

# 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].  $k$   
[SGN22, Tri19].  $Q$  [CCM23, Rii23].  $t$  [LS19].

**-Connectivity** [Rii23]. **-Learning**  
[CCM23]. **-NN** [Tri19]. **-SNE** [LS19].

**-Variance** [SGN22].

**19** [HNP22].

**Abundance** [WT22]. **Accelerated**  
[BBG20, CC22, DL22, LLP23]. **Activation**  
[CP20]. **Activations** [Ver20]. **Active**  
[CZD<sup>+</sup>20, MC23]. **Acyclic** [LLM22].  
**Adaptive** [HS22, LLRS23]. **Adaptivity**  
[HLRJ22]. **Admissibility** [BNS21].

**ADMM** [RSC<sup>+</sup>22]. **Adversarial**  
[BGS23, FWDJ23, GNZ23, JC23, LKA<sup>+</sup>21,  
MS23, WYSO20]. **Aggregated** [BSV21].  
**Aggregation** [MV22]. **Agony** [HET23].  
**Algebraic** [BM20]. **Algorithm** [ANY19,  
AGL21, CCNP23, FP23, ZZST21, ZN22].  
**Algorithmic** [JCD23, LWL20]. **Algorithms**  
[AG21, ABR19, BGS23, CDH<sup>+</sup>21, GPWS21,  
GCPT20, GH21, JB22, LLRS23, LST19,  
MWW22, MSK20, MOPS20, VGWS19,  
XSC22]. **Alignment**  
[BE24, LMR<sup>+</sup>20, PWB<sup>+</sup>19, RBO21]. **along**  
[LL24]. **Alphabets** [BM22]. **Alternating**  
[LS23]. **Analysis**  
[ANY19, Bac24, BBH23, BGJ20, BH22,  
CMS20, CDH<sup>+</sup>21, CZD<sup>+</sup>20, DR24, DJRW20,  
GGWX21, HM21, HNP22, HLZ20, KPR<sup>+</sup>21,  
MGHV21, MM23, OWXZ21, Rii23].

**Anomalies** [HNP22]. **AO** [RSC<sup>+</sup>22]. **AO-ADMM** [RSC<sup>+</sup>22]. **Application** [FP23, ML19]. **Applications** [BBH23, CDH<sup>+</sup>21, DH20, HFL<sup>+</sup>22, KTM20, NN24, Rii23]. **Applied** [CC22]. **Approach** [BSV22, HLZ22, RSC<sup>+</sup>22]. **Approximate** [Atc21, BK23]. **Approximately** [UT19]. **Approximating** [GNZ23]. **Approximation** [AC20, AD21, AdE22, BGJ20, BGKP19, CLM<sup>+</sup>22, DMR21, JS21, LLP23, NGBU23, PS21, SGL<sup>+</sup>20]. **Approximations** [ABC19]. **Archetypal** [OWXZ21]. **Area** [GPWS21]. **Argument** [TM20]. **armed** [SRR21]. **Arrangements** [BV19]. **Artificial** [BGJ20]. **Assess** [WWZM20]. **Asymmetric** [JCD23]. **Asymptotic** [HLZ20]. **Asymptotics** [LPJ<sup>+</sup>24]. **Attack** [DHP22]. **Attacks** [CZD<sup>+</sup>20]. **Autodifferentiable** [CSAW22]. **Automatic** [HLZ22]. **Averaged** [CP20]. **Avoid** [SM20].

