

# A Complete Bibliography of *ACM Transactions on the Web (TWEB)*

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## Title word cross-reference

**1** [PYWY23].  
**2.0** [KL10].  
**4chan** [MZBD20].  
**7** [UÁM17].  
**AA** [BZR+21]. **Abstract** [AZ19].  
**Academic** [WLT+21]. **Accelerate** [CJQ+21]. **Acceleration** [HKH+16].  
**Access** [KL17a, PMOB11, SRG+22, CSCB07, DFJ+12]. **Accessibility** [HR13].  
**ACConv** [PMOB11]. **Account** [KMV15].  
**Accuracy** [HHBT20]. **Actions** [LZKN22, RDM09]. **Active** [CZZ15].  
**Activities** [WPC+22]. **Activity** [CLR+19, TCM+18, WHGS16, ZJZ+21].  
**Actually** [DZS+16]. **Adaptation** [SDG+23]. **Adaptive** [GKS+08, JWJ+18, MTDF18, YYL+23].  
**addressing** [AMND+08]. **Administrators** [DLMI16]. **adopting** [VGA13]. **Adoption** [RHLC17]. **Ads** [AY10]. **Ads-portal** [AY10]. **Advanced** [PYWY23, SDN08].  
**adversarial** [ND08]. **Advertising** [PAAC17, LHJL13, VGA13]. **Aesthetics** [UÁM17]. **African** [FTF+18]. **aggregate** [UT11]. **Aggregations** [ZYZ16].  
**Aggression** [PVK22]. **agreement** [BKJ13].  
**Ajax** [MvDL12]. **Ajax-Based** [MvDL12].  
**AjaxScope** [KL10]. **Alert** [SGJC20].  
**algebra** [YB08]. **Algorithms** [BHMW11,

Hog17, PYWY23, CCF11, SZG11, YZL07]. **Aligned** [TBBI18]. **Alignment** [SDG<sup>+</sup>23]. **alike** [DAA13]. **Among** [ABLW19, DLMI16]. **Analysing** [FTF<sup>+</sup>18]. **Analysis** [AALG22, BSW23, CRB18, EYH16, GFTC19, MHG<sup>+</sup>20, MMMD16, MvDL12, OSB22, PVS19, RSC<sup>+</sup>21, SSK<sup>+</sup>17, SGJC20, TWH14, WPC<sup>+</sup>22, AB08, BCD<sup>+</sup>08, LV13, LSC<sup>+</sup>08, SMB<sup>+</sup>07]. **Analysis-driven** [OSB22]. **Analytic** [UPS<sup>+</sup>07]. **analytics** [AMND<sup>+</sup>08]. **Analyzing** [BCGL17, CASN13, MZBD20, RHLC17, SCS<sup>+</sup>14, WSL<sup>+</sup>19, WCZ15]. **Android** [MHG<sup>+</sup>20]. **annotation** [BEP<sup>+</sup>08, NKTP13]. **Annotations** [WSL<sup>+</sup>19]. **Anomalies** [DWXL23]. **Anomalous** [WQG<sup>+</sup>21]. **Anonymization** [SLM13]. **Answering** [SB16]. **Anycast** [ALR<sup>+</sup>11]. **AOI** [EYH20]. **API** [WCZ15]. **APIs** [BDM17]. **App** [DV18, SLP<sup>+</sup>19, MHG<sup>+</sup>20]. **Application** [BBBF14, DBZ<sup>+</sup>12, DGS17, JJM20, WLP<sup>+</sup>23, SIYL08]. **application-level** [SIYL08]. **Application-Specific** [DBZ<sup>+</sup>12]. **Applications** [KL10, MvDL12, PYWY23, RHLC17, VP11, WDD15, CM12, DFJ<sup>+</sup>12, DWS<sup>+</sup>12, FCBC10, UPS<sup>+</sup>07, ZCL<sup>+</sup>10, CGM14, DJBO14]. **Approach** [BZR<sup>+</sup>21, BCC14, CTC<sup>+</sup>15, CMP15, DJBO14, JWJ<sup>+</sup>18, JXCX21, OACU13, RSC<sup>+</sup>21, SZSA15, SFJ<sup>+</sup>23, WZZ<sup>+</sup>16, XZ17, ARN12, FCBC10, LJP<sup>+</sup>13, MSBB10, QBC13, STYL08]. **Approaches** [EYH20, PAC<sup>+</sup>21, SB16, ZWZL15, ETT08]. **Apps** [MHG<sup>+</sup>20, SSK<sup>+</sup>17]. **Arbiters** [DLMI16]. **Architecture** [ALR<sup>+</sup>11, YYL<sup>+</sup>23, LMJ10, SRRG07]. **architectures** [RCS<sup>+</sup>08, ZHD07]. **Aspect** [SZSA15, LCZ<sup>+</sup>20]. **Aspect-Based** [SZSA15]. **Assessing** [BKJ13]. **Assistant** [CRPLM11]. **Association** [WLCG20]. **Association-rule-based** [WLCG20]. **Assortativity** [SÖ23]. **Attacks** [MKH22, JBB<sup>+</sup>09, SIYL08]. **Attendance** [ZJZ<sup>+</sup>21]. **Attention** [ALS23, CLZ<sup>+</sup>22, PWH16, VVB21]. **Attribute** [FLT15]. **Attributed** [WLT<sup>+</sup>21]. **auctions** [RDJS07]. **augmentation** [DAA13]. **Augmented** [DA15]. **Authentication** [AALG22, CTC<sup>+</sup>15]. **Auto** [ZCC<sup>+</sup>23]. **Auto-Encoders** [ZCC<sup>+</sup>23]. **Autocompletion** [WMS<sup>+</sup>16]. **Automated** [DWS<sup>+</sup>12, SCB17, WSL<sup>+</sup>19]. **Automatic** [BEP<sup>+</sup>08, CR20, CB20, EYH20, MMH13, SZG11]. **average** [WOHM08]. **AVX2** [ML18]. **Aware** [ABO<sup>+</sup>16, BCF16, OAU11, CB20, ETT08, LJP<sup>+</sup>13, QBC13, STZL20, WZZ<sup>+</sup>16, ZLW<sup>+</sup>22].

**Backup** [RH19]. **Balance** [QA14]. **Bandit** [WOM22]. **BanditProp** [WOM22]. **Base64** [ML18]. **Based** [AADP19, BHMW11, BHW13, BCC14, BBBF14, CRB18, CAO12, DJBO14, FLT15, GAC<sup>+</sup>11, GZYS16, HGPS11, JWJ<sup>+</sup>18, KKSS17, LCZ<sup>+</sup>20, MA14, MvDL12, MAY<sup>+</sup>11, PKT17, RHLC17, SZSA15, TBBI18, UÁM17, WPB13, ZWML14, ZCC<sup>+</sup>23, ABLW19, AADS13, BKJ13, BEP<sup>+</sup>08, CKJA13, CJQ<sup>+</sup>21, CP09, LHJL13, LLM13, MFB21, PAL18, SFJ<sup>+</sup>23, VVCD13, WQG<sup>+</sup>21, WLCG20, YL08, ZJZ<sup>+</sup>21, ZCL<sup>+</sup>10, ZZM<sup>+</sup>11, ZLL<sup>+</sup>23, ACC08]. **Bases** [ZTC11]. **Bayesian** [GZYS16, SHHS17]. **Behavior** [CBB18, DZS<sup>+</sup>16, KL10, RH19, TWH14, WZT<sup>+</sup>17, CSCB07, LV13]. **Behaviors** [XLC20]. **Behavioural** [GFTC19]. **Behind** [JBWR20]. **Benchmarking** [AST19]. **BERT** [OSB22]. **Best** [ABO<sup>+</sup>16, EYH20]. **Beyond** [CGM14, WSPZ12, LLWL09]. **Bias** [WH14]. **biases** [JGTF10, WH13]. **BibSonomy** [DZS<sup>+</sup>16]. **bid** [RDJS07]. **bidding** [RDJS07]. **billion** [LLWL09]. **Bitcoin** [WPC<sup>+</sup>22]. **Bitemporal** [FGH<sup>+</sup>16]. **Blank** [Hog17]. **block** [CJQ<sup>+</sup>21]. **Blog** [JKH<sup>+</sup>12, WYY<sup>+</sup>15, APV10]. **blogosphere** [MMB<sup>+</sup>12]. **Bot** [CLR<sup>+</sup>19, YYL<sup>+</sup>23]. **Both**

[EYH20, ZWML14]. **Bots** [GFTC19]. **bottom** [QBC13]. **bottom-up** [QBC13]. **bounds** [VKY10]. **BPEL** [SZSA15]. **Brand** [CR20, RSC<sup>+</sup>21, SW11]. **Breast** [PWH16]. **Bring** [KSG<sup>+</sup>22]. **Bringing** [PAAC17, XLC20]. **Browse** [CCC22, PGAW23]. **Browser** [AALG22, DA15, LBBA20, WAP19]. **Browser-Side** [DA15]. **Browsers** [GTK11, JBB<sup>+</sup>09]. **BrowserShield** [RDW<sup>+</sup>07]. **Browsing** [TWH14, VDM<sup>+</sup>18, XLH<sup>+</sup>09, DWC12, LV13]. **BUBiNG** [BMSV18]. **Building** [TKS11]. **business** [LMJ10, PSBY10]. **Butterflies** [SÖ23]. **Buyer** [Fra16]. **Buyer-Friendly** [Fra16].

