayana and Leman Akoglu. Less is more: Building selective anomaly ensembles. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):42:1–42:??, July 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Rayar:2018:VIS

- [RBBV18] Frédéric Rayar, Sabine Barrat, Fatma Bouali, and Gilles Venturini. A viewable indexing structure for the interactive exploration of dynamic and large image collections. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1):2:1–2:??, February 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Rakthanmanon:2013:ABD

- [RCM⁺13] Thanawin Rakthanmanon, Bilson Campana, Abdullah Mueen, Gustavo Batista, Brandon Westover, Qiang

Zhu, Jesin Zakaria, and Eamonn Keogh. Addressing big data time series: Mining trillions of time series subsequences under dynamic time warping. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(3):10:1–10:??, September 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Ramezani:2018:CDU

- [RKR18] Maryam Ramezani, Ali Khodadadi, and Hamid R. Rabiee. Community detection using diffusion information. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(2):20:1–20:??, March 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Rowe:2016:MUD

- [Row16] Matthew Rowe. Mining user development signals for online community churning detection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(3):21:1–21:??, February 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Ruggieri:2010:DMD

- [RPT10] Salvatore Ruggieri, Dino Pedreschi, and Franco Turini. Data mining for discrimination discovery. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(2):9:1–9:??,

- May 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [RU18]
- [RTG17] Polina Rozenstein, Nikolaj Tatti, and Aristides Gionis. Finding dynamic dense subgraphs. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(3):27:1–27:??, April 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [RTM18] Cristina Romero-Tris and David Megías. Protecting privacy in trajectories with a user-centric approach. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(6):67:1–67:??, October 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [RU14] Matteo Riondato and Eli Upfal. Efficient discovery of association rules and frequent itemsets through sampling with tight performance guarantees. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(4):20:1–20:??, October 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [SAS16] Karthik Subbian, Charu Aggarwal, and Jaideep Srivastava. Mining influencers using information flows in social streams. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(3):26:1–26:??, February 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [SBRE14] Asaf Shabtai, Maya Bercovitch, Lior Rokach, and Yuval Elovici. Optimizing data misuse detection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(3):16:1–16:??, June 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [SCS14] Claudio Schifanella, K. Selçuk Candan, and Maria Luisa Sapino. Multiresolution tensor decompositions with mode
- Riondato:2018:AAB**
- Matteo Riondato and Eli Upfal. ABRA: Approximating betweenness centrality in static and dynamic graphs with Rademacher averages. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(5):61:1–61:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Rozenshtein:2017:FDD**
- Romero-Tris:2018:PPT**
- Riondato:2014:EDA**
- Schifanella:2014:MTD**

hierarchies. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(2): 10:1–10:??, June 2014. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

Silva:2018:DMA

[SDS18]

Fabrício A. Silva, Augusto C. S. A. Domingues, and Thais R. M. Braga Silva. Discovering mobile application usage patterns from a large-scale dataset. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(5): 59:1–59:??, July 2018. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

[SG12]

of group lag correlations in streams. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(1):5:1–5:??, December 2010. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

Shahaf:2012:CTL

Dafna Shahaf and Carlos Guestrin. Connecting two (or less) dots: Discovering structure in news articles. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(4):24:1–24:??, February 2012. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

Song:2019:TCA

Qingquan Song, Hancheng Ge, James Caverlee, and Xia Hu. Tensor completion algorithms in big data analytics. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 13(1):6:1–6:??, January 2019. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3278607&ftid=2034259&dwn=1&CFID=106386066&CFTOKEN=bb53e6c0a0b1d2a8-18838FAE-CFB4-9292-6DA337867DE3EA4E.

Siddiqui:2019:SFE

[SGCH19]

[SFDW19]

Md Amran Siddiqui, Alan Fern, Thomas G. Dietterich, and Weng-Keen Wong. Sequential feature explanations for anomaly detection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 13(1):1:1–1:??, January 2019. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3230666&ftid=2034257&dwn=1&CFID=106386066&CFTOKEN=bb53e6c0a0b1d2a8-18838FAE-CFB4-9292-6DA337867DE3EA4E.