**Backtracking** [MOPS20]. **Balance** [TL24]. **Balancing** [LMM22]. **Bandits** [SRR21, Zha22]. **Barycenter** [CC22, HMZ22]. **Barycenters** [ABA22, FP23]. **Based** [AG21, BFM<sup>+</sup>21, HFL<sup>+</sup>22, HGL24, LMR<sup>+</sup>20, MRS20, MC23, Tri19]. **Bayesian** [HLZ22, MNO20]. **Belief** [WWZM20]. **Benefit** [XSC22]. **Benign** [WT22]. **Between** [GB23, AD21, DB22]. **Beyond** [WYSO20]. **Bi** [HHvT22]. **Bi-Invariant** [HHvT22]. **Bias** [SRR21]. **Big** [UT19]. **Binary** [KT21, WT22]. **Biological** [CDH<sup>+</sup>21]. **Biwhitening** [LZK22]. **Black** [BGJ20]. **Blind** [CR22, SST20]. **Block** [HPG<sup>+</sup>22, PHLP19, SST20]. **Bootstrap** [ZG21]. **Bounds** [AdE22, ERK<sup>+</sup>19, MD19, WTD<sup>+</sup>21]. **Bregman** [CC22, HPG<sup>+</sup>22, MOPS20]. **Bundle** [ZG21]. **Butterfly** [ZRG23].

**Can** [DLB24]. **Capacity** [Ver20]. **Case** [CMR<sup>+</sup>21, DLB24, HNP22, KT21]. **Categorical** [BH22, TLFS21]. **Causal** [CDS23]. **Causality** [TLFS21]. **Centerpoints** [DH20]. **Central** [LL24, dBSLNW23]. **Centralities** [Ben19]. **Centrality** [TCTER21]. **Certificates** [CP20]. **Chain** [Atc21]. **Chains** [BFM<sup>+</sup>21, GCPT20]. **Change** [YPWR24]. **Characteristic** [GPWS21]. **Circular** [AGL21, CCNP23]. **Classification** [DHP22, GPWS21, WT22]. **Client** [ZBLR24]. **Client-Variance** [ZBLR24]. **Closing** [LPH<sup>+</sup>23]. **Clouds** [Tri19]. **Cluster** [ACQ23, BRZ22]. **Clustered** [SGN22]. **Clustering** [BDS21, CS19, CEH23, DM22, LM20, LS19, VGWS19]. **Coding** [ASE19, LR19]. **Coefficients** [FT20]. **Cohomology** [CW20]. **Collision** [NN24]. **Combinations** [JB22]. **Combined** [ZYWL20]. **Common** [DLB24]. **Communication** [CBD21, LLC22]. **Communication-Efficient** [CBD21, LLC22]. **Communications** [GIMA21]. **Communities** [ZLZ20]. **Community** [FKZ22, WWZM20]. **Compact** [HLZ22]. **Comparisons** [LST19]. **Complete** [CG19]. **Completion** [HZ21, OPAB<sup>+</sup>21, TTV19]. **Complex** [CLM<sup>+</sup>22, TL24]. **Complex-Valued** [CLM<sup>+</sup>22]. **Complexity** [ACU23, BE24, BH22, GGWX21, PWB<sup>+</sup>19, RBO21]. **Component** [CMS20, KT21]. **Components** [SBCG<sup>+</sup>19]. **Composite** [SBCG<sup>+</sup>19]. **Compressed** [BBH23, ZBLR24]. **Compressive** [LM20, ML19]. **Computation** [HMZ22, LLC22, LMXZ22]. **Computation-Optimal** [LLC22]. **Computational** [LST19]. **Compute** [ABA22]. **Concave** [MOPS20]. **Conditional** [KSS20]. **Conditioned** [BNZ21]. **Conditions** [JC23]. **Connected** [BGKP19]. **Connection** [DR24]. **Connectivity** [Rii23]. **Considerations** [ADN<sup>+</sup>23]. **Consistency** [Cal19, OWXZ21, SRR21]. **Constrained**