**Cache** [CAOU12, CJQ<sup>+</sup>21, SRRG07]. **Cache-Based** [CAOU12]. **Cache-block-based** [CJQ<sup>+</sup>21]. **Caching** [CJQ<sup>+</sup>21, DV18, OAU11, OACU13, BYGJ<sup>+</sup>08]. **Camera** [SW11]. **Campaigns** [ZLZL16]. **Cancer** [PWH16]. **Canonical** [Hog17]. **Captions** [WH13]. **Caring** [DAA13]. **Cascading** [RHLC17]. **Cashtag** [CLR<sup>+</sup>19]. **Castle** [MHG<sup>+</sup>20]. **Categorizing** [PAC<sup>+</sup>21]. **CBPCS** [CJQ<sup>+</sup>21]. **CDN** [ALR<sup>+</sup>11]. **Censorship** [GCND<sup>+</sup>15]. **Center** [SGJC20, DWS<sup>+</sup>12]. **centralities** [YL08]. **Centric** [BSW23, CMP15, TTHS19]. **Certification** [AADP19, AADS13]. **Challenges** [DA15, GAC<sup>+</sup>11]. **Chance** [OACU13]. **Change** [WQG<sup>+</sup>21]. **Change-based** [WQG<sup>+</sup>21]. **Changes** [MvDL12]. **Changing** [LLSL18]. **Channel** [LLW<sup>+</sup>23, MKH22]. **Characteristics** [SSK<sup>+</sup>17, WST11, ZLD<sup>+</sup>21]. **Characterization** [JKH<sup>+</sup>12, PGAW23, VDM<sup>+</sup>18]. **Characterizing** [CBB18, GAC<sup>+</sup>11, GCND<sup>+</sup>15, MAY<sup>+</sup>11]. **Chief** [Whi21]. **choreographies** [MPvdA<sup>+</sup>10]. **Claims** [SKGY14].

**Classification** [ALS23, BHMW11, BHW13, GCMG15, HY23, HHBT20, RDW<sup>+</sup>16, SB16, WLP<sup>+</sup>23, WAP19, DGP09]. **Classifying** [GBF<sup>+</sup>09]. **ClickRank** [ZM12]. **Clickstream** [WZT<sup>+</sup>17]. **Client** [CTC<sup>+</sup>15, KL10, SIYL08]. **Client-Side** [KL10]. **client-transparent** [SIYL08]. **Clustering** [EYH16, KH15, KV11]. **Clustering-Driven** [KV11]. **Coefficients** [KH15]. **COIP** [BCF16]. **COIP-Continuous** [BCF16]. **ColBERT** [WMTO23]. **ColBERT-PRF** [WMTO23]. **Cold** [GCH<sup>+</sup>21, MPB20]. **Cold-start** [GCH<sup>+</sup>21, MPB20]. **Collaboration** [Lee15, WHGS16, WLT<sup>+</sup>21]. **Collaborative** [BCC14, LLW12, WWW<sup>+</sup>17, CCFF11, MKR07, RHS09, VGA13]. **Collections** [WBdR12, CMRV10]. **Collective** [DLMI16]. **Collusive** [XZ17]. **Combating** [KEG<sup>+</sup>08, ZWML14]. **Combining** [MDG19]. **Comment** [HGC<sup>+</sup>18, SCS<sup>+</sup>14]. **Comments** [SCS<sup>+</sup>14, WYY<sup>+</sup>15]. **Commerce** [PKT17, ZWZL15, Jan07]. **Communal** [UC22]. **Communication** [RUK19]. **Communities** [Hua13, Lee15, DGP09, YL08]. **Community** [SB16]. **Compact** [ÁL16, CN10]. **comparative** [Jan07, SMB<sup>+</sup>07]. **Comparing** [CPX14, SHHS17, ZBG<sup>+</sup>15]. **Comparison** [AST19, CCFF11]. **compensations** [SDN08]. **Completeness** [DNPR18]. **complex** [DWS<sup>+</sup>12]. **Complexities** [WHS13]. **Composite** [AADP19]. **Composition** [BAP13, CBB17, CB20, MFB21, WPB13, ZLKL19, ZYZ16, ARN12]. **Compositions** [ELM16, KVSH23, SZSA15]. **Comprehensive** [BHMW11, BHW13, SB16]. **compressed** [VKY10]. **Compression** [MKH22, NRS<sup>+</sup>22]. **Computation** [ZWZL15]. **Computational** [AKZ20]. **Computer** [CCC22]. **Computing** [CLB19a, ZTC11, DK08, WLCG20]. **Concept** [GWL<sup>+</sup>23]. **Conceptual** [SDC14].

**confidentiality** [PSBY10]. **conflict** [AMND<sup>+</sup>08]. **Conformance** [SFJ<sup>+</sup>23]. **Congruence** [SW11]. **Connections** [WST11]. **connectors** [MKR07]. **Consensus** [SXM<sup>+</sup>16, RHS09]. **Consent** [JTVM22]. **Consistency** [RSC<sup>+</sup>21]. **Constrained** [PMGO18, SMRM07]. **Constraint** [SFJ<sup>+</sup>23]. **Constraint-based** [SFJ<sup>+</sup>23]. **constraints** [ARN12, YZL07]. **Constructing** [CPX14, SXY<sup>+</sup>23]. **Construction** [ELM16]. **consumers** [DAA13]. **Consumption** [DV18]. **Content** [BBBF14, CRB18, RDW<sup>+</sup>16, RSC<sup>+</sup>21, WH14, ZBG<sup>+</sup>15, CM12, LLM13]. **Content-Based** [BBBF14, LLM13]. **Context** [Fra16, ZLW<sup>+</sup>22, ZM12, LJP<sup>+</sup>13, LLM13]. **Context-aware** [ZLW<sup>+</sup>22, LJP<sup>+</sup>13]. **Contextual** [ZWZL15, LHJL13, VGA13]. **Continuous** [BCF16, CZ21]. **contracting** [CP09]. **Control** [BAP13, PMOB11, PAAC17, SRG<sup>+</sup>22, DFJ<sup>+</sup>12]. **Control-Flow** [BAP13]. **Controlled** [DGS17]. **Conversational** [PMOB11, WCF<sup>+</sup>23]. **Conversion** [DBZ<sup>+</sup>12]. **Convolutional** [CLZ<sup>+</sup>22]. **Cookies** [TM09]. **Coordinating** [KWLA13]. **Corporate** [FG18]. **Correctness** [ETT08]. **Correctness-aware** [ETT08]. **Cost** [OAU11]. **Cost-Aware** [OAU11]. **Counterfeit** [CR20]. **crawl** [BYKS09]. **Crawling** [BMSV18, DJBO14, MvDL12, VCK14]. **Crawls** [CSLL18, SMB<sup>+</sup>07]. **Credit** [GZC<sup>+</sup>16]. **critical** [CCH<sup>+</sup>22]. **Cross** [GCH<sup>+</sup>18, GCH<sup>+</sup>21, WAP19]. **Cross-Browser** [WAP19]. **Cross-Platform** [WAP19]. **Cross-Site** [GCH<sup>+</sup>18, GCH<sup>+</sup>21]. **Crowds** [LCK<sup>+</sup>12]. **Crowdsourcing** [ABO<sup>+</sup>16, MPB20, TDKC15, WSL<sup>+</sup>19]. **CSS** [MMMD16]. **CSS-Sprite** [MMMD16]. **current** [CCFF11]. **Custom** [SDC14, TDKC15]. **Cyber** [ABLW19]. **Cyberaggression** [CLB<sup>+</sup>19b]. **Cyberbullying** [CLB<sup>+</sup>19b, CZ21]. **Cybersecurity** [SGJC20].

