Lijia Zhou

✉ zlj@uchicago.edu • 🌐 zhoulijia.github.io

Address: 5747 South Ellis Avenue – Chicago, IL 60637

Education

University of Chicago

Ph.D. student in Statistics, Advisor: Prof. Nathan Srebro **2018 – Present**
B.S. in Applied Mathematics
B.S. in Statistics **2015 – 2018**

Publications

Uniform Convergence of Interpolators: Gaussian Width, Norm Bounds and Benign Overfitting
with Frederic Koehler, Danica J. Sutherland and Nathan Srebro
- published at *Conference on Neural Information Processing Systems (NeurIPS) 2021*
- Oral (less than 1% of 9122 submissions)

On Uniform Convergence and Low-Norm Interpolation Learning
with Danica J. Sutherland and Nathan Srebro
- published at *Conference on Neural Information Processing Systems (NeurIPS) 2020*
- Spotlight (top 2.9% of 9454 submissions)

Statistical Consulting

Participated in statistical consulting program that offers advice on data analysis to researchers from other departments within the university:
- *Higher-order-thinking talk (HOTT) in parent-child interaction*, Fall 2019
- *Medication discrepancies and blood pressure control in Botswana hypertension clinics*, Winter 2019

Selected Coursework

Machine learning:
- Natural Language Processing, Deep Generative Models, Statistical and Computational Learning Theory, Spectral Methods and Non-convex Optimization, Causal Inference with Machine Learning

Statistical inference:
- Generalized Linear Model, Time Series Analysis, High Dimensional Statistics, Robust and Semiparameteric Statistics, Nonparameteric Statistics, Multiple testing and Modern Inference, Measure Theoretical Probability, Topic in Random Matrix theory

Teaching

Teaching Assistant:
- *Introduction to Random Matrices* (Winter 2021)
- *Statistical Theory and Methods* (Autumn 2020, Autumn 2019, Winter 2019 & Autumn 2021)
- *Convex Optimization* (Winter 2020)
- *Optimization* (Spring 2019)

Skills

- Programming: Python (PyTorch, scikit-learn), R, MATLAB, SQL, LaTeX
- Language: English, Mandarin, Cantonese