[BTd22, VGWS19]. **Constraining** [RSC<sup>+</sup>22]. **Constraint** [AU21, TLSV20]. **Constraints** [BLLR22]. **Construction** [BLLR22]. **Contextual** [Zha22]. **Continuous** [MRS20]. **Continuously** [GPWS21]. **Controlled** [BK23, CLT20]. **Controls** [GGWX21]. **Convergence** [BTd22, BCP22, GGWX21, GH21, LS23, LWL20, TM20, dBSLW23]. **Convergent** [ZZST21]. **Convex** [AAR20, CS19, MOPS20, SNS21, TMTS23, TLFS21]. **Convex-Concave** [MOPS20]. **Convolutional** [HH23, LPH<sup>+</sup>23, ML19]. **Convolutions** [JB22]. **Cooperative** [GGWX21]. **Coordinate** [ADN<sup>+</sup>23]. **Core** [TH23, TH19]. **Core-Periphery** [TH23]. **Correct** [AG21]. **Correlated** [LMR<sup>+</sup>20]. **Costs** [dBSLW23]. **Count** [LZK22]. **COVID** [HNP22]. **COVID-19** [HNP22]. **Cryo** [BE24]. **Cryo-Electron** [BE24]. **Crystallographic** [BE20]. **CUR** [GH22]. **Curse** [BGJ20]. **Curve** [GPWS21]. **Cut** [LM20].

**D** [BKSU22]. **Data** [ACL19a, ACL19b, Bac21, BSV22, Cal19, CW20, CMR<sup>+</sup>21, DH20, DYM<sup>+</sup>22, ERK<sup>+</sup>19, GPWS21, HNP22, HYFB23, Kol19, LKA<sup>+</sup>21, LMM22, PS21, Sau22, SBCG<sup>+</sup>19, SGL<sup>+</sup>20, TMTS23, Tri19, UT19, VFMS23, ZQW<sup>+</sup>19]. **Data-Dependent** [ZQW<sup>+</sup>19]. **Data-Driven** [TMTS23]. **Deadly** [CCM23]. **Decentralized** [LLC22]. **Decoding** [ERK<sup>+</sup>19]. **Decomposition** [CR22, DR24, GH22, KH20, KT21, Sau22, ZK23]. **Decompositions** [ARB20, MSK20]. **Deconvolution** [CR22, KZLW20]. **Deep** [AD21, AAR20, BFT23, BGJ20, BGK22, BGKP19, CFLL23, CLT20, EGT<sup>+</sup>21, GRS<sup>+</sup>20, LPH<sup>+</sup>23, MD19, NGBU23, PN22]. **Defense** [WYSO20]. **definite** [FADS22]. **Degree** [Cho20]. **Denoising** [Lee21]. **Density** [LC23, LMM22]. **Dependent** [CMR<sup>+</sup>21, KPR<sup>+</sup>21, ZQW<sup>+</sup>19]. **Depths** [MFM22]. **Descent** [Bac24, BHX20, DB22, GTM<sup>+</sup>24, SM20, TMTS23]. **Design** [BM22, JN24]. **Designs** [LMR<sup>+</sup>20]. **DESTRESS** [LLC22]. **Detectability** [WWZM20]. **Detecting** [ZLZ20]. **Detection** [BRZ22, FKZ22, TH19, TH23]. **Determinantal** [FSS22]. **Determination** [HLZ22]. **Deterministic** [HZ21]. **Dictionary** [CG19]. **Difference** [DMR21, KPR<sup>+</sup>21]. **Differential** [BGJ20, MFM22]. **Differentially** [BSV22]. **Differentiation** [BCP22]. **Diffuse** [BSV21]. **Diffusion** [BK23, CDH<sup>+</sup>21, HTR<sup>+</sup>23, SBCG<sup>+</sup>19]. **Dimension** [BLLR22, BBG20, HS22]. **Dimensional** [Bac24, FP23, GKBD19, HYFB23, LR19, LMM22, PS21, VFMS23]. **Dimensionality** [BGJ20, FADS22, HHV22]. **Dimensions** [Atc21, BBP23, RBO21]. **Diploid** [BKSU22]. **Directed** [BFM<sup>+</sup>21, LLM22, Rii23]. **Discovery** [DYM<sup>+</sup>22]. **Discrepancy** [KEB<sup>+</sup>24]. **Discrete** [BFT23]. **Discretizations** [BGK22]. **Dissimilarity** [HHvT22]. **Distance** [ANY19, BKSU22, DJRW20]. **Distances** [CDH<sup>+</sup>21, FILN20, LMM22]. **Distributed** [CBD21, DMR21, GIMA21]. **Distribution** [MV22, TLFS21]. **Distributional** [BH22]. **Distributions** [CLLD22, GNZ23, HHvT22, HN19]. **Divergence** [GH21]. **Divergences** [BDK<sup>+</sup>21]. **Diversity** [ABR19, FSS21]. **Do** [PN22]. **Domains** [AC20]. **Double** [Bac24, BHX20, DB22]. **Doubly** [LCK21, LC23]. **Driven** [CP20, TMTS23]. **Dual** [CC22]. **Dynamical** [GTM<sup>+</sup>24, SST20, WTD<sup>+</sup>21]. **Dynamics** [CMR<sup>+</sup>21, LMX22].