**DanMu** [HGC<sup>+</sup>18]. **Data** [ABO<sup>+</sup>16, AKJ<sup>+</sup>18, AZ19, BGNV10, DNPR18, EYH20, GCND<sup>+</sup>15, GCMG15, GZC<sup>+</sup>16, PMGO18, RP17, TTHS19, Tho14, ZJZ<sup>+</sup>21, DFJ<sup>+</sup>12, DWS<sup>+</sup>12, QBC13, ZCL<sup>+</sup>10, FPG15]. **data-intensive** [DFJ<sup>+</sup>12]. **Data-Types** [AZ19]. **Databases** [PPPS18]. **Datasets** [LCLQ19, RKOD22, TBB18, WCZ15]. **Day** [LZKN22]. **Decentralized** [BAP13, KVSH23]. **decisions** [ACC08]. **Declarative** [MPvda<sup>+</sup>10]. **Decoding** [ML18, SMB<sup>+</sup>07, XVWK23]. **Decompositions** [SSPÇ17]. **Decoupled** [CYL<sup>+</sup>21]. **Deep** [CCL<sup>+</sup>23, SDG<sup>+</sup>23, TC20, WWN<sup>+</sup>20, BKJ13]. **Defense** [FKW<sup>+</sup>21]. **DeFi** [KVSH23]. **Defined** [PPPS18]. **definitions** [BEP<sup>+</sup>08]. **Deltas** [ZTC11]. **demand** [SRRG07]. **Demonstration** [TKS11]. **denial** [SIYL08]. **Dense** [SSPÇ17, WMTO23, DGP09]. **Dependent** [WST11]. **Deployment** [CRB18, TM09]. **DescribeX** [CMRV10]. **Descriptors** [UÁM17]. **Design** [BYGJ<sup>+</sup>08, ZLKL19]. **Designing** [GTK11]. **destinations** [WBC08]. **Detecting** [ABLW19, CLB<sup>+</sup>19b, CASN13, LSC<sup>+</sup>08, ZLZL16]. **Detection** [AKZ20, ALS23, CR20, CZ21, DWXL23, EYH20, Lee15, LLW<sup>+</sup>23, OSB22, SSK<sup>+</sup>17, SXY<sup>+</sup>23, WAP19, XZ17, YYL<sup>+</sup>23, ZJ20, AMND<sup>+</sup>08, BCD<sup>+</sup>08, BLW13]. **Deterministic** [BGNV10]. **Developer** [CCH<sup>+</sup>22]. **Development** [CMP15, KPED14, SDC14, VP11]. **Device** [DWXL23, VDM<sup>+</sup>18]. **Device-level** [DWXL23]. **diagnostic** [WH13]. **Different** [BYKS09]. **Differentiation** [ZWML14]. **Difficulty** [Tho14]. **Diffusion** [Gae18, JKS23, MSP<sup>+</sup>17, PVK22]. **Digital** [KL17b]. **Dimensional** [BDM17]. **Directed** [CYL<sup>+</sup>21, SMRM07]. **directory** [LHJL13]. **Dis** [RH19]. **Disasters** [RGGG18]. **Discourse** [MZBD20]. **Discovering**

[ABO<sup>+</sup>16, WMS<sup>+</sup>16, YL08]. **Discovery** [APV10, MDG19, PT09, WJH13]. **Discussions** [BYJ<sup>+</sup>21]. **Disentangling** [KVSH23]. **Disk** [MA14]. **Disk-Based** [MA14]. **Disorder** [ALS23]. **displays** [XLH<sup>+</sup>09]. **Distance** [KKSS17, ZLW<sup>+</sup>22, VKY10]. **Distillation** [WST11]. **Distributed** [MK12, SLL<sup>+</sup>15, WLCG20, CKJA13, LMJ10]. **Distributed-computing** [WLCG20]. **Distributions** [RDW<sup>+</sup>16]. **Distrust** [QA14, ZWML14, VVCD13]. **Diversification** [NAS16]. **Diversionary** [WYY<sup>+</sup>15]. **DNS** [JBB<sup>+</sup>09]. **Do** [BYKS09, CCC22, DZS<sup>+</sup>16]. **Document** [WMTO23]. **Does** [PMGO18]. **DOM** [BLW13, WAP19]. **Domain** [CSLL18, SDC14, SDG<sup>+</sup>23, WPB13]. **Domain-Specific** [SDC14]. **domains** [AY10]. **Double** [CLZ<sup>+</sup>22]. **Download** [JBWR20]. **Drive** [JBWR20]. **Drive-by** [JBWR20]. **Driven** [EYH20, KV11, VP11, BLW13, CM12, FCBC10, OSB22, RDW<sup>+</sup>07, SFJ<sup>+</sup>23, ZHD07]. **During** [UC22, RGGG18]. **DUST** [BYKS09]. **Dynamic** [CZ21, JJM20, MvDL12, OACU13, WQG<sup>+</sup>21, ZLW<sup>+</sup>22, RDW<sup>+</sup>07, RCS<sup>+</sup>08]. **Dynamics** [LLSL18, MSP<sup>+</sup>17, WHGS16, LAH07, LSC<sup>+</sup>08].

**E-Commerce** [PKT17, Jan07, ZWZL15]. **Early** [DQSZ19, ZJ20]. **eBay** [RDJS07]. **Ecommerce** [XLWS17]. **Ecommerce-Reputation-Escalation-as-a-Service** [XLWS17]. **Ecosystem** [FTF<sup>+</sup>18, PVS19, XVWK23]. **Edge** [PPPS18]. **Edge-Labeled** [PPPS18]. **Editor** [Whi21]. **Editor-in-Chief** [Whi21]. **Editorial** [Ano15, AIN12, Dav18b]. **Effective** [WOM22]. **effectiveness** [Jan07]. **effects** [RDJS07]. **Efficient** [BYG11, NAS16, PBSO14, SLM13, YZL07, YMZ19, ZWZL15, ARN12, CKJA13]. **Effort** [KL17a, Lee15]. **Elastic** [FLT15]. **Electrical** [LLW<sup>+</sup>23]. **Element** [VVB21]. **Elements** [WAP19]. **Elimination** [CCH<sup>+</sup>22]. **Embedded** [KPED14]. **Embedding** [CYL<sup>+</sup>21, JWJ<sup>+</sup>18, WLT<sup>+</sup>21]. **Embeddings** [ABLW19, MA22, OSB22]. **Emergence** [RHS09]. **Emerging** [HGC<sup>+</sup>18, CSCB07]. **Emotions** [JBWR20]. **Empirical** [AALG22, FG18, MHG<sup>+</sup>20, RHLC17, WPC<sup>+</sup>22, XLWS17, MSBB10, RDM09, WOHO08]. **Enacting** [TDKC15]. **Encoders** [ZCC<sup>+</sup>23]. **Encoding** [ML18]. **End** [CMP15, ZLKL19, ARN12, DAA13, YZL07]. **end-to-end** [ARN12, YZL07]. **End-User** [CMP15, ZLKL19, DAA13]. **Enemy** [ABLW19]. **Energy** [DV18]. **Engagement** [DGS17]. **Engine** [BWLK10, BYG11, DGS17, SHKK14, BYGJ<sup>+</sup>08]. **Engineering** [FCBC10]. **Engines** [CAOU12, DDB<sup>+</sup>14, OAU11, OACU13]. **enhance** [WBC08]. **enhanced** [CCL<sup>+</sup>23]. **Enhancing** [VVCD13, WCF<sup>+</sup>23, Coo08]. **Enrich** [ZM12]. **enterprise** [GKS<sup>+</sup>08]. **Entity** [MDG19, TTHS19, XLC20, WJH13]. **Entity-Centric** [TTHS19]. **environment** [SDN08]. **Environments** [ZWZL15]. **Epidemic** [RKOD22]. **Episodic** [PWH16]. **Equivalent** [Hog17]. **Era** [KL17b]. **Escalation** [XLWS17]. **Estimating** [Hua13, KH15, SXM<sup>+</sup>16]. **Estimation** [BCF16]. **ethics** [AB08]. **Evaluating** [FG18, PKT17, WQG<sup>+</sup>21]. **Evaluation** [CLU16, KEG<sup>+</sup>08]. **Evaluations** [RDW<sup>+</sup>16]. **Event** [FGH<sup>+</sup>16, LLW<sup>+</sup>23, SLM13, ZJZ<sup>+</sup>21]. **Event-based** [ZJZ<sup>+</sup>21]. **Events** [FGH<sup>+</sup>16, MJ17]. **Evidence** [GZC<sup>+</sup>16, GZYS16]. **Evidence-Based** [GZYS16]. **evolution** [RCS<sup>+</sup>08]. **evolving** [NRS<sup>+</sup>22]. **Exclusive** [MKH22]. **Executable** [ELM16]. **Execution** [CJQ<sup>+</sup>21, JJM20, LMJ10]. **EXIP** [KPED14]. **Expansion** [WBdR12, XLC20]. **Experimental** [CR20]. **Experiments** [DGS17]. **Expert** [ZBG<sup>+</sup>15]. **Experts** [WPB13]. **Explain** [Tho14]. **Explaining**

