

Xingyu Chen

 cxy0714 |  My Website |  xingyuchen0714@sjtu.edu.cn

EDUCATION

- 2023 – present **Shanghai Jiao Tong University**, Minhang, Shanghai 200240, China
Ph.D. Candidate in Statistics
Advisor: **Lin Liu**
- 2019 – 2023 **Huazhong University of Science and Technology**, Hongshan, Wuhan 430074, China
B.S. in Mathematics and Applied Mathematics

RESEARCH INTERESTS

High-dimensional statistics; Statistical computing; Higher-order U-statistics; Causal inference; Semiparametric theory.

PREPRINTS

- [1] Xingyu Chen, Lin Liu, and Rajarshi Mukherjee. Method-of-moments inference for GLMs and doubly robust functionals under proportional asymptotics. *arXiv preprint arXiv:2408.06103*, 2024.
- [2] Xingyu Chen, Ruiqi Zhang, and Lin Liu. On computing and the complexity of computing higher-order U-statistics, exactly. *arXiv preprint arXiv:2508.12627*, 2025.

AWARDS

Honors and Awards during Ph.D.

- May 2025 Best Paper Award
Forum on AI for Mathematics, Shanghai Jiao Tong University, Shanghai, China
- Apr. 2025 Travel Award
3rd Annual Meeting of the Chinese Statistical Association of Young Scholars, Jinan, China

Honors and Awards during Undergraduate

- Jun. 2023 Outstanding Graduate
Huazhong University of Science and Technology
- Dec. 2021 First Prize
13th National Undergraduate Mathematics Competition (Hubei Division)
- Dec. 2020 National Scholarship for Undergraduate Students
Ministry of Education of China

PRESENTATIONS

- May 2025 Oral, Forum on AI for Mathematics, Shanghai Jiao Tong University, Shanghai, China
- Apr. 2025 Oral, 3rd Annual Meeting of the Chinese Statistical Association of Young Scholars, Jinan, China
- Apr. 2025 Poster, European Causal Inference Meeting 2025, Ghent, Belgium

SERVICE

Dec. 2022 Main contributor of the Chinese translation of “Fernholz, L. T., and S. Morgenthaler. A conversation with John W. Tukey and Elizabeth Tukey. *Statistical Science*, 15(1): 79–94, 2000.” for [Capital of Statistics \(COS\)](#), a leading online platform for the Chinese statistical community, established in 2006.

TEACHING EXPERIENCE

Fall 2025 Teaching Assistant
Advanced Mathematical Statistics (Ph.D. Course)
School of Mathematical Sciences, Shanghai Jiao Tong University
Instructor: [Lin Liu](#)

Spring 2025 Teaching Assistant
Probability and Statistics (Undergraduate Course)
School of Mathematical Sciences, Shanghai Jiao Tong University
Instructor: [Peng Luo](#)

Fall 2024 Teaching Assistant
Linear Algebra (Undergraduate Course)
School of Mathematical Sciences, Shanghai Jiao Tong University
Instructor: Zhen Cui

COMPUTATION SKILLS

R, Python, C++, Mathematica, Matlab