Sakurai:2010:FDG

[SH15]

[SFP10]

Yasushi Sakurai, Christos Faloutsos, and Spiros Papadimitriou. Fast discovery

of local group information to identify communities in networks. *ACM Transac-*

- tions on Knowledge Discovery from Data (*TKDD*), 9(3): 21:1–21:??, April 2015. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). [SKSÇ17]
- [SHF18] Kijung Shin, Bryan Hooi, and Christos Faloutsos. Fast, accurate, and flexible algorithms for dense subtensor mining. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):28:1–28:??, April 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Shin:2018:FAF**
- [SHL19] Doyen Sahoo, Steven C. H. Hoi, and Bin Li. Large scale online multiple kernel regression with application to time-series prediction. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 13(1): 9:1–9:??, January 2019. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Sahoo:2019:LSO**
- [SJR08] Manas Somaiya, Christopher Jermaine, and Sanjay Ranka. Learning correlations using the mixture-of-subsets model. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(4):3:1–3:??, January 2008. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Somaiya:2008:LCU**
- [SMA+08] Saurav Sahay, Sougata Mukherjea, Eugene Agichtein, Ernest V. Sarioyuce:2017:GMF Ahmet Erdem Sariyüce, Kamer Kaya, Erik Saule, and Ümit V. Çatalyürek. Graph manipulations for fast centrality computation. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(3):26:1–26:??, April 2017. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Sariyuce:2017:GMF**
- [SLTA11] Jimeng Sun, Yan Liu, Jie Tang, and Chid Apte. Introduction to special issue on large-scale data mining. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(2):7:1–7:??, February 2011. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Sun:2011:ISI**
- [SLW+18] Pavel Senin, Jessica Lin, Xing Wang, Tim Oates, Sunil Gandhi, Arnold P. Boedihardjo, Crystal Chen, and Susan Frankenstein. Grammar-Viz 3.0: Interactive discovery of variable-length time series patterns. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1):10:1–10:??, February 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Senin:2018:GID**
- [SMA+08] Saurav Sahay, Sougata Mukherjea, Eugene Agichtein, Ernest V. **Sahay:2008:DSB**

- Garcia, Shamkant B. Navathe, and Ashwin Ram. Discovering semantic biomedical relations utilizing the Web. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(1):3:1–3:??, March 2008. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [SMK18] Sriparna Saha, Sayantan Mitra, and Stefan Kramer. Exploring multiobjective optimization for multiview clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(4):44:1–44:??, July 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [SNH⁺13] Yizhou Sun, Brandon Norick, Jiawei Han, Xifeng Yan, Philip S. Yu, and Xiao Yu. PathSelClus: Integrating meta-path selection with user-guided object clustering in heterogeneous information networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(3):11:1–11:??, September 2013. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [SSK⁺10] Zeeshan Syed, Collin Stultz, Manolis Kellis, Piotr Indyk, and John Gutttag. Motif discovery in physiological datasets: A methodology for inferring predictive elements. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(1):2:1–2:??, January 2010. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [STD⁺18] Lei Shi, Hanghang Tong, Madelaine Daiyanu, Feng Tian, and Paul M. Thompson. Visual analysis of brain networks using sparse regression models. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1):5:1–5:??, February 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [STP⁺08] Jimeng Sun, Dacheng Tao, Spiros Papadimitriou, Philip S. Yu, and Christos Faloutsos. Incremental tensor analysis: Theory and applications. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(3):11:1–11:??, October 2008. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [SYD⁺16] Junming Shao, Qinli Yang, Hoang-Vu Dang, Bertil Schmidt, and Stefan Kramer. Scalable clustering by iterative partitioning and point attractor representation. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(1):1:1–1:??, January 2016. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

- actions on Knowledge Discovery from Data (*TKDD*), 11(1):5:1–5:??, August 2016. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). [TC09]
- [SYLC16] Chih-Ya Shen, De-Nian Yang, Wang-Chien Lee, and Ming-Syan Chen. Spatial-proximity optimization for rapid task group deployment. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):47:1–47:??, July 2016. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). [TC18]
- [SZLP16] Laura M. Smith, Linhong Zhu, Kristina Lerman, and Allon G. Percus. Partitioning networks with node attributes by compressing information flow. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(2):15:1–15:??, December 2016. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). [THB18]
- [TAJY17] Xun Tang, Maha Alabduljalil, Xin Jin, and Tao Yang. Partitioned similarity search with cache-conscious data traversal. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(3):34:1–34:??, April 2017. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). [THD⁺08]
- [Tu:2009:SDC] Li Tu and Yixin Chen. Stream data clustering based on grid density and attraction. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(3):12:1–12:??, July 2009. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [Toth:2018:GDT] Edward Toth and Sanjay Chawla. $GT\Delta$: Detecting temporal changes in group stochastic processes. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(4):39:1–39:??, July 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [Trevino:2018:DSE] Edgar S. García Treviño, Muhammad Zaid Hameed, and Javier A. Barria. Data stream evolution diagnosis using recursive wavelet density estimators. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1):14:1–14:??, February 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [Tan:2008:TMG] Henry Tan, Fedja Hadzic, Tharam S. Dillon, Elizabeth

