

XINWEI MA

DEPARTMENT OF ECONOMICS
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ACADEMIC APPOINTMENTS

University of California San Diego

Associate Professor (with tenure), Department of Economics, 2025–present.

Assistant Professor, Department of Economics, 2019–2025.

EDITORIAL APPOINTMENTS

Associate Editor, *Econometric Theory*, 2026–2028.

Associate Editor, *Journal of Econometrics*, 2026–2027.

Associate Editor, *The Econometrics Journal*, 2026–2028.

EDUCATION

University of Michigan

Ph.D. in Economics, 2019.

M.A. in Statistics, 2019.

University of Hong Kong

Master of Finance (with distinction), 2013.

Peking University

Master of Economics, HSBC Business School, 2013.

Bachelor of Science, 2010.

PUBLICATIONS

JOURNAL ARTICLES

1. “[Principal Component Analysis for a Mix of Stationary and Nonstationary Variables](#),” with James D. Hamilton and Jin Xi.
Journal of Econometrics, Accepted.
2. “[Covariate Adjusted Response Adaptive Design with Delayed Outcomes](#),” with Jingshen Wang and Waverly Wei.
Journal of the American Statistical Association, Accepted.
3. “[Enhanced Language Models for Predicting and Understanding HIV Care Disengagement: A Case Study in Tanzania](#),” with Waverly Wei, Junzhe Shao, Rita Qiuran Lyu, Rebecca Hemono, Joseph Giorgio, Zeyu Zheng, Feng Ji, Xiaoya Zhang, Emmanuel Katabaro, Matilda Mlowe, Amon Sabasaba, Caroline Lister, Siraji Shabani, Prosper Njau, Sandra I. McCoy, and Jingshen Wang.
npj Digital Medicine 9: 165, January 2026.

4. “[Testing Limited Overlap](#),” with Yuya Sasaki and Yulong Wang.
Econometric Theory 41(5): 1129–1162, October 2025.
5. “[Adaptive Experiments Toward Learning Treatment Effect Heterogeneity](#),” with Jingshen Wang and Waverly Wei.
Journal of the Royal Statistical Society Series B: Statistical Methodology 87(4): 1055–1084, September 2025.
6. “[Boundary Adaptive Local Polynomial Conditional Density Estimators](#),” with Matias D. Cattaneo, Rajita Chandak, and Michael Jansson.
Bernoulli 30(4): 3193–3223, November 2024.
7. “[Local Regression Distribution Estimators](#),” with Matias D. Cattaneo and Michael Jansson.
Journal of Econometrics 240(2): 105074, March 2024.
8. “[Breaking the Winner’s Curse in Mendelian Randomization: Rerandomized Inverse Variance Weighted Estimator](#),” with Jingshen Wang and Chong Wu.
Annals of Statistics 51(1): 211–232, February 2023.
9. “[Robust Inference Using Inverse Probability Weighting](#),” with Jingshen Wang.
Journal of the American Statistical Association, 115(532): 1851–1860, December 2020.
10. “[Simple Local Polynomial Density Estimators](#),” with Matias D. Cattaneo and Michael Jansson.
Journal of the American Statistical Association 115(531): 1449–1455, September 2020.
11. “[A Random Attention Model](#),” with Matias D. Cattaneo, Yusufcan Masatlioglu and Elchin Suleymanov.
Journal of Political Economy 128(7): 2796–2836, July 2020.
12. “[Two-Step Estimation and Inference with Possibly Many Included Covariates](#),” with Matias D. Cattaneo and Michael Jansson.
Review of Economic Studies 86(3): 1095–1122, May 2019.

CONFERENCE PROCEEDINGS

13. “[Fair Adaptive Experiments](#),” with Jingshen Wang and Waverly Wei.
In *Proceedings of the 37th International Conference on Neural Information Processing Systems (NeurIPS 2023)*. Article No.: 840, 19157–19169, December 2023.