**Effectiveness** [Bac21]. **Efficiency** [YJWS24]. **Efficient** [ABR19, BGS23, BNZ21, CBD21, LLC22, NRHvBW21, SNS21, ZZST21, ZRG23]. **Eigenspace** [CBD21]. **Eigenvalues**

[TCTER21]. **Eigenvector** [Ben19]. **Electron** [BE24]. **Embedding** [FADS22]. **Embeddings** [KSS20]. **Empirical** [BGJ20, KTM20]. **End** [HLZ22]. **End-to-End** [HLZ22]. **EnResNet** [WYSO20]. **Ensemble** [CSAW22, WYSO20]. **Ensembles** [LWL20]. **Entries** [BNZ21]. **Entropic** [Ker23, dBSLW23]. **Entropy** [DDD+21]. **Equations** [BGJ20, MFM22]. **Ergodicity** [FT20]. **Erratum** [ACL19a]. **Error** [BGJ20, Li21, MD19, WTD+21, XCRW22]. **Errors** [DB22]. **Escape** [HLZ20]. **Estimates** [DMS22, JN24, LLM22]. **Estimating** [HET23]. **Estimation** [BM22, BDK+21, CBD21, HN19, VMB+24, WTD+21, ZK23]. **Estimators** [BNS21]. **ETA** [YJWS24]. **Euclidean** [BKSU22]. **Evaluation** [GPWS21, LLP23]. **Evolving** [GPWS21]. **Exact** [LMXZ22]. **Expanders** [HZ21]. **Exponential** [CLLD22]. **Exponential-Wrapped** [CLLD22]. **Extending** [SM20]. **Extensions** [FADS22]. **Extensive** [VFMS23]. **Extraction** [CDJN21, MGHV21]. **Extrapolation** [Bac21, BTd21, HPG+22]. **Extreme** [JS21, SNS21].

**Factorization** [AG21, JCD23]. **Factorizations** [ZRG23]. **FANOK** [ARdE21]. **Fast** [AAR20, BSV21, BRZ22, CDH+21, LS23, ZLRY20, dBSLW23]. **Faster** [ZBLR24]. **Feature** [CDJN21]. **Features** [BHX20, DYM+22]. **Federated** [ZBLR24]. **Feel** [Zha22]. **Feel-Good** [Zha22]. **Few** [BNZ21]. **Feynman** [WYSO20]. **Field** [GTM+24, GGWX21]. **Filters** [CSAW22]. **Finite** [BM22, Cal19, DMR21, HN19, LR19, LLC22]. **Finite-Dimensional** [LR19]. **Finite-Sum** [LLC22]. **Finite-Time** [DMR21]. **First** [BRZ22]. **Fixed** [BBP23, Cho20]. **Flow** [ACQ23]. **Forests** [LPH+23]. **Formalism** [WYSO20]. **Format** [MSK20]. **Formulation** [DL22, FP23]. **Framework** [MNO20, ZQW+19]. **Free** [JCD23, MNW24]. **Frequency** [LMXZ22]. **Fully** [CMR+21]. **Function** [AC20, AD21, DMR21, HET23, LLP23]. **Functionals** [Tri19]. **Functions** [BV19, JS21, Lee21, LL24, NGBU23, PN22]. **Fused** [ZZST21].