- Chang, and Ling Feng. Tree model guided candidate generation for mining frequent subtrees from XML documents. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(2):9:1–9:??, July 2008. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [THRR16] **Tahani:2016:IDD** [TLZ⁺08] Maryam Tahani, Ali M. A. Hemmatyar, Hamid R. Rabiee, and Maryam Ramezani. Inferring dynamic diffusion networks in online media. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):44:1–44:??, July 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [TL14] **Tang:2014:FSS** [TS09] Jiliang Tang and Huan Liu. Feature selection for social media data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(4):19:1–19:??, October 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [TLL⁺19] **Tao:2019:RSE** [TVK10] Zhiqiang Tao, Hongfu Liu, Sheng Li, Zhengming Ding, and Yun Fu. Robust spectral ensemble clustering via rank minimization. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 13(1):4:1–4:??, January 2019. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3278606&ftid=2034258&down=1&CFID=106386066&CFTOKEN=bb53e6c0a0b1d2a8-18838FAE-CFB4-9292-6DA337867DE3EA4E.
- Tang:2008:TTA** [TLZ⁺08] Lei Tang, Huan Liu, Jianping Zhang, Nitin Agarwal, and John J. Salerno. Topic taxonomy adaptation for group profiling. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(4):1:1–1:??, January 2008. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Torvik:2009:AND** [TS09] Vetle I. Torvik and Neil R. Smalheiser. Author name disambiguation in MEDLINE. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(3):11:1–11:??, July 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Thomas:2010:MMF** [TVK10] Lini T. Thomas, Satyanarayana R. Valluri, and Kamalakar Karlapalem. MARGIN: Maximal frequent subgraph mining. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(3):10:1–10:??, October 2010. CODEN ???? ISSN 1556-

- 4681 (print), 1556-472X (electronic).
- [TWCO16] Hanghang Tong, Fei Wang, Munmun De Choudhury, and Zoran Obradovic. Guest editorial: Special issue on connected health at big data era (BigChat): a TKDD special issue. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4): 37:1–37:??, July 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [TYG⁺15] Lu-An Tang, Xiao Yu, Quanquan Gu, Jiawei Han, Guofei Jiang, Alice Leung, and Thomas La Porta. A framework of mining trajectories from untrustworthy data in cyber-physical system. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(3):16:1–16:??, February 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [TYZZ10] Jie Tang, Limin Yao, Duo Zhang, and Jing Zhang. A combination approach to Web user profiling. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(1):2:1–2:??, December 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [Vad10] Sunil Vadera. CSNL: A cost-sensitive non-linear decision tree algorithm. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(2): 6:1–6:??, May 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [VALF12] Pedro O. S. Vaz de Melo, Virgilio A. F. Almeida, Antonio A. F. Loureiro, and Christos Faloutsos. Forecasting in the NBA and other team sports: Network effects in action. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(3):13:1–13:??, October 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [VCKP08] Jaideep Vaidya, Chris Clifton, Murat Kantarcioglu, and A. Scott Patterson. Privacy-preserving decision trees over vertically partitioned data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(3):14:1–14:??, October 2008. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [VFA⁺15] Pedro O. S. Vaz De Melo, Christos Faloutsos, Renato Assunção, Rodrigo Alves, and

Vadera:2010:CCS**Tong:2016:GES****deMelo:2012:FNO****Tang:2015:FMT****Vaidya:2008:PPD****Tang:2010:CAW****VazDeMelo:2015:UDP**