[SÖ23]. **explicit** [VVCD13]. **Exploiting** [CASN13, LLSL18, SLP<sup>+</sup>19, WBdR12]. **exploration** [DWC12]. **Exploratory** [GZC<sup>+</sup>16]. **Exploring** [BCGL17, CMRV10, FTF<sup>+</sup>18, HGC<sup>+</sup>18, ZJZ<sup>+</sup>21]. **Expressions** [BGNV10]. **Extended** [QA14, SRG<sup>+</sup>22]. **External** [ÁL16, WBdR12, UT11]. **Extracting** [MMB<sup>+</sup>12, RGGG18, RN09]. **Extraction** [DGP09, FGH<sup>+</sup>16]. **Extractor** [AST19]. **Extractors** [AST19]. **Eye** [EYH16, EYH20].

**Face** [SXY<sup>+</sup>23]. **Facebook** [CHC13]. **Factorizing** [LZKN22]. **Fair** [BPG<sup>+</sup>22]. **Fake** [RKOD22, DQSZ19]. **Fast** [CBB17, CN10, LCLQ19, MA14, VKY10]. **Faster** [ML18]. **Feature** [VVB21, NKTP13]. **feature-word-topic** [NKTP13]. **Features** [BHMW11, MDG19]. **Feedback** [PKT17, SKGY14, WMT023]. **Feedback-Based** [PKT17]. **Figurative** [AKZ20]. **Filtering** [BCC14, CCFF11, MK12, MKR07, RDW<sup>+</sup>07, VGA13]. **Filters** [SLP<sup>+</sup>19]. **Finance** [KVSH23]. **Financial** [CLU16]. **Fingerprinting** [LBBA20]. **Fingerprints** [AALG22]. **FinTech** [CHT<sup>+</sup>23]. **Five** [AST19]. **Flares** [UC22]. **Flexible** [ELM16, FPWC22, SDN08]. **Flickr** [RN09, SW11]. **Flow** [BAP13, HGPS11]. **Focus** [WDD15]. **Focused** [VCK14]. **Fona** [WDD15]. **Footprint** [GZC<sup>+</sup>16]. **Forgery** [SXY<sup>+</sup>23]. **Form** [WPB13]. **Form-Based** [WPB13]. **Formal** [FPG15, KMV15]. **Forms** [Hog17]. **forums** [JGTF10]. **Foundations** [QA14]. **FoXtrot** [MK12]. **Framework** [AMH<sup>+</sup>21, BDM17, KV11, KPED14, WLCG20, XLC20, YB08, ZLKL19, ACC08, CP09, WJH13]. **Frameworks** [JCD<sup>+</sup>21]. **Fraud** [XZ17]. **Free** [PVS19, VVB21]. **Free-viewing** [VVB21]. **Friendly** [Fra16]. **friends** [ZZM<sup>+</sup>11]. **Friendship** [ABS<sup>+</sup>12]. **Ful** [FGH<sup>+</sup>16]. **functional** [ETT08]. **Fuse** [TTHS19]. **Fusion** [TTHS19, WCF<sup>+</sup>23].

**Game** [SRG<sup>+</sup>22]. **Generalized** [WQG<sup>+</sup>21]. **Generating** [AKJ<sup>+</sup>18]. **Generation** [JCD<sup>+</sup>21, LCLQ19]. **Genetic** [MZBD20]. **Georeferenced** [DDB<sup>+</sup>14]. **Geosocial** [KKSS17]. **Gifting** [RHLC17]. **global** [YL08]. **GNN** [YYL<sup>+</sup>23]. **GNNs** [LLW<sup>+</sup>23]. **Goal** [ZLD<sup>+</sup>21]. **GPS** [ZCL<sup>+</sup>10]. **Graph** [ALS23, BCGL17, CN10, FPG15, JKS23, JWJ<sup>+</sup>18, PPS18, PYWY23, SW11, WLP<sup>+</sup>23, ZCC<sup>+</sup>23, DGP09]. **Graphlets** [JXCX21]. **Graphs** [Hog17, SXY<sup>+</sup>23, WSPZ12]. **Group** [SDG<sup>+</sup>23]. **GroupAligner** [SDG<sup>+</sup>23]. **Grouping** [HHBT20].

**Habits** [VDM<sup>+</sup>18]. **Hate** [ABLW19]. **healing** [AMH<sup>+</sup>21]. **Health** [WH14]. **Here** [PAL18]. **Heterogeneous** [AL23, GWL<sup>+</sup>23, VBM17, WLP<sup>+</sup>23]. **Hidden** [BCGL17]. **hierarchically** [XLH<sup>+</sup>09]. **Hierarchy** [SSPC17]. **High** [CLB19a, CCFF11, ETT08]. **high-level** [ETT08]. **High-performance** [CLB19a, CCFF11]. **Historic** [BWLK10]. **Historical** [LZKN22]. **Histories** [PWH16]. **history** [ZZM<sup>+</sup>11]. **Hoaxes** [ZJ20]. **Home** [CCC22, DWXL23, KWLA13]. **Homepage** [GCMG15]. **homophily** [ABS<sup>+</sup>12]. **Host** [HGPS11]. **Host-Based** [HGPS11]. **HTML** [MDG19, MMH13, RDW<sup>+</sup>07, UCFL08]. **HTTP** [PMGO18]. **Huge** [PBSO14]. **Human** [MA22, SHHS17]. **Humans** [GFTC19]. **Hybrid** [OACU13, ARN12]. **hypervideo** [LV13]. **Hypotheses** [SHHS17].

**IaaS** [MFB21]. **Identification** [HGPS11, AY10]. **Identifying** [LCK<sup>+</sup>12, SSPC17, WQG<sup>+</sup>21]. **Identity** [BCF16, SKGY14]. **Illness** [PWH16]. **Image** [TC20, UAM17, NKTP13]. **Imaginary** [AKJ<sup>+</sup>18]. **Impartial** [BCF16]. **implementation** [CHC13]. **Implementing** [GTK11]. **Implications** [JKH<sup>+</sup>12, WSPZ12, TM09]. **implicit**

