

Jiawei Ge

BASIC INFORMATION

Address: 222-Sherrerd Hall, Charlton Street, Princeton, NJ 08544

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Homepage: <https://jiaweige0416.github.io/>

Google Scholar: <https://scholar.google.com/citations?user=480drckAAAAJ&hl=en>

EDUCATION

School of Mathematics, Fudan University, China

Sep 2017 - Jul 2021

B.S. in Applied Mathematics (graduated with high distinction)

School of Mathematics, NC State University, United States

Jan 2020 - May 2020

Exchange student for one semester

Operations Research and Financial Engineering, Princeton University, United States

Sep 2021 - Present

Ph.D. in Operations Research and Financial Engineering

Advisors: Jianqing Fan and Chi Jin

RESEARCH AND PUBLICATIONS

- On the Provable Advantage of Unsupervised Pretraining
Jiawei Ge*, Shange Tang*, Jianqing Fan, Chi Jin (*=equal contribution)
ICLR 2024 Spotlight paper
- UTOPIA: Universally Trainable Optimal Prediction Intervals Aggregation
Jianqing Fan, **Jiawei Ge**, Debarghya Mukherjee (alphabetical order)
JOE under review
- Maximum Likelihood Estimation is All You Need for Well-Specified Covariate Shift
Jiawei Ge*, Shange Tang*, Jianqing Fan, Cong Ma, Chi Jin (*=equal contribution)
ICLR 2024
- Optimal Aggregation of Prediction Intervals under Unsupervised Domain Shift
Jiawei Ge*, Debarghya Mukherjee*, Jianqing Fan (*=equal contribution)
NeurIPS 2024
- Securing Equal Share: A Principled Approach for Learning Multiplayer Symmetric Games
Jiawei Ge*, Yuanhao Wang*, Wenzhe Li, Chi Jin (*=equal contribution)
ICML 2025
- Covariates-Adjusted Mixed-Membership Estimation: A Novel Network Model with Optimal Guarantees
Jianqing Fan, **Jiawei Ge**, Jikai Hou (alphabetical order)
AOS under review
- MATH-Perturb: Benchmarking LLMs' Math Reasoning Abilities against Hard Perturbations
Kaixuan Huang, Jiacheng Guo, Zihao Li, Xiang Ji, **Jiawei Ge**, Wenzhe Li, Yingqing Guo, Tianle Cai, Hui Yuan, Runzhe Wang, Yue Wu, Ming Yin, Shange Tang, Yangsibo Huang, Chi Jin, Xinyun Chen, Chiyuan Zhang, Mengdi Wang
ICML 2025
- Principled Out-of-Distribution Generalization via Simplicity
Jiawei Ge, Amanda R. Wang, Shange Tang, Chi Jin
NeurIPS 2025 under review

- Frontier LLMs Still Struggle with Simple Reasoning Tasks
Alan Malek*, **Jiawei Ge***, Nevena Lazic, Chi Jin, András György, Csaba Szepesvari (*=equal contribution)
NeurIPS 2025 under review

TEACHING EXPERIENCES

Fundamentals of Statistics Sep 2022 – Jan 2023

Position: Assistant-In-Instruction

Instructors: Sohom Bhattacharya and Debarghya Mukherjee

Optimization Feb 2023 – May 2023

Position: Assistant-In-Instruction

Instructors: Bartolomeo Stellato

Theoretical Machine Learning Sep 2023 – Jan 2024

Position: Assistant-In-Instruction

Instructors: Chi Jin

Fundamentals of Statistics Feb 2024 – May 2025

Position: Assistant-In-Instruction

Instructors: Daniel Rigobon

AWARDS

- National Scholarship (**most prestigious scholarship for Chinese undergraduates**) 2018
- Scholarship for Excellent Academic Performances 2018&2019
- Outstanding Student 2018&2019&2020
- SEAS Travel Grant Award 2024&2025
- ICLR 2024 Travel Grant Award 2024
- School of Engineering and Applied Science Award for Excellence 2024
- The Bede Liu Fund for Excellence 2024

INVITED TALKS

- “On the Provable Advantage of Unsupervised Pretraining”, Fudan CS Seminar, Jun 2024.