

# A Complete Bibliography of Publications in the *SIAM Journal on Mathematics of Data Science*

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## Title word cross-reference

$2r$  [BNZ21].  $3$  [BKSU22].  $\ell_0$  [DHP22].  $k$  [Tri19].  $t$  [LS19].

-NN [Tri19]. -SNE [LS19].

**Abundance** [WT22]. **Accelerated** [BBG20]. **Activation** [CP20]. **Activations** [Ver20]. **Active** [CZD<sup>+</sup>20]. **Admissibility** [BNS21]. **Adversarial** [LKA<sup>+</sup>21, WYSO20]. **Aggregated** [BSV21]. **Algebraic** [BM20]. **Algorithm** [ANY19, AGL21, ZZST21]. **Algorithmic** [LWL20]. **Algorithms** [AG21, ABR19, CDH<sup>+</sup>21, GPWS21, GCPT20, GH21, JB22, LST19, MSK20, MOPS20, VGWS19]. **Alignment** [LMR<sup>+</sup>20, PWB<sup>+</sup>19, RBO21]. **Analysis** [ANY19, BGJ20, CMS20, CDH<sup>+</sup>21, CZD<sup>+</sup>20, DJRW20, GGWX21, HM21, HLZ20, KPR<sup>+</sup>21, MGHV21, OWXZ21]. **Application** [ML19]. **Applications** [CDH<sup>+</sup>21, DH20, KTM20]. **Approach** [HLZ22]. **Approximate** [Atc21]. **Approximately** [UT19]. **Approximation** [AC20, AD21, BGJ20, BGKP19, DMR21, JS21, PS21, SGL<sup>+</sup>20]. **Approximations** [ABC19]. **Archetypal** [OWXZ21]. **Area** [GPWS21]. **Argument** [TM20]. **armed** [SRR21]. **Arrangements** [BV19]. **Artificial** [BGJ20]. **Assess** [WWZM20]. **Asymptotic** [HLZ20]. **Attack** [DHP22]. **Attacks** [CZD<sup>+</sup>20]. **Automatic** [HLZ22]. **Averaged** [CP20]. **Avoid** [SM20].

**Backtracking** [MOPS20]. **Balancing** [LMM22]. **Bandits** [SRR21]. **Barycenter** [HMZ22]. **Barycenters** [ABA22]. **Based** [AG21, BFM<sup>+</sup>21, LMR<sup>+</sup>20, MRS20, Tri19]. **Bayesian** [HLZ22, MNO20]. **Belief** [WWZM20]. **Benign** [WT22]. **between** [AD21]. **Beyond** [WYSO20]. **Bias** [SRR21]. **Big** [UT19]. **Binary** [KT21, WT22]. **Biological** [CDH<sup>+</sup>21]. **Black** [BGJ20]. **Blind** [CR22, SST20]. **Block** [HPG<sup>+</sup>22, PHLP19, SST20]. **Bootstrap** [ZG21]. **Bounds** [ERK<sup>+</sup>19, MD19, WTD<sup>+</sup>21]. **Bregman** [HPG<sup>+</sup>22, MOPS20]. **Bundle** [ZG21].

