

Ali Kaazempur-Mofrad

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Education

University of California, Los Angeles (UCLA) Los Angeles, CA
Ph.D. Candidate in Statistics 2022 – Present

- Advisor: [Prof. Xiaowu Dai](#)

University of Toronto Toronto, ON
Honours B.Sc. in Physics; Double Minor in Mathematics and Statistics 2016 – 2021

Awards & Fellowships

Summer Mentored Research Fellowship 2023
UCLA Department of Statistics & Data Science

Research Interests

Statistical market design · Ranking and inference under uncertainty · Fairness in resource allocation

Publications

- [1] **A. Kaazempur-Mofrad** and X. Dai. “A Data Envelopment Analysis Approach for Assessing Fairness in Resource Allocation: Application to Kidney Exchange Programs.” *Annals of Applied Statistics*, 2025.
[\[Paper\]](#) [\[Code\]](#)
- [2] **A. Kaazempur-Mofrad**, X. Dai, and X. He. “A Statistical Market-Design Framework for Academic Job Markets.” *Submitted to Journal of the American Statistical Association (Applications and Case Studies)*, 2026.
[\[Code\]](#) [\[Project Website\]](#)

Teaching Experience

Graduate Student Instructor UCLA Department of Statistics & Data Science

- STATS 403: Mathematical Statistics (*Graduate*)
- STATS 140XP: Practice of Statistical Consulting
- STATS 102C: Introduction to Monte Carlo Methods
- STATS 102A: Introduction to Computational Statistics with R
- STATS 101A: Introduction to Data Analysis and Regression
- STATS 100C: Linear Models
- STATS 100B: Introduction to Mathematical Statistics
- STATS 13: Introduction to Statistical Methods for Life and Health Sciences
- STATS 10: Introduction to Statistical Reasoning

Reader / Grader UCLA Department of Statistics & Data Science

- STATS 100B: Introduction to Mathematical Statistics
- STATS 13: Introduction to Statistical Methods for Life and Health Sciences
- STATS 12: Introduction to Statistical Methods for Geography and Environmental Studies

Selected Coursework

- **Probability & Theory:** STATS 200A (Applied Probability), STATS 200B (Theoretical Statistics)
- **Modeling & Inference:** STATS 201A (Research Design, Sampling, and Analysis), STATS 201B (Statistical Modeling and Learning), STATS 201C (Advanced Modeling and Inference)
- **Computation:** STATS 202A (Statistics Programming), STATS 202B (Matrix Algebra and Optimization), STATS 202C (Monte Carlo Methods for Optimization)
- **Electives:** ECON 211C (Game Theory and Economic Applications), STATS 211 (Topics in Economics and Machine Learning), STATS C260 (Causal Inference for Health Data)

Technical Skills

R, Python, L^AT_EX, SQL, Git

References

Available upon request.