

linhui Xu

Homepage

Research category: A) Theory, B) AI/ML

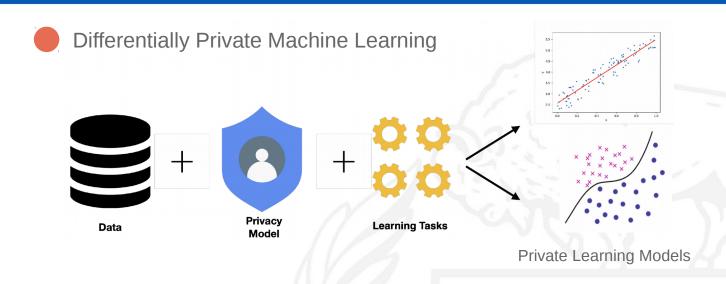
Research area: Algorithms, Computational Geometry, Machine Learning, Differential Privacy, and Geometric Computing in Biomedicine, Networking, and Deep Learning

Research applications: Biomedical Data Analysis, Privacy Preserving, Trustworthy Al

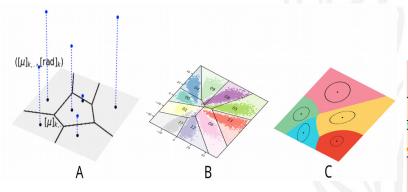
Selected research projects:

NSF: Novel Geometric Algorithms for Learning from Big Biomedical Data

CRG: Modern Privacy-preserving Learning Algorithms for Biomedical Data

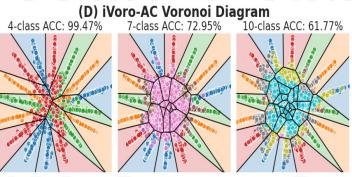


Geometric View of Deep Learning



Deep Neural Networks form Power Diagrams in feature space

Geometry Enhanced Deep Learning Models



Geometric techniques significantly improve continuous deep learning models