**Capacity** [Ver20]. **Case** [CMR<sup>+</sup>21, KT21]. **Categorical** [TLFS21]. **Causality** [TLFS21]. **Centerpoints** [DH20]. **Centralities** [Ben19]. **Centrality** [TCTER21]. **Certificates** [CP20]. **Chain** [Atc21]. **Chains** [BFM<sup>+</sup>21, GCPT20]. **Characteristic** [GPWS21]. **Circular** [AGL21]. **Classification** [DHP22, GPWS21, WT22]. **Clouds** [Tri19]. **Cluster** [BRZ22]. **Clustering** [BDS21, CS19, LM20, LS19, VGWS19]. **Coding** [ASE19, LR19]. **Coefficients** [FT20]. **Cohomology** [CW20]. **Combinations** [JB22]. **Combined** [ZYWL20]. **Communication** [CBD21]. **Communication-Efficient** [CBD21]. **Communications** [GIMA21]. **Communities** [ZLZ20]. **Community** [WWZM20]. **Compact** [HLZ22]. **Comparisons** [LST19]. **Complete** [CG19]. **Completion** [HZ21, OPAB<sup>+</sup>21, TTV19]. **Complexity** [GGWX21, PWB<sup>+</sup>19, RBO21]. **Component** [CMS20, KT21]. **Components** [SBCG<sup>+</sup>19]. **Composite** [SBCG<sup>+</sup>19]. **Compressive** [LM20, ML19]. **Computation** [HMZ22]. **Computational** [LST19]. **Compute** [ABA22]. **Concave** [MOPS20]. **Conditional** [KSS20]. **Conditioned** [BNZ21]. **Connected** [BGKP19]. **Consistency** [Cal19, OWXZ21, SRR21]. **Constrained** [VGWS19]. **Constraint** [AU21, TLSV20]. **Continuous** [MRS20]. **Continuously** [GPWS21]. **Controlled** [CLT20]. **Controls** [GGWX21]. **Convergence** [GGWX21, GH21, LWL20, TM20]. **Convergent** [ZZST21]. **Convex** [AAR20, CS19, MOPS20, SNS21, TLFS21]. **Convex-Concave** [MOPS20]. **Convolutional** [ML19]. **Convolutions** [JB22]. **Cooperative** [GGWX21]. **Core** [TH19]. **Correct** [AG21]. **Correlated** [LMR<sup>+</sup>20]. **Crystallographic** [BE20]. **CUR** [GH22]. **Curse** [BGJ20]. **Curve** [GPWS21]. **Cut** [LM20].

**D** [BKSU22]. **Data** [ACL19a, ACL19b, Bac21, Cal19, CW20, CMR<sup>+</sup>21, DH20, DYM<sup>+</sup>22, ERK<sup>+</sup>19, GPWS21, Kol19, LKA<sup>+</sup>21, LMM22, PS21, Sau22, SBCG<sup>+</sup>19, SGL<sup>+</sup>20, Tri19, UT19, ZQW<sup>+</sup>19]. **Data-Dependent** [ZQW<sup>+</sup>19]. **Decoding** [ERK<sup>+</sup>19]. **Decomposition** [CR22, GH22, KH20, KT21, Sau22]. **Decompositions** [ARB20, MSK20]. **Deconvolution** [CR22, KZLW20]. **Deep** [AD21, AAR20, BGJ20, BGKP19, CLT20, EGT<sup>+</sup>21, GRS<sup>+</sup>20, MD19, PN22]. **Defense** [WYSO20]. **definite** [FADS22]. **Degree** [Cho20]. **Denoising** [Lee21]. **Density** [LMM22]. **Dependent** [CMR<sup>+</sup>21, KPR<sup>+</sup>21, ZQW<sup>+</sup>19]. **Descent** [BHX20, SM20]. **Designs** [LMR<sup>+</sup>20]. **Detectability** [WWZM20]. **Detecting** [ZLZ20]. **Detection** [BRZ22, TH19]. **Determination** [HLZ22]. **Deterministic** [HZ21]. **Dictionary** [CG19]. **Difference** [DMR21, KPR<sup>+</sup>21]. **Differential** [BGJ20]. **Diffuse** [BSV21]. **Diffusion** [CDH<sup>+</sup>21, SBCG<sup>+</sup>19]. **Dimension** [BBG20]. **Dimensional** [GKBD19, LR19, LMM22, PS21]. **Dimensionality** [BGJ20, FADS22, HHV22].