- Antonio A. F. Loureiro. Universal and distinct properties of communication dynamics: How to generate realistic inter-event times. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(3):24:1–24:??, April 2015. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic). [VMR17]
- vanLeeuwen:2018:ETS**
- [vLCV⁺18] Matthijs van Leeuwen, Polo Chau, Jilles Vreeken, Dafna Shahaf, and Christos Faloutsos. Editorial: TKDD special issue on interactive data exploration and analytics. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1):1:1–1:??, February 2018. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic). [VSV15]
- vanLeeuwen:2019:ASI**
- [vLCV⁺19] Matthijs van Leeuwen, Polo Chau, Jilles Vreeken, Dafna Shahaf, and Christos Faloutsos. Addendum to the special issue on interactive data exploration and analytics (TKDD, vol. 12, iss. 1): Introduction by the Guest Editors. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 13(1):13:1–13:??, January 2019. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic). [WAD12]
- Wosoughi:2017:RGP**
- Soroush Vosoughi, Mostafa ‘Neo’ Mohsenvand, and Deb Roy. Rumor gauge: Predicting the veracity of rumors on Twitter. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):50:1–50:??, August 2017. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic). [Vlachos:2015:DPC]
- Michail Vlachos, Johannes Schneider, and Vassilios G. Vassiliadis. On data publishing with clustering preservation. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(3):23:1–23:??, April 2015. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic). [Wilkinson:2012:SIS]
- Leland Wilkinson, Anushka Anand, and Tuan Nhon Dang. Substantial improvements in the set-covering projection classifier CHIRP (composite hypercubes on iterated random projections). *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(4):19:1–19:??, December 2012. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic). [Wang:2010:TSI]
- Wei Wang. TKDD special issue: SIGKDD 2009. *ACM*

- Transactions on Knowledge Discovery from Data (TKDD)*, 4(4):16:1–16:??, October 2010. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). [Web10]
- [WC12] Zhenxing Wang and Laiwan Chan. Learning Bayesian networks from Markov random fields: an efficient algorithm for linear models. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(3):10:1–10:??, October 2012. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Wang:2012:LBN**
- [WC15] Wei Wei and Kathleen M. Carley. Measuring temporal patterns in dynamic social networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(1):9:1–9:??, July 2015. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Wei:2015:MTP**
- [WCS⁺18] Can Wang, Chi-Hung Chi, Zhong She, Longbing Cao, and Bela Stantic. Coupled clustering ensemble by exploring data interdependence. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(6):63:1–63:??, October 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Wang:2018:CCE**
- [Webb:2010:SSI] Geoffrey I. Webb. Self-sufficient itemsets: An approach to screening potentially interesting associations between items. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(1):3:1–3:??, January 2010. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- [WFW⁺11] Raymond Chi-Wing Wong, Ada Wai-Chee Fu, Ke Wang, Philip S. Yu, and Jian Pei. Can the utility of anonymized data be used for privacy breaches? *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(3):16:1–16:??, August 2011. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Wong:2011:CUA**
- [WHG⁺18] Boyue Wang, Yongli Hu, Junbin Gao, Yanfeng Sun, and Baocai Yin. Partial sum minimization of singular values representation on Grassmann manifolds. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1):13:1–13:??, February 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). **Wang:2018:PSM**
- [WHMY17] Yue Wu, Steven C. H. Hoi, Tao Mei, and Nenghai Yu. **Wu:2017:LSO**

- Large-scale online feature selection for ultra-high dimensional sparse data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):48:1–48:??, August 2017. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic). [WLP18]
- Wu:2010:MAF**
- [WJR⁺10] Mingxi Wu, Chris Jermaine, Sanjay Ranka, Xiuyao Song, and John Gums. A model-agnostic framework for fast spatial anomaly detection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(4):20:1–20:??, October 2010. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).
- Wang:2016:ISI**
- [WL16] Wei Wang and Jure Leskovec. Introduction to the special issue of best papers in ACM SIGKDD 2014. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):33:1–33:??, July 2016. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).
- Wang:2017:LMD**
- [WLC⁺17] Sen Wang, Xue Li, Xiaojun Chang*, Lina Yao, Quan Z. Sheng, and Guodong Long. Learning multiple diagnosis codes for ICU patients with local disease correlation mining. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(3):31:1–31:??, April 2017. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).
- Wen:2018:EAD**
- Xidao Wen, Yu-Ru Lin, and Konstantinos Pelechrinis. Event analytics via discriminant tensor factorization. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(6):72:1–72:??, October 2018. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).
- Wang:2014:EEM**
- [WLR⁺14] Pinghui Wang, John C. S. Lui, Bruno Ribeiro, Don Towsley, Junzhou Zhao, and Xiaohong Guan. Efficiently estimating motif statistics of large networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(2):8:1–8:??, September 2014. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).
- Wu:2018:GRS**
- [WNC⁺18] Hao Wu, Yue Ning, Prithwish Chakraborty, Jilles Vreeken, Nikolaj Tatti, and Naren Ramakrishnan. Generating realistic synthetic population datasets. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(4):45:1–45:??, July 2018. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