**Games** [MRS20, YAY23]. **GAN** [BSCB22]. **Gap** [AD21, LPH+23]. **Gaps** [Atc21]. **GAT** [FWDJ23]. **GAT-GMM** [FWDJ23]. **Gaussian** [BLLR22, CR22, DHP22, FWDJ23, GKD19, GKBD19, KSAY24, LCK21, VFMS23, WT22]. **GenCol** [FP23]. **General** [AC20, EY22, FP23]. **Generalization** [BGJ20, DB22, HHV22, Li21, LMXZ22, XCRW22]. **Generalize** [OT22]. **Generalized** [ABN21, GH22, PTG+23]. **Generated** [HH23]. **Generating** [BSV22]. **Generative** [FWDJ23, GNZ23, HH22, JB22, JC23, LKA+21]. **Generic** [CLT20]. **Genome** [BKSU22]. **Geometric** [GKBD19, PTG+23]. **Geometry** [BKSU22, HTR+23, KZLW20, LC23, LMM22, OT22]. **Given** [BBG20]. **Global** [BGS23, Co021]. **GMM** [FWDJ23]. **GNMR** [ZN22]. **Good** [Zha22]. **Gossip** [BBG20]. **Goursat** [SCF+21]. **Gradient** [AMFF19, ACQ23, CMR+21, GTM+24, HLRJ22, LLRS23, MRS20, MOPS20, SM20]. **Gradient-Based** [MRS20]. **Gradients** [KH20]. **Granger** [TLFS21]. **Graph** [ABARS20, ANY19, JB22, KSAY24, LMR+20, LLM22, MC23, PTG+23, Tri19, TM20, VGWS19]. **Graph-Based** [LMR+20, MC23, Tri19]. **Graphical** [ZZST21]. **Graphs** [BSV21, BFM+21, CDS23, Ker23, Ri23]. **Greed** [HM21]. **Grids** [MD19]. **Gromov** [HGL24]. **Group** [SV23]. **Group-Invariant** [SV23]. **Groups** [HHvT22]. **Guarantee** [BDS21]. **Guarantees** [ABN21, HMZ22, ZZS23].

**Hamilton** [MFM22]. **Hard** [ABA22]. **Hausdorff** [ANY19]. **Hawkes** [YLB<sup>+</sup>19]. **Hessian** [ACU23]. **Hessian-Schatten** [ACU23]. **Heterogeneous** [CW20, Lee21]. **Heteroscedastic** [HYFB23]. **Heteroskedastic** [LCK21]. **Hidden** [SBCG<sup>+</sup>19]. **Hierarchical** [ABC19]. **High** [Atc21, Bac24, FP23, HYFB23, LMM22, PS21, RBO21]. **High-Dimensional** [Bac24, FP23, HYFB23, LMM22, PS21]. **Higher** [FT20]. **Higher-Order** [FT20]. **Highly** [LMR<sup>+</sup>20]. **Hitting** [BFM<sup>+</sup>21]. **Holistic** [ASE19]. **Homology** [HNP22, MNO20]. **Hypergraph** [Ben19, HZ21]. **Hypergraphs** [CEH23, TH23]. **Hyperplane** [BV19, DMS22].