**Dimensions** [Atc21, RBO21]. **Diploid** [BKSU22]. **Directed** [BFM<sup>+</sup>21]. **Discovery** [DYM<sup>+</sup>22]. **Distance** [ANY19, BKSU22, DJRW20]. **Distances** [CDH<sup>+</sup>21, FILN20, LMM22]. **Distributed** [CBD21, DMR21, GIMA21]. **Distribution** [TLFS21]. **Distributions** [HN19]. **Divergence** [GH21]. **Divergences** [BDK<sup>+</sup>21]. **Diversity** [ABR19, FSS21]. **Do** [PN22]. **Domains** [AC20]. **Double** [BHX20]. **Doubly** [LCK21]. **Driven** [CP20]. **Dynamical** [SST20, WTD<sup>+</sup>21]. **Dynamics** [CMR<sup>+</sup>21].

**Effectiveness** [Bac21]. **Efficient** [ABR19, BNZ21, CBD21, NRHvBW21, SNS21, ZZST21]. **Eigenspace** [CBD21]. **Eigenvalues** [TCTER21]. **Eigenvector** [Ben19]. **Embedding** [FADS22]. **Embeddings** [KSS20]. **Empirical** [BGJ20, KTM20]. **End** [HLZ22]. **End-to-End** [HLZ22]. **EnResNet** [WYSO20]. **Ensemble** [WYSO20]. **Ensembles** [LWL20]. **Entries** [BNZ21]. **Entropy** [DDD<sup>+</sup>21]. **Equations** [BGJ20]. **Ergodicity** [FT20]. **Erratum** [ACL19a]. **Error** [BGJ20, Li21, MD19, WTD<sup>+</sup>21]. **Escape** [HLZ20]. **Estimation** [BDK<sup>+</sup>21, CBD21, HN19, WTD<sup>+</sup>21]. **Estimators** [BNS21]. **Euclidean** [BKSU22]. **Evaluation** [GPWS21]. **Evolving** [GPWS21]. **Expanders** [HZ21]. **Extending** [SM20]. **Extensions** [FADS22]. **Extraction** [CDJN21, MGHV21]. **Extrapolation** [Bac21, HPG<sup>+</sup>22]. **Extreme** [JS21, SNS21].

**Factorization** [AG21]. **FANOK** [ARdE21]. **Fast** [AAR20, BSV21, BRZ22, CDH<sup>+</sup>21, ZLRY20]. **Feature** [CDJN21]. **Features** [BHX20, DYM<sup>+</sup>22]. **Few** [BNZ21]. **Feynman** [WYSO20]. **Field** [GGWX21]. **Finite** [Cal19, DMR21, HN19, LR19]. **Finite-Dimensional** [LR19]. **Finite-Time** [DMR21]. **First** [BRZ22]. **Fixed** [Cho20]. **Formalism** [WYSO20]. **Format** [MSK20]. **Framework** [MNO20, ZQW<sup>+</sup>19]. **Fully** [CMR<sup>+</sup>21]. **Function** [AC20, AD21, DMR21]. **Functionals** [Tri19]. **Functions** [BV19, JS21, Lee21, PN22]. **Fused** [ZZST21].

**Games** [MRS20]. **Gap** [AD21]. **Gaps** [Atc21]. **Gaussian** [CR22, DHP22, GKD19, GKBD19, LCK21, WT22]. **General** [AC20]. **Generalization** [BGJ20, HHV22, Li21]. **Generalized** [ABN21, GH22]. **Generative** [HH22, JB22, LKA<sup>+</sup>21]. **Generic** [CLT20]. **Genome** [BKSU22]. **Geometric** [GKBD19]. **Geometry** [BKSU22, KZLW20, LMM22]. **Given** [BBG20]. **Global** [Coo21]. **Gossip** [BBG20]. **Goursat** [SCF<sup>+</sup>21]. **Gradient** [AMFF19, CMR<sup>+</sup>21, MRS20, MOPS20, SM20]. **Gradient-Based** [MRS20]. **Gradients** [KH20]. **Granger** [TLFS21]. **Graph** [ABARS20, ANY19, JB22, LMR<sup>+</sup>20, Tri19, TM20, VGWS19]. **Graph-Based** [LMR<sup>+</sup>20, Tri19]. **Graphical** [ZZST21]. **Graphs** [BSV21, BFM<sup>+</sup>21]. **Greed** [HM21]. **Grids** [MD19]. **Guarantee** [BDS21]. **Guarantees** [ABN21, HMZ22].