[DGP09]. **Imply** [PMGO18]. **Improve** [SHKK14]. **Improving** [GCMG15, HHBT20, RSC<sup>+</sup>21, SFJ<sup>+</sup>23, VGA13, UT11]. **In-Real-Life** [MJ17]. **incentives** [JGTF10]. **Incidents** [UC22]. **Incompatibilities** [WAP19]. **Incompletely** [TBBI18]. **Incremental** [CZ21, MA14]. **increments** [RDJS07]. **index** [CKJA13]. **Indexing** [MA14]. **Individual** [SXM<sup>+</sup>16, UT11, ZZM<sup>+</sup>11]. **Inference** [BGNV10]. **Influence** [GCH<sup>+</sup>21, VVB21]. **Information** [Gae18, GWL<sup>+</sup>23, JKS23, KL17a, LLW<sup>+</sup>23, MCFL18, MSP<sup>+</sup>17, MJ17, PMGO18, RGGG18, CSCB07, MMB<sup>+</sup>12]. **Initiative** [GCND<sup>+</sup>15]. **Injection** [CZZ15]. **insecure** [YW13]. **Insertion** [PBSO14]. **Insights** [GAC<sup>+</sup>11, RKOD22]. **Instantaneous** [SLP<sup>+</sup>19]. **Institution** [CLU16]. **Instructions** [ML18]. **Integrated** [RSC<sup>+</sup>21]. **Integrating** [DFJ<sup>+</sup>12, SZSA15, TDKC15, QBC13]. **Integration** [DBZ<sup>+</sup>12, EYH20]. **Intelligence** [DLMI16]. **intensive** [DFJ<sup>+</sup>12]. **Intention** [OSB22]. **Inter** [MHG<sup>+</sup>20, BKJ13]. **Inter-app** [MHG<sup>+</sup>20]. **inter-source** [BKJ13]. **Interaction** [Tho14, WBC08]. **Interactions** [WSPZ12, JWW<sup>+</sup>13]. **interactive** [LV13]. **Interconnected** [Gae18]. **interest** [AMND<sup>+</sup>08, MPB20]. **Interface** [MvDL12]. **interfaces** [SWL<sup>+</sup>13]. **International** [MA22]. **Internet** [CGM14, DJBO14, CSCB07, DWS<sup>+</sup>12, FCBC10, JTVM22, UPS<sup>+</sup>07, WDD15]. **Interpretable** [WWN<sup>+</sup>20]. **Introduction** [AB08, AI07, DK08, ND08, PYWY23, RS11]. **Invariant** [SÖ23]. **inverted** [CKJA13]. **Investigating** [VVB21]. **Investigation** [FG18, XLWS17]. **Investing** [WWW<sup>+</sup>17]. **Investment** [AL23]. **IRLbot** [LLWL09]. **Isomorphic** [Hog17]. **Issue** [PYWY23, AB08, DK08, RS11]. **issues** [ND08]. **JavaScript** [CCH<sup>+</sup>22, YW13]. **JSAnalyzer** [CCH<sup>+</sup>22]. **Judgments** [SXM<sup>+</sup>16]. **Keyword** [ZB21]. **Keywords** [CCL<sup>+</sup>23]. **Keywords-enhanced** [CCL<sup>+</sup>23]. **KiN** [PAL18]. **Knowledge** [ELM16, JWJ<sup>+</sup>18, MTFD18, PAL18, ZTC11, BLW13, GBF<sup>+</sup>09, QBC13]. **knowledge-aware** [QBC13]. **Kodi** [XVWK23]. **Label** [BWLK10]. **Labeled** [PPPS18]. **Labelling** [Hog17]. **Language** [AKZ20, ABLW19, BHW13, FPG15, ZLL<sup>+</sup>23, DAA13]. **Large** [AALG22, CLU16, CSLL18, GFTC19, JKH<sup>+</sup>12, PGAW23, WPC<sup>+</sup>22, RDM09, XLL<sup>+</sup>10]. **Large-Scale** [CLU16, CSLL18, JKH<sup>+</sup>12, PGAW23, AALG22, GFTC19, WPC<sup>+</sup>22, RDM09, XLL<sup>+</sup>10]. **Last** [BYJ<sup>+</sup>21]. **latent** [APV10, JWW<sup>+</sup>13]. **Layout** [HY23, MMH13, WAP19, CM12]. **LDAP** [KV11]. **LDoW** [RP17]. **Leaders** [JKS23]. **Leak** [ABO<sup>+</sup>16]. **Leak-Aware** [ABO<sup>+</sup>16]. **Leaning** [Hog17]. **Learning** [BGNV10, CZZ15, CTC<sup>+</sup>15, CCL<sup>+</sup>23, CRPLM11, HY23, MFB21, Ric08, STZL20, SDG<sup>+</sup>23, WLP<sup>+</sup>23, ZM12]. **Learning-based** [MFB21]. **legal** [RDM09]. **Leniency** [LLW12]. **Lens** [MZBD20]. **Less** [PMGO18]. **Level** [UÁM17, DWXL23, ETT08, SIYL08]. **Leveraging** [SKGY14, WBC08]. **Life** [MJ17, PWH16]. **Limitations** [CCFF11]. **Linguistic** [BZR<sup>+</sup>21]. **Link** [BCD<sup>+</sup>08, WST11, ZWML14]. **Link-Based** [ZWML14]. **Linked** [RP17, TTHS19]. **Linking** [GCH<sup>+</sup>18]. **links** [Jan07]. **List** [Dav18c]. **Literature** [ZLKL19]. **Local** [CBB18, DDB<sup>+</sup>14, YL08]. **Locally** [JWJ<sup>+</sup>18]. **Localness** [PAL18]. **Location** [KKSS17, PAL18, ZZM<sup>+</sup>11]. **Location-Based** [KKSS17, PAL18]. **locations** [ZZM<sup>+</sup>11]. **log**

[AB08, Coo08, PSBY10]. **logs** [Ric08, VKY10, XLL<sup>+</sup>10]. **Long** [BWLK10, PVS19, Ric08]. **Long-term** [PVS19, Ric08]. **Longitudinal** [VDM<sup>+</sup>18]. **Look** [GCND<sup>+</sup>15]. **Low** [UÁM17]. **Low-Level** [UÁM17].

**Machine** [HY23]. **Made** [UC22]. **Maintenance** [PBSO14]. **Management** [AL23, DNPR18, SLL<sup>+</sup>15, DFJ<sup>+</sup>12, GKS<sup>+</sup>08]. **Manipulation** [DLMI16, Lee15]. **map** [XLL<sup>+</sup>10]. **Mapping** [CGM14]. **Market** [BSW23]. **marketing** [LAH07]. **Markets** [SCW<sup>+</sup>10]. **Mashup** [SDC14]. **Mashups** [CMP15, TKS11]. **Masses** [BMSV18]. **Massive** [BMSV18]. **matching** [ETT08]. **Matter** [UÁM17]. **Measure** [GZYS16, LCZ<sup>+</sup>20, WDD15]. **Measurement** [CR20, PVS19, YW13]. **Measurements** [BYG11, AY10]. **Measures** [KKSS17, Lee15, ZLW<sup>+</sup>22]. **Measuring** [JTVM22, MA22, WHS13]. **Mechanism** [CBB17]. **Media** [AKJ<sup>+</sup>18, BSW23, CLB<sup>+</sup>19b, CZ21, RGGG18, ZJ20, ABS<sup>+</sup>12]. **Mediated** [Fra16]. **Mediates** [KL17a]. **Memory** [ÁL16]. **Mental** [ALS23]. **Merging** [DDB<sup>+</sup>14]. **Message** [Whi21]. **Meta** [WLP<sup>+</sup>23]. **Meta-structure** [WLP<sup>+</sup>23]. **Method** [SHHS17]. **Methodology** [DBZ<sup>+</sup>12, GAC<sup>+</sup>11, CM12]. **Methods** [LCZ<sup>+</sup>20, RN09]. **Metric** [WDD15]. **Microblogs** [CLR<sup>+</sup>19]. **Millennial** [RH19]. **Minimization** [PVK22]. **minimum** [RDJS07]. **Mining** [AZ19, BWLK10, GZC<sup>+</sup>16, PYWY23, SCS<sup>+</sup>14, WLT<sup>+</sup>21, PSBY10]. **Misinformation** [DQSZ19, WWW<sup>+</sup>17]. **Misogyny** [PAC<sup>+</sup>21]. **Mitigating** [MKH22, SIYL08]. **Mobile** [CCH<sup>+</sup>22, CSCB07, DV18, PMGO18, SSK<sup>+</sup>17]. **Mobility** [CPX14]. **modalities** [SMRM07]. **Model** [CCL<sup>+</sup>23, DJBO14, Gae18, KMV15, PMOB11, SGJC20, SW11, SMRM07, SFJ<sup>+</sup>23, VP11, WWN<sup>+</sup>20, ZLL<sup>+</sup>23, BLW13, CKJA13, CM12, FCBC10, NKTP13]. **Model-Based** [DJBO14, ZLL<sup>+</sup>23]. **Model-directed** [SMRM07]. **Model-Driven** [VP11, SFJ<sup>+</sup>23, CM12, FCBC10]. **Modeling** [MSBB10, MCFL18, PKT17, PVK22, RSC<sup>+</sup>21, TDKC15, VVB21, XZ17, ZHD07, DWS<sup>+</sup>12, UPS<sup>+</sup>07, RH19]. **Modellus** [DWS<sup>+</sup>12]. **Models** [ACC08, BBBF14, HHBT20, LCZ<sup>+</sup>20, RKOD22, WZT<sup>+</sup>17, ZM12]. **modes** [ZCL<sup>+</sup>10]. **Mold** [DLMI16]. **Money** [SCW<sup>+</sup>10]. **Monitoring** [KL10]. **MOOCs** [GWL<sup>+</sup>23]. **MPEG** [UÁM17]. **MPEG-7** [UÁM17]. **Multi** [BDM17, LLW<sup>+</sup>23, SRG<sup>+</sup>22, ZCC<sup>+</sup>23]. **Multi-Channel** [LLW<sup>+</sup>23]. **Multi-Dimensional** [BDM17]. **Multi-Party** [SRG<sup>+</sup>22]. **Multi-Task** [ZCC<sup>+</sup>23]. **Multidevice** [CMP15]. **Multiple** [CB20]. **Multiplex** [JXCX21]. **Multirelational** [VBM17]. **multitier** [UPS<sup>+</sup>07]. **MultiView** [PBSO14]. **Mutable** [FGH<sup>+</sup>16]. **Mutexion** [MKH22]. **Mutually** [MKH22]. **My** [KSG<sup>+</sup>22]. **MyAdChoices** [PAAC17]. **Myths** [SHKK14].