**Identifiability** [AG21, CG19]. **Identification** [EH23, GIMA21, SST20, ZRG23]. **Identifying** [BKSU22]. **Ill** [BNZ21, TTV19]. **Ill-Conditioned** [BNZ21]. **Ill-Posedness** [TTV19]. **Image** [HHK23]. **Images** [HH23]. **Imaging** [HH22]. **Immunization** [TCTER21]. **Impacts** [HN19]. **Implementation** [ADN<sup>+</sup>23]. **Implications** [MWW22]. **Implicit** [FSS21, EGT<sup>+</sup>21, ZK23]. **Implicitly** [FSS22]. **Importance** [ZLRY20]. **Improved** [HM21, dBSLNW23]. **Improvement** [LM20]. **Inconsistency** [BBP23]. **Independent** [YAY23]. **Induced** [GCPT20]. **Inequality** [BLLR22]. **Inertial** [MOPS20]. **Inference** [HGL24, LC23]. **Infinite** [Cal19]. **Information** [CW20, ERK<sup>+</sup>19]. **Information-Theoretic** [ERK<sup>+</sup>19]. **Informed** [BLG<sup>+</sup>22]. **Inhomogeneous** [HTR<sup>+</sup>23]. **Initialized** [LS23]. **Input** [TMTS23]. **Input-Convex** [TMTS23]. **Insights** [PN22]. **Instance** [KPR<sup>+</sup>21, LLP23]. **Instance-Dependent** [KPR<sup>+</sup>21]. **Instance-Optimal** [LLP23]. **Interface** [BSV21]. **Interpolation** [CLT20, Li21, RDB20, XCRW22, XSC22]. **Interpretable** [PS21]. **Intrinsic** [FILN20, HS22, ZQW<sup>+</sup>19]. **Introduction** [Kol19]. **Intuition** [DLB24]. **Invariant** [ADN<sup>+</sup>23, HHvT22, SV23]. **Inverse** [HH22, HFL<sup>+</sup>22, JN24]. **ISLET** [ZLRY20]. **Isometric** [HHK23]. **Iterations** [BBG20]. **Iterative** [BNZ21].

**Jacobi** [BBG20, MFM22]. **Joining** [JAA<sup>+</sup>21]. **Joint** [FKZ22]. **Jointly** [DYM<sup>+</sup>22]. **Journal** [Kol19].

**Kac** [WYSO20]. **Kaczmarz** [HM21]. **Kalman** [CSAW22]. **Kernel** [BBP23, FSS21, HS22, LCK21, Li21, SCF<sup>+</sup>21, VMB<sup>+</sup>24]. **Kernelized** [KEB<sup>+</sup>24]. **Kernels** [MV22]. **Kinds** [PN22]. **Knockoffs** [ARdE21].

**Label** [JB22]. **Labeled** [Cal19]. **Landmarking** [GKD19, GKBD19]. **Langevin** [CMR<sup>+</sup>21, LLRS23]. **Laplacian** [MC23, TM20]. **Laplacians** [MWW22, MM23]. **Large** [KH20]. **Large-Scale** [KH20]. **Lasso** [ABN21, ZZST21, BBH23]. **Latent** [JAA<sup>+</sup>21]. **Layer** [ASE19, BGS23, GRS<sup>+</sup>20]. **Layer-Parallel** [GRS<sup>+</sup>20]. **Layered** [CP20]. **Learn** [PN22]. **Learning** [ACU23, BK23, BSV21, BH22, Cal19, CDS23, CCM23, CMS20, CG19, DB22, DLB24, DMR21, EGT<sup>+</sup>21, GIMA21, GGWX21, HHK23, JB22, JS21, KPR<sup>+</sup>21, LR19, LL24, LLRS23, MRS20, MC23, NN24, SV23, YAY23, Zha22, ZBLR24, ZQW<sup>+</sup>19]. **Least** [ABC19, BNZ21, LS23]. **Lie** [HHvT22]. **Like** [NRHvBW21]. **Limit** [GCPT20, dBSLNW23]. **Limits** [Tri19]. **Line** [ZN22]. **Linear** [ANY19, ARdE21, Bac24, BM22, DB22, DLB24, DMR21, GB23, JN24, LLP23, LMXZ22, ML19, MNW24, Ver20]. **Linear-Time** [ANY19]. **Linearly** [ZZST21].

**Lipschitz** [Cal19, CP20, MS23, NGBU23]. **Local** [CDS23, DM22, LM20, MV22, MS23]. **Localization** [YPWR24]. **Location** [ZYWL20]. **Logistic** [DH20]. **Lose** [DLB24]. **Loss** [GB23, Lee21]. **Low** [ARB20, BNZ21, MSK20, SGL<sup>+</sup>20, UT19, ZLRY20, ZN22]. **Low-Rank** [ARB20, MSK20, SGL<sup>+</sup>20, ZLRY20].

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