**Hard** [ABA22]. **Hausdorff** [ANY19]. **Hawkes** [YLB<sup>+</sup>19]. **Heterogeneous** [CW20, Lee21]. **Heteroskedastic** [LCK21]. **Hidden** [SBCG<sup>+</sup>19]. **Hierarchical** [ABC19]. **High** [Atc21, LMM22, PS21, RBO21]. **High-Dimensional** [LMM22, PS21]. **Higher** [FT20]. **Higher-Order** [FT20]. **Highly** [LMR<sup>+</sup>20]. **Hitting** [BFM<sup>+</sup>21]. **Holistic** [ASE19]. **Homology** [MNO20]. **Hypergraph** [Ben19, HZ21]. **Hyperplane** [BV19].

**Identifiability** [AG21, CG19]. **Identification** [GIMA21, SST20]. **Identifying** [BKSU22]. **Ill** [BNZ21, TTV19].

**Ill-Conditioned** [BNZ21]. **Ill-Posedness** [TTV19]. **Imaging** [HH22]. **Immunization** [TCTER21]. **Impacts** [HN19]. **Implicit** [FSS21, EGT<sup>+</sup>21]. **Importance** [ZLRY20]. **Improved** [HM21]. **Improvement** [LM20]. **Induced** [GCPT20]. **Inertial** [MOPS20]. **Infinite** [Cal19]. **Information** [CW20, ERK<sup>+</sup>19]. **Information-Theoretic** [ERK<sup>+</sup>19]. **Informed** [BLG<sup>+</sup>22]. **Insights** [PN22]. **Instance** [KPR<sup>+</sup>21]. **Instance-Dependent** [KPR<sup>+</sup>21]. **Interface** [BSV21]. **Interpolation** [CLT20, Li21, RDB20]. **Interpretable** [PS21]. **Intrinsic** [FILN20, ZQW<sup>+</sup>19]. **Introduction** [Kol19]. **Inverse** [HH22]. **ISLET** [ZLRY20]. **Iterations** [BBG20]. **Iterative** [BNZ21].

**Jacobi** [BBG20]. **Joining** [JAA<sup>+</sup>21]. **Jointly** [DYM<sup>+</sup>22]. **Journal** [Kol19].

**Kac** [WYSO20]. **Kaczmarz** [HM21]. **Kernel** [FSS21, LCK21, Li21, SCF<sup>+</sup>21]. **Kinds** [PN22]. **Knockoffs** [ARdE21].

**Label** [JB22]. **Labeled** [Cal19]. **Landmarking** [GKD19, GKBD19]. **Langevin** [CMR<sup>+</sup>21]. **Laplacian** [TM20]. **Large** [KH20]. **Large-Scale** [KH20]. **Lasso** [ABN21, ZZST21]. **Latent** [JAA<sup>+</sup>21]. **Layer** [ASE19, GRS<sup>+</sup>20]. **Layer-Parallel** [GRS<sup>+</sup>20]. **Layered** [CP20]. **Learn** [PN22]. **Learning** [BSV21, Cal19, CMS20, CG19, DMR21, EGT<sup>+</sup>21, GIMA21, GGWX21, JB22, JS21, KPR<sup>+</sup>21, LR19, MRS20, ZQW<sup>+</sup>19]. **Least** [ABC19, BNZ21]. **Like** [NRHvBW21]. **Limit** [GCPT20]. **Limits** [Tri19]. **Linear** [ANY19, ARdE21, DMR21, ML19, Ver20]. **Linear-Time** [ANY19]. **Linearly** [ZZST21]. **Lipschitz** [Cal19, CP20]. **Local** [LM20]. **Location** [ZYWL20]. **Logistic** [DH20]. **Loss** [Lee21]. **Low** [ARB20, BNZ21, MSK20, SGL<sup>+</sup>20, UT19, ZLRY20]. **Low-Rank** [ARB20, MSK20, SGL<sup>+</sup>20, ZLRY20].