**NautiLOD** [FPG15]. **Naver** [PAL18]. **Navigating** [DWC12, Tho14]. **Navigation** [MHG<sup>+</sup>20, RP17, WDD15]. **nearest** [MKR07]. **nearest-neighbor** [MKR07]. **Neighbor** [BCC14, MKR07]. **Network** [ALS23, CLZ<sup>+</sup>22, JKS23, WLT<sup>+</sup>21, ZJZ<sup>+</sup>21, ZLD<sup>+</sup>21, ZCC<sup>+</sup>23, YL08]. **Networks** [AKZ20, ABO<sup>+</sup>16, AL23, CYL<sup>+</sup>21, Gae18, GCH<sup>+</sup>18, GCH<sup>+</sup>21, GWL<sup>+</sup>23, JKS23, JXCX21, KL17a, KSG<sup>+</sup>22, KH15, MSP<sup>+</sup>17, NRS<sup>+</sup>22, PBSO14, QA14, RUK19, SRG<sup>+</sup>22, SLL<sup>+</sup>15, TC20, VBM17, WHGS16, WQG<sup>+</sup>21, WSPZ12, WWN<sup>+</sup>20, ZBG<sup>+</sup>15, ZLW<sup>+</sup>22, AMND<sup>+</sup>08, CHC13, Gol09, JWW<sup>+</sup>13, MMB<sup>+</sup>12]. **Neural** [CLZ<sup>+</sup>22, JKS23, PAC<sup>+</sup>21, TC20, WWN<sup>+</sup>20, ZCC<sup>+</sup>23]. **News** [AL23, RKOD22, DQSZ19].



**Next** [LZKN22]. **Next-Day** [LZKN22]. **Niffler** [DWXL23]. **NN** [XLC20]. **Nodes** [Hog17, WQG+21]. **Noise** [CZZ15]. **Non** [CCH+22]. **Non-critical** [CCH+22]. **Nonfunctional** [FLT15]. **Nonlinear** [MSP+17]. **nonsponsored** [Jan07]. **Notices** [CLU16]. **Novel** [GZYS16, LCZ+20]. **nuanced** [Gol09]. **Nucleus** [SSPÇ17]. **Numbers** [AKJ+18].

**Obfuscation** [RG17]. **Objectives** [CB20]. **Objects** [CRPLM11, DDB+14]. **obligations** [RDM09]. **Obscenity** [RG17]. **Observations** [GAC+11]. **Obstructing** [RG17]. **off** [FLT15]. **Offloading** [JJM20]. **offs** [BYGJ+08]. **on-demand** [SRRG07]. **Online** [AKZ20, AKJ+18, AL23, BYJ+21, CZ21, DGS17, Gae18, GCH+18, GCH+21, HGC+18, Hua13, JKS23, JCD+21, KL17a, KSG+22, LLW12, Lee15, MA22, PAAC17, SKGY14, SCB17, SCW+10, Tho14, WH14, WSPZ12, XZ17, ZBG+15, Gol09, JWW+13, JGTF10]. **Ontologies** [MTDF18]. **OP** [GTK11]. **OP2** [GTK11]. **Open** [KMV15, LHJL13]. **OpenNet** [GCND+15]. **Operable** [BCF16]. **Operations** [SGJC20]. **Opinion** [DLMI16, JKS23, UÁM17, XZ17]. **Opportunities** [DA15]. **Optimal** [VKY10]. **Optimisation** [FPWC22]. **optimization** [YB08]. **Optimizing** [WYJ+18]. **Organizational** [GAC+11]. **Organizer** [ZJZ+21]. **oriented** [AMH+21, DK08, LMJ10, RCS+08, ZHD07]. **OSN** [BCF16, RHLC17]. **OSN-Based** [RHLC17]. **Othering** [ABLW19]. **outsourced** [SSL09, SSL09]. **Outsourcing** [SGJC20]. **Overview** [CHT+23].

**P2P** [HGPS11]. **P3P** [RDM09]. **Packages** [ZCC+23]. **Packing** [MMMD16]. **Page** [BHW13, EYH20, UAM17, WYJ+18, WST11]. **Pages** [CCH+22, EYH16, HY23, WHS13, LLWL09, XLH+09]. **Pairwise** [YMZ19]. **PaN** [RP17]. **parallel** [WJH13]. **parsing** [SWL+13]. **Part** [PYWY23]. **partitioning** [CKJA13]. **Partners** [TCM+18]. **Party** [SRG+22]. **Passage** [WMTO23]. **path** [WJH13]. **pattern** [ZHD07]. **PatternRank** [XLC20]. **Patterns** [BAP13, ZHD07]. **PeaCE** [FGH+16]. **PeaCE-Ful** [FGH+16]. **Penetrating** [YMZ19]. **Penetrating-rank** [YMZ19]. **People** [AKJ+18, KL17b]. **Performance** [BCC14, JKH+12, CCFF11, CLB19a]. **Periodicity** [DGS17]. **Personality** [KSG+22]. **Personalized** [FLT15, QRD+22]. **Personas** [AKJ+18]. **Perspective** [MCFL18, Co08]. **Phases** [AMH+21]. **Phone** [RH19]. **Photo** [SCB17]. **Piggybacking** [CLR+19]. **place** [RN09]. **Platform** [KL10, WAP19]. **Platforms** [BPG+22, PKT17, SDC14, WWW+17]. **Point** [MPB20]. **Point-of-interest** [MPB20]. **Polarization** [DQSZ19]. **Policies** [JTVM22, WSL+19, RDM09]. **Policy** [CRB18, Co08]. **Political** [Lee15]. **popular** [WBC08]. **Popularity** [HHBT20, SLP+19]. **portal** [AY10]. **Portals** [CLB19a]. **Post** [ZLD+21]. **Post-Syncing** [ZLD+21]. **Posts** [WYY+15]. **Potential** [DQSZ19]. **Power** [LLW+23]. **Practical** [ALR+11, LCLQ19]. **Practice** [ZLD+21]. **practices** [YW13]. **Pre** [ZLL+23]. **Pre-trained** [ZLL+23]. **Predict** [SLP+19, ZJZ+21]. **Predictability** [HKH+16]. **Predicting** [CBB18, KSG+22]. **Prediction** [BCC14, BSW23, GCH+21, HHBT20, HKH+16, LZKN22, TC20, WZZ+16, ABS+12]. **Preference** [FLT15]. **Prefetching** [OACU13]. **Presentation** [RP17, WYJ+18]. **preserving** [PSBY10]. **PRF** [WMTO23]. **primitives** [ZHD07]. **Print** [KL17b]. **Privacy** [BCF16, CLU16, JTVM22, PSBY10, SCB17, TC20, WSL+19, Co08, RDM09]. **Privacy-Aware** [BCF16]. **privacy-enhancing** [Co08]. **Privacy-preserving** [PSBY10]. **private**

