

Erhao Xie

Business Address

Bank of Canada
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Employment

2022 - Present: Principal Researcher, Bank of Canada

2018 - 2022: Senior Economist, Bank of Canada

Education

2012 - 2018: Ph.D. in Economics, University of Toronto

- Thesis Title: *Identification and Estimation of Empirical Games without Equilibrium Assumption*
- Thesis Committee: Victor Aguirregabiria (Chair), Yao Luo, Ryan Webb

2011 - 2012: M.A. in Economics, University of Toronto

2009 - 2011: B.A. in Economics, University of Western Ontario

2007 - 2009: B.A. in Economics, Dongbei University of Finance and Economics

Research Interests

Industrial Organization, Econometrics, Experimental Economics

Publication

- “Inference in Games without Equilibrium Restriction: An Application to Restaurant Competition in Opening Hours”, *Journal of Business & Economic Statistics*, Vol (40), 2022.
- “Empirical Properties and Identification of Adaptive Learning Models in Behavioral Game Theory”, *Journal of Economic Behavior & Organization*, Vol (191), 2021.
- “Identification of Non-Equilibrium Beliefs in Games of Incomplete Information Using Experimental Data” (with Victor Aguirregabiria), *Journal of Econometric Methods*, Vol (1), 2021.

Working Papers

- “Nonparametric Identification of Incomplete Information Discrete Games with Non-Equilibrium Behaviors”.
- “Non-Parametric Identification and Testing of Quantal Response Equilibrium”, with Johannes Hoelzemann, and Ryan Webb.
- “Information Structure and Strategic Interactions in the Payments System Liquidity Management Game”, with Victor Aguirregabiria and Francisco Rivadeneyra.

Teaching Experience

2014-2016: Course Instructor, University of Toronto

- ECO 316: Applied Game Theory (Evaluation: 4.5/5)
- ECO 326: Advanced Economic Theory-Micro (Evaluation: 4.3/5)

Conferences and Seminar Presentations

2023 University of Toronto, Xi'an Jiaotong University

2022 CEA Conference, North America Summer Meeting of the Econometric Society, IAAE

2021 Bank of Canada, Jinan University

2020 Econometric Society World Congress, Economic Science Association Junior Faculty Seminar, Economic Science Association Global Conference

2019 Bank of Canada, CEA Conference, Econometric Society (Asian, China, European) Meetings

2018 Bank of Canada, Concordia, McGill, University of Victoria, IIOC, IAAE

2017 CEA Conference, EARIE, Tsinghua University, Jornadas de Economia Industrial, University of Toronto, Yale Young Economist Symposium

2016 CEA Conference, Doctoral Workshop for Applied Econometrics, ESA North American Meeting, University of Toronto

2015 University of Toronto

Referee Activities

The Econometrics Journal, Journal of Economic Behavior & Organization

Organization of Conferences

2022 Platforms and Data: Shaping the Future of Payments?

2021 7th Joint Bank of Canada and Payments Canada Symposium on Shaping the Future of Payments