Likun Zhang

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EDUCATION

Renmin University of China (RUC), Beijing, China 08/2021 - Present
PhD Candidate in Statistics (4th Year)
Sun Yat-sen University (SYSU), Guangdong, China 08/2017 - 06/2021
B.S. Statistics, **GPA: 4.00/4.00, Ranking: 1/79**
2018 National Scholarship for academic excellence and whole person development (Ranking: 1/231)
University of California, Berkeley, CA, United States 08/2019 - 12/2019
Statistics Exchange Program

- Courses: Introduction to Topology& Analysis **(graduate course)** (A), Linear Regression: Theory and Application (A), Partial Differential Equations

PROJECTS

Efficient interaction analysis in randomized controlled trials 11/2023 - Present
Institute of Statistics and Big Data, RUC, Advisor: Associate Professor Wei Ma

- Propose a new target parameter for interaction effect and develop semiparametric efficient analysis procedures for its estimation and inference, accommodating a wide range of covariate-adaptive randomization methods, including simple randomization, stratified randomization, and minimization

Interaction tests with covariate-adaptive randomization 12/2021 - Present
Institute of Statistics and Big Data, RUC, Advisor: Associate Professor Wei Ma

- Explore treatment-covariate interaction tests involving covariate-adaptive randomization and introduce a novel class of stratified-adjusted interaction tests
- Zhang, L. and Ma, W. (2025), Interaction Tests With Covariate-Adaptive Randomization. Stat Anal Data Min: The ASA Data Sci Journal, 18: e70003. https://doi.org/10.1002/sam.70003

Quantitative Investment Research with Machine Learning 02/2019 - 12/2019
Southern China Center For Statistical Science, SYSU, Advisor: Prof. Xueqin Wang, Dr. Guang Yang

- Simulated stock price prediction strategies of organizations like IEEE with our C# system
- Optimized trading results with methods like the support vector machine (SVM), vortex indicator, TD sequence, Baum-Welch algorithm, Gaussian mixture distribution and hidden Markov models

COMPETITION

Designing the 4-layer Insulation Suit with the Multi-layer Cylinder Heat Conduction Model 09/2018
Second Prize, China Undergraduate Mathematical Contest in Modeling, CSIAM

- Designed a sufficient and capable four-layer insulation suit and analyze the variation of the temperature of the human body

TECHNICAL AND LANGUAGE SKILLS

R, C#, C++, Python, MATLAB, Java