[CHC13]. **Probabilistic** [XZ17, ZYZ16, MSBB10]. **Problem** [MMMD16, AMND<sup>+</sup>08, CM12]. **Process** [CJQ<sup>+</sup>21, RHLC17, LMJ10, VVCD13, ZHD07]. **process-driven** [ZHD07]. **Processes** [CJQ<sup>+</sup>21, TDKC15]. **Processing** [CAOU12, FGH<sup>+</sup>16, CKJA13]. **producers** [DAA13]. **profile** [Gol09]. **Profiles** [BCF16, CPX14]. **Profiling** [PMGO18]. **Progress** [HR13]. **project** [LHJL13]. **promoters** [MKR07]. **Promoting** [ZLZL16]. **Propagating** [ZWML14]. **Propagation** [JBWR20, MTDF18, RKOD22, SW11]. **Properties** [AALG22, WOM22]. **proposals** [CCFF11]. **Protect** [CTC<sup>+</sup>15]. **Protecting** [JBB<sup>+</sup>09]. **protection** [PSBY10]. **Protocol** [DBZ<sup>+</sup>12, Fra16]. **protocols** [RCS<sup>+</sup>08]. **Provenance** [KMV15]. **Provision** [SLL<sup>+</sup>15]. **Proxy** [PVS19, RDJS07]. **Pseudo** [WMTO23]. **Pseudo-Relevance** [WMTO23]. **Public** [DLMI16]. **publication** [PT09]. **Purchase** [LZKN22].

**Q2P** [WMS<sup>+</sup>16]. **QoS** [ARN12, CB20, CP09, Hua13, WZZ<sup>+</sup>16, YZL07, ZYZ16]. **QoS-aware** [CB20]. **QoS-based** [CP09]. **Quality** [FG18, LLW12, RDW<sup>+</sup>16, GKS<sup>+</sup>08, MSBB10]. **Quantitative** [WDD15].

**Queries** [BWLK10, CBB18, CASN13, FPWC22, PPPS18, XLC20, ZB21, GBF<sup>+</sup>09, Jan07]. **Query** [BWLK10, CAOU12, DDB<sup>+</sup>14, HKH<sup>+</sup>16, OAU11, SXM<sup>+</sup>16, WBdR12, WST11, WMS<sup>+</sup>16, AB08, CKJA13, Coo08, PSBY10, Ric08, SWL<sup>+</sup>13, VKY10, YB08]. **Query-Dependent** [WST11]. **Query-URL** [SXM<sup>+</sup>16]. **Queryable** [NRS<sup>+</sup>22]. **Querying** [TBBI18, QBC13]. **Question** [SB16]. **quite** [WOHM08].

**Random** [JXCX21, KH15, ZBG<sup>+</sup>15]. **rank** [YMZ19]. **Ranking** [BDM17, CZZ15, CSLL18, SHKK14, XLC20, ZM12, ZLL<sup>+</sup>23].

**Ransomware** [WPC<sup>+</sup>22]. **Rare** [BWLK10]. **Rates** [SLP<sup>+</sup>19]. **Rating** [LLW12]. **Ratings** [LLSL18, SCS<sup>+</sup>14, MKR07, UT11]. **Rationales** [DA15]. **RDF** [DNPR18, Hog17, LCLQ19, ZTC11]. **RDF/S** [ZTC11]. **Readers** [PGAW23]. **readership** [APV10]. **Real** [AKJ<sup>+</sup>18, DWXL23, HGPS11, MJ17]. **Real-Time** [HGPS11, DWXL23]. **Reality** [SHKK14]. **rebinding** [JBB<sup>+</sup>09]. **Recommendation** [BPG<sup>+</sup>22, CLZ<sup>+</sup>22, CCL<sup>+</sup>23, GWL<sup>+</sup>23, LCZ<sup>+</sup>20, LLSL18, MPB20, QRD<sup>+</sup>22, RSC<sup>+</sup>21, TCM<sup>+</sup>18, VBM17, WZZ<sup>+</sup>16, WOM22, WCF<sup>+</sup>23, WLCG20, ZCC<sup>+</sup>23, LLM13, SZG11, VVCD13]. **recommendations** [UT11]. **Recommender** [GZYS16, CCFF11, RS11, SZG11]. **Recommending** [ZZM<sup>+</sup>11]. **records** [BLW13]. **Recovery** [BZR<sup>+</sup>21]. **Reddit** [MZBD20]. **Reduce** [DV18]. **Regular** [BGNV10]. **Reinforced** [GWL<sup>+</sup>23, YYL<sup>+</sup>23]. **Reinforcement** [CCL<sup>+</sup>23, SDG<sup>+</sup>23]. **Relapse** [BZR<sup>+</sup>21]. **Relating** [SCW<sup>+</sup>10]. **Relational** [HY23, KSG<sup>+</sup>22]. **Relationship** [WLT<sup>+</sup>21]. **Relevance** [SXM<sup>+</sup>16, WMTO23, BKJ13]. **Reliable** [SLL<sup>+</sup>15]. **Remotely** [KL10]. **Rendered** [HY23]. **Reporting** [JGTF10]. **Repositories** [BBBF14]. **Representation** [ÁL16, STZL20, WCF<sup>+</sup>23]. **Representations** [CN10]. **Representing** [AKJ<sup>+</sup>18]. **Reputation** [PKT17, SCW<sup>+</sup>10, XLWS17]. **ReputationPro** [ZWZL15]. **Requirements** [VP11]. **Researcher** [GCMG15]. **Resilient** [SLL<sup>+</sup>15]. **RESTful** [BAP13]. **Restricted** [JXCX21]. **Result** [NAS16, OAU11, OACU13]. **Results** [CR20, DDB<sup>+</sup>14, BKJ13]. **Retention** [SLP<sup>+</sup>19]. **Retrieval** [MCFL18, WMTO23, YMZ19, ZB21, ZLL<sup>+</sup>23, NKTP13]. **Reusable** [ELM16]. **Review** [JCD<sup>+</sup>21,

RKOD22, WOM22, ZLKL19, JGTF10]. **Reviewers** [Dav18c, Dav18a]. **Reviews** [LLSL18, XZ17]. **Rich** [WDD15, FCBC10, CGM14, DJBO14]. **Risk** [AL23]. **Roaming** [MHG<sup>+</sup>20]. **Robust** [BLW13, PKT17, WWN<sup>+</sup>20]. **Roles** [RUK19, MKR07]. **RoSGAS** [YYL<sup>+</sup>23]. **Rule** [TBB18, WLCG20]. **Rule-Based** [TBB18]. **runtime** [ACC08].