**Machines** [JS21]. **Majorization** [HPG<sup>+</sup>22]. **Manifold** [BM20, FILN20, HLZ20, LKA<sup>+</sup>21]. **Manifolds** [GKD19]. **Maps** [LR19]. **Markov** [Atc21, BFM<sup>+</sup>21, GCPT20]. **MARL** [GGWX21]. **Matching** [CMS20]. **Mathematical** [BE20]. **Mathematics** [Kol19]. **Matrices** [BNZ21, UT19]. **Matrix** [AG21, BSV21, GH22, Lee21, OPAB<sup>+</sup>21, Sau22, TTV19]. **Matrix-Vector** [BSV21]. **Maximization** [PHLP19]. **Maximum** [DDD<sup>+</sup>21, TM20]. **MCMC** [AMFF19]. **Mean** [GGWX21, KSS20]. **Mean-Field** [GGWX21]. **Means** [SRR21]. **Measure** [ABR19, MGHV21]. **Measuring** [LWL20]. **Memorizing** [ZQW<sup>+</sup>19]. **Memory** [SNS21, Ver20]. **Memory-Efficient** [SNS21]. **Method** [TH19]. **Methods** [BSV21, DDD<sup>+</sup>21, FSS21, OPAB<sup>+</sup>21, ZLZ20]. **Metric** [BFM<sup>+</sup>21, VGWS19]. **Metric-Constrained** [VGWS19]. **Min** [ABN21]. **Minima** [Coo21]. **Minimization** [BGJ20, HPG<sup>+</sup>22]. **Minimum** [DJRW20, Li21]. **Mining** [Sau22]. **Mixing** [Atc21]. **Mixture** [CR22, DHP22, TLFS21]. **Mixtures** [HN19, WT22]. **Model** [CDJN21, DHP22, HH22, JB22]. **Models** [AMFF19, BHX20, CR22, JAA<sup>+</sup>21, LST19, PHLP19, SST20]. **Modularity** [PHLP19, WWZM20]. **Moments** [Cho20]. **Morphometrics** [GKBD19]. **Motzkin** [HM21]. **MR** [LKA<sup>+</sup>21]. **MR-AN** [LKA<sup>+</sup>21]. **Multi** [ASE19, RBO21, SRR21]. **Multi-armed** [SRR21]. **Multi-Layer** [ASE19]. **Multi-Reference** [RBO21]. **Multiclass** [DH20]. **Multicomponent** [CW20]. **Multigraphs** [Cho20]. **Multikernel** [AU21]. **Multilayer** [BSV21, PHLP19, WWZM20]. **Multilinear** [ML19]. **Multimodal** [DYM<sup>+</sup>22, SBCG<sup>+</sup>19]. **Multiple** [ZZST21]. **Multireference** [PWB<sup>+</sup>19]. **Multitemporal** [CDH<sup>+</sup>21].

