Yuqian Zhang

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Positions

Assistant Professor   September 2022 - present
Institute of Statistics and Big Data, Renmin University of China

Education

University of California, San Diego, U.S.   September 2018 - March 2022
Ph.D. in Mathematics with a Specialization in Statistics
Advisor: Jelena Bradic

University of California, San Diego, U.S.   September 2016 - June 2018
M.S. in Statistics

Wuhan University, China   September 2012 - June 2016
B.S. in Mathematics and Applied Mathematics

Research Interests

- Causal Inference and Missing Data Problems
- Semi-supervised Inference
- High Dimensional Statistics
- Machine Learning

Publications and Preprints

Yuqian Zhang, Jelena Bradic and Weijie Ji (2021). Dynamic treatment effects: high-dimensional inference under model misspecification. arXiv preprint arXiv:2111.06818.

Jelena Bradic[#], Weijie Ji[#] and **Yuqian Zhang**[#] (2021). High-dimensional inference for dynamic treatment effects. Major revision at The Annals of Statistics. arXiv preprint arXiv:2110.04924.

Yuqian Zhang*, Abhishek Chakrabortty* and Jelena Bradic* (2021). Double robust semi-supervised inference for the mean: selection bias under MAR labeling with decaying overlap. Minor revision at Information and Inference: A Journal of the IMA. arXiv preprint arXiv:2104.06667.

Yuqian Zhang and Jelena Bradic (2021). High-dimensional semi-supervised learning: in search of optimal inference of the mean. Biometrika, asab042, `https://doi.org/10.1093/biomet/asab042`. *(This paper received the 2021 Student Paper Award from the ASA Nonparametric Statistics Section.)*

(# alphabetical order, * co-first authors)

Presentations

Invited seminar, Department of Applied Mathematics, The Hong Kong Polytechnic University	September 2022
Invited session, the 5th International Conference on Econometrics and Statistics	June 2022
Invited seminar, Department of Family Medicine and Public Health, UC San Diego	April 2022
Invited session, ENAR 2022 Spring Meeting	March 2022
Topic-contributed session, Joint Statistics Meeting	Auguest 2021
Poster session, Southern California Machine Learning Symposium, UC Los Angeles	March 2019
Poster session, Statistics & Data Science Symposium, UC San Diego	January 2019

Awards and Honors

Best Student Paper Award (Nonparametric Statistics Section), American Statistical Association	2021
Teaching Assistant Award, Department of Mathematics, UC San Diego	2019 - 2020
Friends of the International Center Scholarship, UC San Diego	May 2019
Outstanding Graduate, Wuhan University	June 2016

Service Activities

Reviewers: *Journal of the American Statistical Association* (3), *Biostatistics*, *Journal of Nonparametric Statistics*, *Statistics*, *Lifetime Data Analysis*.

Teaching

Instructor, Institute of Statistics and Big Data, Renmin University of China	2022 - present

- Advanced Statistical Computing (PhD level)   Fall 2022

Teaching Assistant, Department of Mathematics, UC San Diego	2018 - 2022

- Math 281A, 281B - Mathematical Statistics (graduate level).
- Math 189 - Data Analysis and Inference (upper division).
- Math 183 - Statistical Methods (upper division).
- Math 180A - Introduction to Probability (upper division).
- Math 11 - Calculus-Based Prob & Stats (lower division).