# Jing Tao

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## Academic Position

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| Acting Assistant Professor of Economics, University of Washington | 2015-2016 |
| Assistant Professor of Economics, University of Washington | 2016- |
| Visiting Assistant Professor of Economics, University of Pennsylvania | 2018 Winter |
| Adjunct Assistant Professor of Statistics, University of Washington. | 2021- |

## Education

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| Ph.D. in Economics, University of Wisconsin-Madison | 2015 |
| Dissertation title: Three Essays in Econometrics. Advisor: Jack Porter | |
| M.S. in Economics, Peking University | 2009 |
| B.S. in Economics (with highest honor) and Mathematics, Peking University | 2007 |

## Research and Teaching Fields

Primary: Econometrics

Secondary: Empirical Industrial Organization, Causal Inference and Machine Learning

## Publications

Semi-Nonparametric Estimation of Random Coefficients Logit Model for Aggregate Demand, with Zhentong Lu and Xiaoxia Shi, *Journal of Econometrics*, 235 (2023): 2245-2265.

Partial Identification and Inference in Moment Models with Incomplete Data, with Yanqin Fan and Xuetao Shi, *Journal of Econometrics*, 235 (2023): 418-443.

Inference for Heterogeneous Treatment Effects for Observational Data with High -Dimensional Covariates, with Yumou Qiu and Xiao-Hua Zhou, *Journal of the Royal Statistical Society: Series B*, 83 (2021): 1016-1043.

Empirical Likelihood Ratio Tests of Conditional Moment Restrictions with Unknown Functions, *Journal of Business and Economic Statistics*, 39 (2021): 282-293.

Inference for High-dimensional Instrumental Variables Regression, with Johannes Lederer and David Gold, *Journal of Econometrics*, 217 (2020): 79-111.

Uniform Trinity Tests for Semi/Nonparametric GMM Models, *Journal of Multivariate Analysis*, 178 (2020):104-121.

## Working Papers

Estimation and Inference for Partially Linear Models with Estimated Outcomes Using High-Dimensional Data, with Yang Ning and Sida Peng, R&R (third round) at *Journal of Econometrics*.

Semiparametric Estimation and Inference of High Dimensional Single-index Models, with Ruixuan Liu, R&R at *Journal of Business and Economic Statistics*.

Flexible Estimation of Differentiated Product Demand Models Using Aggregate Data, with Amit Gandhi and Aviv Nevo.

Inference for Conditional Quantile Processes in Observational Studies with High-Dimensional Covariates, with Yumou Qiu and Xintao Xia.

On the Asymptotic Theory for Semi/Nonparametric GMM Models with Partial Identification.

Model Selection and Model Averaging in Nonparametric Instrumental Variables Models, with Chu-An Liu.

## Invited Seminar and Conference

2022-2023: Southern Economic Association Meeting (2022, invited), CMStatistics (virtual, invited), Big-Data, High-Dimensional Models, and Machine Learning Conference (UIUC, invited), UW/Amazon Statistical Machine Learning & Causal Inference Round Table (UW, invited), Iowa State, University of Texas-Austin, Texas A&M University

2021-2022: Southern Economic Association Meeting (2021, invited), Microsoft ML&Econometrics Meeting, Econometric Society Winter Meeting (virtual), Chinese University of Hong Kong

2020-2021: World Congress (virtual), Econometric Society Winter Meeting (virtual), CMStatistics (virtual, invited), UCSD, Harvard (biostat), UCLA

2019-2020: Econometric Society Summer Meeting (Seattle), UC-Irvine

2018-2019: NBER-NSF Conference on "Nonstandard Inference Problem" (Duke, invited), Econometric Society Winter Meeting (Atlanta), Boston University

2017-2018: Co-organizer of Seattle-Vancouver Econometrics Conference, NBER-NSF Conference on "Nonstandard Inference Problem" (UCLA, invited), Econometric Society Winter Meeting (Philadelphia), University of Hong Kong, Econometric Society Summer Meeting (UC-Davis)

2016-2017: SUFFE, Seattle-Vancouver Econometrics Conference, California Econometric Conference (BYU), Academia Sinica, Indiana U, Econometric Society Summer Meeting (U Penn), Econometric Society Asian Meeting (Hong Kong)

2015-2016: SVEC 2015 Conference, UCSD, UW (stat), Penn State

2014-2015: U Washington, UC Berkeley, U Toronto, Emory, UCL, Columbia, World Congress of the Econometric Society

2013-2014: North American Summer Meeting of the Econometric Society, Midwest Econometric Group Meeting

**Referee Services:**

*Biometrics, Econometrica, Econometrics Review, Econometric Theory, Journal of Business & Economic Statistics, Journal of Econometrics, Journal of Econometric Methods, Journal of Machine Learning Research, Journal of the Royal Statistical Society: Series B, Oxford Bulletin of Economic and Statistics, Quantitive Economics, Review of Economics and Statistics, Review of Economic Studies, Scandinavian Journal of Statistics, MIT Press*