OTHER PUBLICATIONS

14. “[Context-Dependent Heterogeneous Preferences: A Comment on Barseghyan and Molinari \(2023\)](#),” with Matias D. Cattaneo and Yusufcan Masatlioglu. (Invited comment on “Risk Preference Types, Limited Consideration, and Welfare” by L. Barseghyan and F. Molinari.)
Journal of Business & Economic Statistics 41(4): 1030–1034, October 2023.
15. “[Causal Inference and Machine Learning in Practice: Use Cases for Product, Brand, Policy and Beyond](#),” with Jeong-Yoon Lee, Yifeng Wu, Keith Battocchi, Fabio Vera, Zhenyu Zhao, Totte Harinen, Jing Pan, Huigang Chen, Zeyu Zheng, Chu Wang, and Yingfei Wang. (Introduction to the workshop.)
In *Proceedings of the 29th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD 2023)*. 5867, August 2023.

STATISTICAL SOFTWARE ARTICLES

16. “[lpcde: Estimation and Inference for Local Polynomial Conditional Density Estimators](#),” with Matias D. Cattaneo, Rajita Chandak and Michael Jansson.
Journal of Open Source Software 10(107): 7241, March 2025.
17. “[lpdensity: Local Polynomial Density Estimation and Inference](#),” with Matias D. Cattaneo and Michael Jansson.
Journal of Statistical Software 101(2): 1–25, January 2022.
18. “[Manipulation Testing based on Density Discontinuity](#),” with Matias D. Cattaneo and Michael Jansson.
Stata Journal 18(1): 234–261, March 2018.

WORKING PAPERS

1. “Feature Importance and Selection in Language Models with Semi-structured Data,” with Qiuran Lyu and Jingshen Wang.
2. “Can Language Models Boost the Power of Randomized Experiments Without Statistical Bias?” with Xinrui Ruan, Yingfei Wang, Waverly Wei, and Jingshen Wang.
3. “Mediation Analysis with Mendelian Randomization and Efficient Multiple GWAS Integration,” with Qiuran Lyu, Jingshen Wang, and Chong Wu.
4. “On the Theoretical Investigation of Mediation Analysis in Mendelian Randomization with Summary Data,” with Qiuran Lyu and Jingshen Wang.
5. “Attention Overload,” with Matias D. Cattaneo, Paul Cheung, and Yusufcan Masatlioglu.

STATISTICAL PACKAGES

1. rddensity: Manipulation (density discontinuity) testing in regression discontinuity designs. (Available in [R](#), [Python](#), and [Stata](#))
2. lpdensity: Local polynomial density estimation and robust inference. (Available in [R](#), [Python](#), and [Stata](#))
3. lpcde: Boundary adaptive local polynomial conditional density estimator. (Available in [R](#), [Python](#), and [Stata](#))
4. ramchoice: Estimation and inference in random attention models. (Available in [R](#))

FELLOWSHIP, GRANTS, HONORS AND AWARDS

FELLOWSHIP

Fellow, International Association for Applied Econometrics, 2026–present.

GRANTS

National Institutes of Health (NIH), R01 AG089512, Co-Investigator, 2025–2030.

HONORS AND AWARDS

Statistical Software Award, Society for Political Methodology, 2017. ([RD design packages](#))

National Scholarship for Graduate Students, Ministry of Education of China, 2013.

University of California San Diego

Faculty Teaching Award for a Graduate Core Course (ECON220B), 2024.

Faculty Teaching Award for a Graduate Core Course (ECON220B, honorable mention), 2022.

University of Michigan

Rackham Predoctoral Fellowship, 2018.

Rackham One-Term Fellowship, 2018.

Lawrence Klein Fellowship in Econometrics, 2017, 2016.

MITRE Graduate Research Award, 2017, 2016.

Outstanding Third-year Paper in Econometrics, 2016.

Phi Kappa Phi.

University of Hong Kong

Dean's Honors List, 2012, 2011.

Peking University

Graduate Fellowship, 2012, 2011; Undergraduate Fellowship, 2009, 2008.

PROFESSIONAL SERVICES

Scientific Committee, Annual Conference of the International Association for Applied Econometrics (IAAE) in Carcavelos, Portugal, 2026.

Reviewer, Annual Conference of the International Association for Applied Econometrics (IAAE) in Torino, Italy, 2025.