**S** [PMGO18, ZTC11]. **Sample** [BYJ<sup>+</sup>21, WCZ15]. **Sampled** [WCZ15]. **Sampling** [JXCX21, ZBG<sup>+</sup>15]. **Scalability** [WLCG20]. **Scalable** [AMND<sup>+</sup>08, CBB17, NAS16, CCFF11]. **Scale** [CLU16, CSLL18, JKH<sup>+</sup>12, PGAW23, SÖ23, WSL<sup>+</sup>19, ZJ20, AALG22, GFTC19, RDM09, WPC<sup>+</sup>22, XLL<sup>+</sup>10]. **Scale-Invariant** [SÖ23]. **Scaling** [LLWL09]. **Scanpath** [EYH16]. **Scanpaths** [EYH16]. **Scenarios** [JCD<sup>+</sup>21, PMGO18]. **Schemas** [BGNV10]. **scheme** [AADS13]. **Scoring** [GZC<sup>+</sup>16, PPPS18]. **Scouts** [MKR07]. **Screens** [MJ17]. **Search** [BWLK10, BYG11, BBBF14, CBB18, CZZ15, CAO12, CR20, CRPLM11, DDB<sup>+</sup>14, DGS17, HKH<sup>+</sup>16, MA14, NAS16, OAU11, OACU13, PWH16, SSL09, SHKK14, TWH14, WYJ<sup>+</sup>18, WH14, XLC20, YYL<sup>+</sup>23, ZM12, ZLL<sup>+</sup>23, BYGJ<sup>+</sup>08, CSCB07, GBF<sup>+</sup>09, LJP<sup>+</sup>13, ND08, VKY10, WBC08, WH13, XLL<sup>+</sup>10]. **Search-as-a-service** [SSL09]. **Searching** [BDM17, DWC12]. **Second** [MJ17, OACU13]. **section** [ND08]. **Security** [AADP19, CRB18, AADS13]. **Selection** [BCC14, FLT15, WOM22, YZL07]. **Self** [AMH<sup>+</sup>21, YYL<sup>+</sup>23, LSC<sup>+</sup>08]. **Self-healing** [AMH<sup>+</sup>21]. **self-similarity** [LSC<sup>+</sup>08]. **Self-supervised** [YYL<sup>+</sup>23]. **Semantic** [ELM16, LHJL13, LLM13, WMTO23, ZB21, AMND<sup>+</sup>08, ETT08, PT09]. **Semantics** [CRB18, RN09]. **Semantics-Based** [CRB18]. **semi** [BLW13]. **semi-structured** [BLW13]. **Sentiment** [CASN13, VCK14, LCZ<sup>+</sup>20]. **Sentiment-Focused** [VCK14]. **Sequence** [SLM13]. **Sequential** [CLZ<sup>+</sup>22, MFB21]. **series** [VKY10]. **Servers** [JKH<sup>+</sup>12, SIYL08]. **Service** [AMH<sup>+</sup>21, BAP13, CJQ<sup>+</sup>21, CBB17, CB20, ELM16, FLT15, STZL20, SLL<sup>+</sup>15, SZSA15, WZZ<sup>+</sup>16, WPB13, XLWS17, ZLKL19, ZYZ16, ARN12, CP09, DK08, GKS<sup>+</sup>08, LMJ10, MPvdA<sup>+</sup>10, RCS<sup>+</sup>08, SDN08, SSL09, SIYL08, YB08, ZHD07]. **Service-oriented** [AMH<sup>+</sup>21, LMJ10, RCS<sup>+</sup>08, ZHD07]. **Services** [AADP19, BCGL17, GAC<sup>+</sup>11, Hua13, PMOB11, SFJ<sup>+</sup>23, AADS13, BEP<sup>+</sup>08, ETT08, GKS<sup>+</sup>08, KWLA13, LLM13, PT09, QBC13, YZL07]. **Session** [ZM12, ZCC<sup>+</sup>23]. **Session-Based** [ZCC<sup>+</sup>23]. **Session-Context** [ZM12]. **Set** [XLC20]. **Sexism** [PAC<sup>+</sup>21]. **sGrow** [SÖ23]. **shared** [RHS09]. **Sharing** [MAY<sup>+</sup>11, MJ17, PAL18, WWN<sup>+</sup>20]. **Shifts** [PWH16]. **Should** [AST19, WCZ15]. **Side** [DA15, KL10, MKH22]. **Side-Channel** [MKH22]. **sided** [BPG<sup>+</sup>22]. **Signed** [CYL<sup>+</sup>21]. **Signs** [UC22]. **Similar** [BYKS09]. **similarities** [UCFL08]. **Similarity** [GZYS16, KKSS17, LCZ<sup>+</sup>20, YMZ19, Gol09, LSC<sup>+</sup>08]. **Simpler** [PMGO18]. **Simplifying** [CCH<sup>+</sup>22]. **Simulating** [MCFL18]. **SIP** [DBZ<sup>+</sup>12]. **Site** [GCH<sup>+</sup>18, GCH<sup>+</sup>21]. **Sites** [FG18, ZLD<sup>+</sup>21]. **Situational** [RGGG18]. **Size** [KH15]. **small** [XLH<sup>+</sup>09]. **Smart** [DWXL23, KWLA13]. **SMINT** [WWN<sup>+</sup>20]. **SMS** [OSB22]. **Snapshot** [JJM20]. **Snippet** [LCLQ19]. **SOAP** [DBZ<sup>+</sup>12]. **SOC** [DK08]. **Social** [AKZ20, ABO<sup>+</sup>16, AKJ<sup>+</sup>18, BSW23, CLB<sup>+</sup>19b, CZ21, DZS<sup>+</sup>16, Gae18, GCH<sup>+</sup>18, GCH<sup>+</sup>21, GZC<sup>+</sup>16, JKS23, KL17a, KSG<sup>+</sup>22, KH15, MSP<sup>+</sup>17, NRS<sup>+</sup>22, PBSO14, RUK19, RGGG18, SCS<sup>+</sup>14, SW11, SKGY14, SRG<sup>+</sup>22, SDG<sup>+</sup>23, WQG<sup>+</sup>21, WSPZ12, YYL<sup>+</sup>23, ZBG<sup>+</sup>15, ZJZ<sup>+</sup>21, ZLD<sup>+</sup>21, ZJ20,

ABS<sup>+</sup>12, AMND<sup>+</sup>08, CHC13, Gol09, JWW<sup>+</sup>13, SZG11]. **software** [LLM13]. **Solution** [MMMD16]. **source** [BKJ13, GBF<sup>+</sup>09]. **Sources** [DNPR18, BKJ13]. **Spam** [CLR<sup>+</sup>19, LCK<sup>+</sup>12, OSB22, SSK<sup>+</sup>17, ZWML14, ZLZL16, BCD<sup>+</sup>08, KEG<sup>+</sup>08, UCFL08]. **SPARQL** [FPWC22]. **Spatial** [WZZ<sup>+</sup>16]. **Spatial-Temporal** [WZZ<sup>+</sup>16]. **Spatio** [SXY<sup>+</sup>23]. **Spatio-Temporal** [SXY<sup>+</sup>23]. **Special** [PYWY23, AB08, DK08, ND08, RS11]. **Specialized** [CRPLM11, RUK19]. **Specific** [DBZ<sup>+</sup>12, SDC14]. **Specification** [VP11, MPvA<sup>+</sup>10]. **Speech** [ABW19]. **spots** [LSC<sup>+</sup>08]. **sponsored** [Jan07]. **SpotSpam** [OSB22]. **Spotting** [UC22]. **Spread** [UC22]. **Sprite** [MMMD16]. **Stamped** [SLM13]. **Standardized** [CLU16]. **start** [GCH<sup>+</sup>21, MPB20]. **State** [MvDL12]. **Stated** [RDM09]. **statistical** [SWL<sup>+</sup>13]. **Stock** [BSW23, CLR<sup>+</sup>19]. **storage** [SSL09]. **Strategies** [OAU11]. **Strategy** [CJQ<sup>+</sup>21]. **Stream** [WCZ15, ZBG<sup>+</sup>15]. **Streaming** [NRS<sup>+</sup>22, SÖ23, SRRG07]. **Strength** [SÖ23]. **Stress** [RUK19]. **Structural** [QA14, WQG<sup>+</sup>21, MK12]. **Structure** [RUK19, BLW13, SMB<sup>+</sup>07, WLP<sup>+</sup>23]. **structure-knowledge-driven** [BLW13]. **Structured** [BZR<sup>+</sup>21, BLW13, XLH<sup>+</sup>09]. **Studies** [ZLKL19]. **Study** [BHMW11, BHW13, CR20, CGM14, DZS<sup>+</sup>16, GZC<sup>+</sup>16, KL17b, PAL18, PMGO18, RHLC17, CSCB07, RDM09, TM09, WOHM08, XLL<sup>+</sup>10, YW13]. **Studying** [ZLD<sup>+</sup>21]. **style** [UCFL08]. **subcommunities** [APV10]. **Subgraphs** [SSPÇ17]. **Subjective** [RDW<sup>+</sup>16]. **subpages** [XLH<sup>+</sup>09]. **Summarizing** [RGGG18]. **Summary** [JCD<sup>+</sup>21]. **Supervised** [CTC<sup>+</sup>15, JCD<sup>+</sup>21, YYL<sup>+</sup>23]. **Supporting** [RCS<sup>+</sup>08, ACC08]. **Survey** [AKZ20, CLB19a, LBBA20, SB16, VP11, Coo08]. **Sybil** [FKW<sup>+</sup>21]. **Syncing** [ZLD<sup>+</sup>21]. **System** [DZS<sup>+</sup>16, MKH22, PKT17]. **Systematic** [CGM14]. **Systems** [AMH<sup>+</sup>21, GZYS16, JCD<sup>+</sup>21, LLW12, LLW<sup>+</sup>23, WCF<sup>+</sup>23, ACC08, CCFF11, KEG<sup>+</sup>08, RS11, RHS09, SZG11].

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