- [WND⁺09] Wan:2009:DBC Li Wan, Wee Keong Ng, Xuan Hong Dang, Philip S. Yu, and Kuan Zhang. Density-based clustering of data streams at multiple resolutions. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(3):14:1–14:??, July 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [WSC⁺17] Wang:2017:DCM Yihan Wang, Shaoxu Song, Lei Chen, Jeffrey Xu Yu, and Hong Cheng. Discovering conditional matching rules. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):46:1–46:??, August 2017. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [WNH15] Wang:2015:LSC Hua Wang, Feiping Nie, and Heng Huang. Large-scale cross-language Web page classification via dual knowledge transfer using fast nonnegative matrix trfactorization. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(1):1:1–1:??, July 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [WSM⁺18] Wu:2018:IDC Hao Wu, Maoyuan Sun, Peng Mi, Nikolaj Tatti, Chris North, and Naren Ramakrishnan. Interactive discovery of coordinated relationship chains with maximum entropy models. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1):7:1–7:??, February 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [WQZ⁺16] Wei:2016:NBG Qiang Wei, Dandan Qiao, Jin Zhang, Guoqing Chen, and Xunhua Guo. A novel bipartite graph based competitiveness degree analysis from query logs. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(2):21:1–21:??, December 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [WSR⁺16] Wang:2016:WKI Chenguang Wang, Yangqiu Song, Dan Roth, Ming Zhang, and Jiawei Han. World knowledge as indirect supervision for document clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(2):13:1–13:??, December 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [WSZ12] Wang:2012:LME Shaojun Wang, Dale Schuurmans, and Yunxin Zhao.

- The latent maximum entropy principle. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(2):8:1–8:??, July 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [WSZ⁺16] **Wei:2016:HTH**
Ying Wei, Yangqiu Song, Yi Zhen, Bo Liu, and Qiang Yang. Heterogeneous translated hashing: a scalable solution towards multi-modal similarity search. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):36:1–36:??, July 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [WSZZ14] **Wang:2014:GML**
Guangtao Wang, Qinbao Song, Xueying Zhang, and Kaiyuan Zhang. A generic multilabel learning-based classification algorithm recommendation method. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(1):7:1–7:??, October 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [WV14] **Webb:2014:EDM**
Geoffrey I. Webb and Jilles Vreeken. Efficient discovery of the most interesting associations. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(3):15:1–15:??, June 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [WWHW19] **Wang:2019:DAA**
Huan Wang, Jia Wu, Wenbin Hu, and Xindong Wu. Detecting and assessing anomalous evolutionary behaviors of nodes in evolving social networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 13(1):12:1–12:??, January 2019. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [WWW⁺16] **Wang:2016:UHM**
Zhongyuan Wang, Fang Wang, Haixun Wang, Zhirui Hu, Jun Yan, Fangtao Li, Ji-Rong Wen, and Zhoujun Li. Unsupervised head-modifier detection in search queries. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(2):19:1–19:??, December 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [WY15] **Wang:2015:QDR**
Zheng Wang and Jieping Ye. Querying discriminative and representative samples for batch mode active learning. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(3):17:1–17:??, February 2015. CODEN ???? ISSN 1556-

4681 (print), 1556-472X (electronic).