Scientific Committee, China Conference of the International Association for Applied Econometrics (IAAE), 2024.

Co-organizer (joint with Chu Wang, Yingfei Wang, and Zeyu Zheng), KDD 2023 Workshop
Causal Inference and Machine Learning in Practice: Use Cases for Product, Brand, Policy and Beyond.

Referee for *Advances in Econometrics*, *American Economic Review*, *American Journal of Political Science*, *Biometrics*, *Econometrica*, *Econometric Reviews*, *Econometric Theory*, *Econometrics Journal*, *Economics Letters*, *Human Molecular Genetics*, *IEEE Transactions on Information Theory*, *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *Journal of Alzheimer's Disease*, *Journal of the American Statistical Association*, *Journal of Applied Econometrics*, *Journal of Business & Economic Statistics*, *Journal of Causal Inference*, *Journal of Econometrics*, *Journal of Machine Learning Research*, *Journal of Nonparametric Statistics*, *Journal of Political Economy*, *JPE Micro*, *Journal of the Royal Statistical Society Series B*, *Journal of Statistical Planning and Inference*, *Operations Research*, *Quantitative Economics*, *Review of Economic Studies*, *Review of Economics and Statistics*, *Sankhya*, *Scandinavian Journal of Statistics*, *Stata Journal*,

TEACHING

ECON 120B Linear Regression Analysis (Undergraduate)

Winter 2027, Winter/Summer 2026, Summer 2025, Spring 2024, Summer 2023, Spring/Summer 2022, Spring/Summer 2021, Spring 2020.

ECON 220B Linear and Nonlinear Econometric Methods (Ph.D. first year)

Winter 2027, Winter 2026, Winter 2025, Winter 2024, Winter 2023, Winter 2022, Winter 2021.

ECON 220E Selected Topics for Causal Inference and Program Evaluation (Ph.D. second year)

Winter 2025.

ECON 227 Nonparametric and Semiparametric Methods (Ph.D. elective)
Winter 2023, Spring 2020.

ECON 285/296 Third-year Paper (Ph.D.)
Spring 2023, Fall 2020.

ECON 286 Graduate Research Presentation Workshop (Ph.D.)
Spring 2027, Spring/Fall 2026, Fall 2025, Spring/Fall 2024, Fall 2023, Spring/Fall 2022, Spring 2021.

CSS 201S Guest Lecture on the Regression Discontinuity Designs (M.S. in Computational Social Science)
Summer 2023.

ADVISING

University of California San Diego, Ph.D. Dissertation Committee
Georgy Kalashnov (in progress), Lapo Bini (in progress), Haoyu Wei (in progress), Vedant Vohra (in progress), Chen (James) Lin (2025), Stefan Faridani (2024), Jin Xi (2024), Julián Martínez-Iriarte (2021).

DEPARTMENT AND UNIVERSITY SERVICES

Revelle College, TRELS Scholarship Applications Reviewer
Winter/Spring 2026, Winter/Spring 2025, Winter/Spring/Summer 2024, Winter/Spring/Summer 2023, Spring/Summer 2020.

School of Social Sciences, M.S. in Computational Social Science Admissions Committee
2025–2026.

ASA DataFest at UC San Diego, Primary contact for dataset distribution and updates
2026.

Department of Economics, Committee on Ph.D. Program Reform
2025–2026.

Department of Economics, Econometrics Qualifying Exam Chair
June/September 2026, June/September 2023.

Department of Economics, Econometrics Seminar Organizer
Spring 2026, Winter/Fall 2025, Fall 2024, Fall 2023, Spring/Fall 2022, Spring 2021.

Department of Economics, Graduate Research Presentation Workshop (Econometrics) Organizer
Spring 2027, Spring/Fall 2026, Fall 2025, Spring/Fall 2024, Fall 2023, Spring/Fall 2022, Spring 2021.

Department of Economics, Ph.D. Admissions Committee, Chair
2026–2027.

Department of Economics, Ph.D. Admissions Committee
2025–2026, 2023–2024, 2022–2023.

Department of Economics, Representative to the Academic Senate
2024–2025, 2023–2024.