**Multivariate** [AC20, YLB<sup>+</sup>19].  
**Near** [AC20]. **Near-Optimal** [AC20].  
**Neighbor** [JAA<sup>+</sup>21]. **Neighborhood** [MGHV21]. **Network** [BDK<sup>+</sup>21, CP20, RDB20, YLB<sup>+</sup>19].  
**Networks** [AD21, AAR20, BLG<sup>+</sup>22, BGJ20, BBG20, BGKP19, BRZ22, Coo21, CDH<sup>+</sup>21, CLT20, CZD<sup>+</sup>20, GRS<sup>+</sup>20, HLZ22, LKA<sup>+</sup>21, ML19, MD19, NRHvBW21, PHLP19, PN22, TH19, Ver20, ZLZ20]. **Neural** [AD21, AAR20, BLG<sup>+</sup>22, BGJ20, BDK<sup>+</sup>21, BGKP19, Coo21, CLT20, CZD<sup>+</sup>20, GRS<sup>+</sup>20, HLZ22, NRHvBW21, PN22, Ver20]. **NN** [Tri19]. **Node** [TCTER21]. **Noise** [LCK21].  
**Noisy** [FILN20]. **Nonbacktracking** [TCTER21]. **Nonconvex** [CMR<sup>+</sup>21, MOPS20]. **Nonlinear** [LR19, OPAB<sup>+</sup>21, Sau22, TH19]. **Norm** [Li21]. **Normal** [ZG21]. **Normal-Bundle** [ZG21]. **Normalization** [LCK21]. **NP** [ABA22]. **NP-Hard** [ABA22]. **Numerical** [BGJ20].  
**Observations** [SST20]. **ODEs** [CLT20].  
**Operating** [GPWS21]. **Operators** [CP20, SBCG<sup>+</sup>19]. **Optimal** [AC20, AGL21, ABC19, BGKP19, KPR<sup>+</sup>21, KTM20, ZLRY20, ZYWL20]. **Optimization** [ABN21, BNS21, BRZ22, HLZ20, LST19, MOPS20, SNS21, VGWS19]. **Order** [BRZ22, CR22, FT20]. **Order-3** [CR22].  
**Organisms** [BKSU22]. **Organization** [BKSU22]. **Out-of-Sample** [FADS22].  
**Overcomes** [BGJ20]. **Overcomplete** [CR22]. **Overfitting** [WT22]. **Overlapping** [ZLZ20]. **Overparameterized** [Coo21, HHV22].  
**Pairs** [GH22]. **Parallel** [GRS<sup>+</sup>20].  
**Parameter** [HN19]. **Part** [KT21]. **Partial** [BGJ20]. **Path** [LMM22]. **Pattern** [MGHV21, ZQW<sup>+</sup>19]. **PCA** [TTV19]. **PDE** [SCF<sup>+</sup>21]. **Penalty** [ABN21]. **Performance** [BDS21, DMR21, LST19]. **Periphery** [TH19]. **Persistent** [CW20, MNO20].  
**Phase** [BE20, RBO21, TLSV20]. **Point** [SNS21, ZZST21]. **Points** [BM20, SM20]. **Polynomial** [BV19, BBG20]. **Pooled** [ERK<sup>+</sup>19]. **Posedness** [TTV19]. **Positive** [FADS22, KT21]. **Positive-Semidefinite** [KT21]. **Powering** [ABARS20]. **Practical** [ABN21]. **Practice** [AD21, DDD<sup>+</sup>21].  
**Principle** [TM20]. **Pro** [NRHvBW21]. **Probabilities** [BFM<sup>+</sup>21]. **Problem** [BE20, MGHV21]. **Problems** [HH22, LMR<sup>+</sup>20, ZZST21]. **Procedure** [DJRW20]. **Process** [GKD19, GKBD19]. **Processes** [FT20, YLB<sup>+</sup>19]. **Products** [BSV21]. **Programming** [YTF<sup>+</sup>21].  
**Projection** [NRHvBW21]. **Propagation** [JB22, WWZM20]. **Properties** [GCPT20, JS21]. **Provable** [BLG<sup>+</sup>22]. **Provably** [AG21, LS19]. **Proximal** [LST19, MOPS20, ZZST21]. **Pruning** [AAR20, BLG<sup>+</sup>22].  
**Q** [GGWX21]. **Q-Learning** [GGWX21].  
**Random** [BV19, BM20, Cho20]. **Randomized** [HMZ22, LWL20, MSK20]. **Rank** [ARB20, BNZ21, HLZ22, MSK20, SGL<sup>+</sup>20, UT19, ZLRY20]. **Rankability** [ACL19a, ACL19b]. **Receiver** [GPWS21]. **Recommendations** [ABR19].  
**Reconstruction** [FILN20, JAA<sup>+</sup>21, LR19, YLB<sup>+</sup>19]. **Recovering** [CS19, SBCG<sup>+</sup>19]. **Recovery** [ABN21, BNZ21]. **Rectified** [Ver20]. **Recursive** [GCPT20, GH21]. **Reduction** [FADS22, HHV22]. **Reference** [RBO21]. **Regression** [ARB20, AU21, DH20, LMR<sup>+</sup>20, LWL20, ZLRY20]. **Regressions** [HHV22]. **Regressors** [TM20].  
**Regularization** [FSS21, HHV22, LMR<sup>+</sup>20, WT22, ZQW<sup>+</sup>19]. **Regularized** [KTM20, LKA<sup>+</sup>21, ZZST21]. **Relating** [PHLP19]. **Relative** [ANY19].