Wang:2017:MDP

- [WYG⁺17] Liang Wang, Zhiwen Yu, Bin Guo, Tao Ku, and Fei Yi. Moving destination prediction using sparse dataset: a mobility gradient descent approach. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(3):37:1–37:??, April 2017. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

Wu:2016:LLR

- [WYX⁺16] Ou Wu, Qiang You, Fen Xia, Lei Ma, and Weiming Hu. Listwise learning to rank from crowds. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(1):4:1–4:??, August 2016. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

Wang:2011:IDC

- [WZL⁺11] Dingding Wang, Shenghuo Zhu, Tao Li, Yun Chi, and Yihong Gong. Integrating document clustering and multidocument summarization. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(3):14:1–14:??, August 2011. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

Wang:2015:UCN

- [WZL⁺15] Pinghui Wang, Junzhou Zhao, John C. S. Lui, Don Towsley,

and Xiaohong Guan. Unbiased characterization of node pairs over large graphs. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(3):22:1–22:??, April 2015. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

WU:2016:MDN

- [WZL⁺16] Yubao WU, Xiaofeng Zhu, Li Li, Wei Fan, Ruoming Jin, and Xiang Zhang. Mining dual networks: Models, algorithms, and applications. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):40:1–40:??, July 2016. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

Wang:2012:CDS

- [WZLG12] Dingding Wang, Shenghuo Zhu, Tao Li, and Yihong Gong. Comparative document summarization via discriminative sentence selection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(3):12:1–12:??, October 2012. CODEN ????? ISSN 1556-4681 (print), 1556-472X (electronic).

Wang:2013:CDS

- [WZLG13] Dingding Wang, Shenghuo Zhu, Tao Li, and Yihong Gong. Comparative document summarization via discriminative sentence selection. *ACM Transactions on Knowledge*

- Discovery from Data (TKDD)*, 7(1):2:1–2:??, March 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [XKH⁺16] Feiyu Xiong, Moshe Kam, Leonid Hrebien, Beilun Wang, and Yanjun Qi. Kernelized information-theoretic metric learning for cancer diagnosis using high-dimensional molecular profiling data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):38:1–38:??, July 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [XKXW⁺14] Zhiqiang Xu, Yiping Ke, Yi Wang, Hong Cheng, and James Cheng. GBAGC: a general Bayesian framework for attributed graph clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(1):5:1–5:??, August 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [XL15] Hong Xie and John C. S. Lui. Mathematical modeling and analysis of product rating with partial information. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(4):26:1–26:??, June 2015. CO-
- [XL16] Xiong:2016:KIT Silei Xu and John C. S. Lui. Product selection problem: Improve market share by learning consumer behavior. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):34:1–34:??, July 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [XML18] Xie:2018:ERP Hong Xie, Richard T. B. Ma, and John C. S. Lui. Enhancing reputation via price discounts in e-commerce systems: a data-driven approach. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):26:1–26:??, April 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [XZXW18] Xie:2018:SNM Wei Xie, Feida Zhu, Jing Xiao, and Jianzong Wang. Social network monitoring for bursty cascade detection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(4):40:1–40:??, July 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- DEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

- [XZYL12] **Xu:2012:GME** Tianbing Xu, Zhongfei Zhang, Philip S. Yu, and Bo Long. Generative models for evolutionary clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 6(2):7:1–7:??, July 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [YCC⁺15] **Yin:2015:MLB** Hongzhi Yin, Bin Cui, Ling Chen, Zhiting Hu, and Chengqi Zhang. Modeling location-based user rating profiles for personalized recommendation. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(3):19:1–19:??, April 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [YHCL12] **Ye:2008:DSA** Jieping Ye, Jianhui Chen, Ravi Janardan, and Sudhir Kumar. Developmental stage annotation of *Drosophila* gene expression pattern images via an entire solution path for LDA. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(1):4:1–4:??, March 2008. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [YHL15] **Yu:2015:CSF** Kui Yu, Wei Ding, Dan A. Simovici, Hao Wang, Jian Pei, and Xindong Wu. Classification with streaming features: an emerging-pattern mining approach. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(4):30:1–30:??, June 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [YK13] **Yu:2012:LLC** Hsiang-Fu Yu, Cho-Jui Hsieh, Kai-Wei Chang, and Chih-Jen Lin. Large linear classification when data cannot fit in memory. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(4):23:1–23:??, February 2012. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [YLC15] **Yu:2015:GGA** Rose Yu, Xinran He, and Yan Liu. GLAD: Group anomaly detection in social media analysis. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(2):18:1–18:??, October 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- [YLS13] **Yang:2013:EOL** Haiqin Yang, Michael R. Lyu, and Irwin King. Efficient online learning for multitask feature selection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(2):6:1–

- 6:??, July 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Yu:2016:FDV**
- [YTH18] Pei Yang, Qi Tan, and Jingrui He. Function-on-function regression with mode-sparsity regularization. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(3):36:1–36:??, April 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Yang:2018:FFR**
- [YTL18] Yang Yang, Jie Tang, and Juanzi Li. Learning to infer competitive relationships in heterogeneous networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1):12:1–12:??, February 2018. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Yang:2018:LIC**
- [YTW⁺16] Zhiwen Yu, Miao Tian, Zhu Wang, Bin Guo, and Tao Mei. Shop-type recommendation leveraging the data from social media and location-based services. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(1):1:1–1:??, August 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Yu:2016:STR**
- [YWC⁺16] Zhiwen Yu, Zhitao Wang, Liming Chen, Bin Guo, and Wenjie Li. Featuring, detecting, and visualizing human sentiment in Chinese micro-blog. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):48:1–48:??, July 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Yu:2016:SAO**
- [YWD⁺16] Kui Yu, Xindong Wu, Wei Ding, and Jian Pei. Scalable and accurate online feature selection for big data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(2):16:1–16:??, December 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Yu:2015:DIP**
- [YWH⁺15] Zhiwen Yu, Zhu Wang, Huilei He, Jilei Tian, Xinjiang Lu, and Bin Guo. Discovering information propagation patterns in microblogging services. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(1):7:1–7:??, July 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). **Yang:2014:USN**
- [YWW⁺14] Zhi Yang, Christo Wilson, Xiao Wang, Tingting Gao,

Ben Y. Zhao, and Yafei Dai. Uncovering social network Sybils in the wild. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(1):2:1–2:??, February 2014. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

Yang:2016:JML

[YYF⁺16]

Pei Yang, Hongxia Yang, Haoda Fu, Dawei Zhou, Jieping Ye, Theodoros Lappas, and Jingrui He. Jointly modeling label and feature heterogeneity in medical informatics. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):39:1–39:??, July 2016. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

Ying:2018:FIG

[YZH⁺18]

Josh Jia-Ching Ying, Ji Zhang, Che-Wei Huang, Kuan-Ta Chen, and Vincent S. Tseng. FrauDetector+: an incremental graph-mining approach for efficient fraudulent phone call detection. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(6):68:1–68:??, October 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

Zhang:2017:CDM

[ZCF⁺17]

Tianyang Zhang, Peng Cui, Christos Faloutsos, Yunfei Lu, Hao Ye, Wenwu Zhu, and

Shiqiang Yang. comeNgo: a dynamic model for social group evolution. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(4):41:1–41:??, August 2017. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

Zaki:2010:VVO

[ZCS10]

Mohammed J. Zaki, Christopher D. Carothers, and Boleslaw K. Szymanski. VOGUE: A variable order hidden Markov model with duration based on frequent sequence mining. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(1):5:1–5:??, January 2010. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

Zhao:2018:JRL

[ZFWC18]

Wayne Xin Zhao, Feifan Fan, Ji-Rong Wen, and Edward Y. Chang. Joint representation learning for location-based social networks with multi-grained sequential contexts. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(2):22:1–22:??, March 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).

Zhong:2014:UBL

[ZFY14]

Erheng Zhong, Wei Fan, and Qiang Yang. User behavior learning and transfer in composite social networks. *ACM*

- Transactions on Knowledge Discovery from Data (TKDD)*, 8(1):6:1–6:??, February 2014. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic). [ZKCY07]
- Zhang:2018:SRI**
- [ZGC18] Ziqi Zhang, Jie Gao, and Fabio Ciravegna. SemRe-Rank: Improving automatic term extraction by incorporating semantic relatedness with personalised PageRank. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(5):57:1–57:??, July 2018. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- Zhu:2016:CCS**
- [ZH16] Yada Zhu and Jingrui He. Co-clustering structural temporal data with applications to semiconductor manufacturing. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(4):43:1–43:??, July 2016. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- Zhang:2014:DGP**
- [ZJL⁺14] Gensheng Zhang, Xiao Jiang, Ping Luo, Min Wang, and Chengkai Li. Discovering general prominent streaks in sequence data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(2):9:1–9:??, June 2014. CODEN ????
- Zhang:2007:MPP**
- Minghua Zhang, Ben Kao, David W. Cheung, and Kevin Y. Yip. Mining periodic patterns with gap requirement from sequences. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 1(2):7:1–7:??, August 2007. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- Zaki:2008:ISI**
- [ZKYW08] Mohammed J. Zaki, George Karypis, Jiong Yang, and Wei Wang. Introduction to special issue on bioinformatics. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(1):1:1–1:??, March 2008. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- Zhou:2015:SIB**
- [ZL15] Yang Zhou and Ling Liu. Social influence based clustering and optimization over heterogeneous information networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(1):2:1–2:??, July 2015. CODEN ????. ISSN 1556-4681 (print), 1556-472X (electronic).
- Zheng:2014:FHE**
- [ZLD14] Li Zheng, Tao Li, and Chris Ding. A framework for hi-