**ReLU** [MD19]. **Removal** [TCTER21]. **Rényi** [BDK<sup>+</sup>21]. **Representations** [BDK<sup>+</sup>21]. **Resampling** [HMZ22]. **Residual** [GRS<sup>+</sup>20]. **ResNets** [WYSO20]. **Restriction** [SM20]. **Retrieval** [BE20, TLSV20]. **Reuse** [GPWS21]. **Richardson** [Bac21]. **Ridge** [JS21]. **Riemannian** [FILN20]. **Rigidity** [TTV19]. **Rigorous** [KSS20]. **Risk** [BGJ20, SRR21]. **Robust** [DHP22, LCK21, TTV19]. **Robustness** [ABARS20]. **Role** [MGHV21].

**Saddle** [HLZ20, SM20]. **Sample** [FADS22, PWB<sup>+</sup>19, RBO21, SRR21]. **Sampling** [AC20, ABC19, FSS21, HM21, SNS21]. **Scalable** [YTF<sup>+</sup>21]. **Scale** [KH20]. **Schemes** [LR19]. **Scholes** [BGJ20]. **Science** [Bac21, Kol19]. **Scientific** [LKA<sup>+</sup>21]. **SCOTT** [ZYWL20]. **Selection** [DJRW20]. **Semi** [BSV21, FADS22]. **Semi-definite** [FADS22]. **Semi-supervised** [BSV21]. **Semidefinite** [KT21, YTF<sup>+</sup>21]. **Sensing** [LM20, ML19]. **Sensitivity** [BLG<sup>+</sup>22]. **Sensitivity-Informed** [BLG<sup>+</sup>22]. **Separability** [DH20]. **Sequences** [Cho20]. **Sequential** [ABC19]. **Seriation** [AGL21]. **Series** [TLFS21]. **Sets** [HLZ20]. **Setting** [LWL20]. **Shape** [ZYWL20]. **Shape-Location** [ZYWL20]. **Sharp** [ERK<sup>+</sup>19]. **Short** [KZLW20]. **Short-and-Sparse** [KZLW20]. **SIAM** [Kol19]. **Signals** [Lee21]. **Signature** [SCF<sup>+</sup>21]. **Similarity** [MGHV21]. **SIMODS** [Kol19]. **Simplex** [AG21]. **Simplex-Structured** [AG21]. **Singularity** [HN19]. **Size** [SM20]. **Sketching** [ZLRY20]. **Smooth** [DYM<sup>+</sup>22]. **SNE** [LS19]. **Soft** [ABN21]. **Soft-Min** [ABN21]. **Solution** [BNS21, SCF<sup>+</sup>21]. **Some** [GCPT20]. **Space** [AMFF19]. **Spaces** [ABC19]. **Sparse** [ASE19, ARB20, ABN21, GIMA21, KZLW20, MD19, Sau22, TLSV20]. **Sparsely** [BGKP19]. **Sparsity** [AG21, AU21].