- erarchical ensemble clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(2):9:1–9:??, September 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [ZP15]
- Zhang:2009:DGA**
- [ZLT09] Zhenjie Zhang, Laks V. S. Lakshmanan, and Anthony K. H. Tung. On domination game analysis for microeconomic data mining. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(4):18:1–18:??, January 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [ZPC+16]
- Zhang:2015:OBF**
- [ZLT+15] Lei Zhang, Ping Luo, Linpeng Tang, Enhong Chen, Qi Liu, Min Wang, and Hui Xiong. Occupancy-based frequent pattern mining. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(2):14:1–14:??, October 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [ZPSYY10]
- Zhou:2009:LST**
- [ZP09] Bin Zhou and Jian Pei. Link spam target detection using page farms. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(3):13:1–13:??, July 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [Zhang:2015:DAV]
- Yao Zhang and B. Aditya Prakash. Data-aware vaccine allocation over large networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(2):20:1–20:??, October 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [Zhu:2016:EVM]
- Wen-Yuan Zhu, Wen-Chih Peng, Ling-Jyh Chen, Kai Zheng, and Xiaofang Zhou. Exploiting viral marketing for location promotion in location-based social networks. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(2):25:1–25:??, December 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic). [Zhong:2010:ATS]
- Ning Zhong, Gregory Piatetsky-Shapiro, Yiyu Yao, and Philip S. Yu. ACM TKDD special issue on knowledge discovery for Web intelligence. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 5(1):1:1–1:??, December 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

- Zafarani:2015:UIA**
- [ZTL15a] Reza Zafarani, Lei Tang, and Huan Liu. User identification across social media. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(2):16:1–16:??, October 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Zhang:2015:WIY**
- [ZTL+15b] Jing Zhang, Jie Tang, Juanzi Li, Yang Liu, and Chunxiao Xing. Who influenced you? Predicting retweet via social influence locality. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 9(3):25:1–25:??, April 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Zhao:2016:MPA**
- [ZWH+16] Wayne Xin Zhao, Jinpeng Wang, Yulan He, Ji-Rong Wen, Edward Y. Chang, and Xiaoming Li. Mining product adopter information from online reviews for improving product recommendation. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(3):29:1–29:??, February 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Zhang:2013:MRL**
- [ZY13] Yu Zhang and Dit-Yan Yeung. Multilabel relationship learning. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 7(2):7:1–7:??, July 2013. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Zhang:2014:RAL**
- [ZY14] Yu Zhang and Dit-Yan Yeung. A regularization approach to learning task relationships in multitask learning. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 8(3):12:1–12:??, June 2014. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Zhang:2010:MDR**
- [ZZ10] Yin Zhang and Zhi-Hua Zhou. Multilabel dimensionality reduction via dependence maximization. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 4(3):14:1–14:??, October 2010. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).
- Zhang:2015:SMB**
- [ZZL15] Xianchao Zhang, Xiaotong Zhang, and Han Liu. Smart multitask Bregman clustering and multitask kernel clustering. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 10(1):8:1–8:??, July 2015. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Zhang:2009:EAG

- [ZZW09] Xiang Zhang, Fei Zou, and Wei Wang. Efficient algorithms for genome-wide association study. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 3(4): 19:1–19:??, November 2009. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).

Zhang:2016:SNE

- [ZZYY16] Xianchao Zhang, Linlin Zong, Quanzeng You, and Xing Yong. Sampling for Nyström extension-based spectral clustering: Incremental perspective and novel analysis. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 11(1):7:1–7:??, August 2016. CODEN ???? ISSN 1556-4681 (print), 1556-472X (electronic).