**Sparsity-Based** [AG21]. **Spatiotemporal** [YLB<sup>+</sup>19]. **Spectral** [ABARS20, Atc21, BDS21, DYM<sup>+</sup>22, JAA<sup>+</sup>21, TH19, WTD<sup>+</sup>21, ZLZ20]. **Spheres** [LST19]. **Spline** [PN22]. **Squares** [ABC19, BNZ21]. **State** [AMFF19, CDH<sup>+</sup>21]. **Statistical** [HMZ22, KTM20]. **Step** [SM20]. **Step-Size** [SM20]. **Stochastic** [AMFF19, BNS21, CMR<sup>+</sup>21, DH20, FT20, GCPT20, GH21, KH20, LCK21, PHLP19, SST20]. **Stop** [ZQW<sup>+</sup>19]. **Strategies** [AC20]. **Streaming** [SGL<sup>+</sup>20]. **Streams** [CMR<sup>+</sup>21]. **Strict** [AGL21, HLZ20, SM20]. **Structural** [CZD<sup>+</sup>20]. **Structure** [WWZM20]. **Structured** [AG21, SNS21]. **Structures** [CP20, HN19]. **Subspace** [CZD<sup>+</sup>20]. **supervised** [BSV21]. **Support** [WT22]. **Symmetry** [KZLW20]. **Synthesis** [DDD<sup>+</sup>21]. **System** [ABR19]. **System-Wide** [ABR19].

**Tail** [DJRW20]. **Targeted** [TCTER21]. **Temporal** [DMR21, KPR<sup>+</sup>21]. **Temporal-Difference** [DMR21]. **Tensor** [ARB20, CR22, HZ21, HLZ22, KH20, MSK20, OPAB<sup>+</sup>21, SGL<sup>+</sup>20, ZLRY20]. **Tensors** [BV19]. **Test** [GPWS21]. **Texture** [DDD<sup>+</sup>21]. **Theorems** [DH20]. **Theoretic** [ERK<sup>+</sup>19]. **Theory** [AD21, BE20, DDD<sup>+</sup>21, KTM20, KSS20, PN22]. **Three** [Ben19, GKBD19]. **Three-Dimensional** [GKBD19]. **Threshold** [BV19, DJRW20, Ver20]. **Time** [ANY19, ARdE21, DMR21, TLFS21]. **Times** [Atc21]. **Tracking** [ZYWL20]. **Train** [NRHvBW21]. **Training** [GRS<sup>+</sup>20, HLZ22, NRHvBW21]. **Transfer** [CMS20]. **Transition** [RBO21]. **Transport** [CDJN21, KTM20, ZYWL20]. **Tree** [JAA<sup>+</sup>21]. **Trees** [CS19]. **Trimmed** [ABN21]. **Tucker** [ARB20, MSK20, SGL<sup>+</sup>20]. **Tverberg** [DH20]. **Two** [BHX20].

**Uniform** [Cho20, TM20]. **Unifying** [JB22].  
**Unit** [Ver20]. **Universal** [CLT20, CZD<sup>+</sup>20].  
**Unlabeled** [Cal19]. **Using** [ARB20, BSV21, BBG20, GPWS21, GH21, MD19, ZLZ20].

**Var** [NRHvBW21]. **Variable** [NRHvBW21].  
**Variational** [BDK<sup>+</sup>21, HH22, PN22, Tri19].  
**Vector** [BSV21]. **Vectors** [WT22]. **via**  
 [BKSU22, HLZ22, SNS21, WYSO20, ZLRY20].

**Wasserstein** [ABA22, GH21, HMZ22]. **Way**  
 [ASE19]. **Weak** [BHX20]. **Weighted** [ABC19, Lee21, Li21]. **Wide** [ABR19].  
**Works** [HM21].

**X** [TCTER21]. **X-Centrality** [TCTER21].

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