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Karen Xueqing Yan

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Current Position

Assistant Professor, School of Economics, Georgia Institute of Technology, August 2019 —.

Education

Ph.D. in Economics, Texas A&M University, U.S.A, 2019.

M.S. in Economics, Kansas State University, U.S.A, 2014.

M.A. in Finance, Huazhong University of Science and Technology, China, 2012.

B.S. in Mathematics, Shandong University of Technology, China, 2009.

Research Fields

Econometric Theory, Applied Econometrics, Empirical Industrial Organization.

Publications

1. "Estimation of Average Treatment Effects based On A Semiparametric Propensity Score", with Yu Sun and Qi Li, 2020. *forthcoming* at ***Econometric Reviews***.

2. "Kernel Smoothed Probability Mass Functions for Ordered Datatypes", with Jeffrey S. Racine and Qi Li, ***Journal of Nonparametric Statistics***, 32(3):563-586, 2020.

3. "Inference on Difference-in-Differences Average Treatment Effects: A Fixed-b Approach", with Yu Sun, ***Journal of Econometrics***, 211(2): 560-588, 2019.

4. "Nonparametric Estimation of a Conditional Quantile Function in a Fixed Effects Panel Data Model", with Qi Li, ***Journal of Risk and Financial Management***, 11(3): 44, 2018.

5. "On the Density Estimation of Air Pollution in Beijing", with Yanqin Fan and Lei Hou, ***Economics Letters***, 163: 110-113, 2018.

Working Papers

1. "A Simple Nonparametric Method for Estimation and Inference of Conditional Quantile Functions", with Zheng Fang and Qi Li, 2021. *R&R* at ***Econometric Theory***.

2. "Assessing the Impact of Euro Adoption on Bilateral Trade Using Propensity Scores: A Replication Study", 2019. *Under invited revision* at ***Journal of Applied Econometrics***.

3. “Have the Stay-at-home (SAH) Orders Improved the Air Quality? Evidence from the U.S. Northeast States”, 2021.

4. “A Structural Analysis of Incomplete Contracts with Risk-Averse Bidders”, 2020. *Under Preparation for Submission*

5. “Estimation of Functional-Coefficient Spatial Autoregressive Dynamic Panel Data Models with Fixed Effects”, with Gaosheng (Gauss) Ju and Qi Li, 2021.

Works in Progress

1. “Estimation and Inference of Quantile Structural Treatment Effects”.

2. “Semiparametric Estimation of Partial Linear Conditional Quantile Functions”.

3. “Cross-validation Bandwidth Selection for Nonparametric Estimation of Conditional Distribution Functions with Weakly Dependent Time Series Data”, with Qi Li.

Teaching Experience

- *Independent Instructor, Georgia Institute of Technology*

  Fall 2020: Econometric Analysis (Undergraduate Level)

  Fall 2019, Fall 2020: Econometrics I (Ph.D. Core)

  Spring 2020, Spring 2021: Econometric Analysis (Maters Level).

- *Recitation Instructor, Texas A&M University*

  Spring 2016, Spring 2017: Econometrics II (Ph.D. Core, taught by Professor Jason Lindo).

- *Independent Instructor, Kansas State University*

  Fall 2013: Intermediate Microeconomics.

  Spring 2014: Principles of Microeconomics.

Honors & Awards

- Georgia Institute of Technology

  Faculty Excellence in Research Award, Ivan Allen College of Liberal Arts, 2021.

  Thank-a-Teacher Program Award, 2020.

  Class of 1969 Teaching Fellows, 2020.

- *Texas A&M University*

  S. Charles Maurice Graduate Fellowship in Economics, Department of Economics, 2018.

  Lynde and Harry Bradley Fellowship, Private Enterprise Research Center (PERC), 2017-2018.

  E. Ralph Daniel Scholarship, Private Enterprise Research Center (PERC), Summer 2016.

- *Kansas State University*

  John A. Nordin Memorial Scholarship, 2014; Phi Kappa Phi, 2013.

- *Huazhong University of Science and Technology*

  Outstanding Student Award, 2010; Merit Student Scholarship, 2010.

- *Shandong University of Technology*

  Outstanding Graduate Student, 2009; University Scholarship, 2006, 2007, 2008.

Editorial Service

Guest Editor, *China Economic Review*, 2021.

Referee Experience

Journal of Econometrics, Econometric Reviews, Economics Letters, Economics Bulletin, Journal of Economic Surveys.

Conference & Seminar Presentations

2020: Southern Economic Association Conference

2019: Emory University, Peking University HSBC Business School, Microsoft Research, Chinese University of Hong Kong (Shenzhen), University of Texas Rio Grande Valley, Bank of Canada, Georgia Institute of Technology.

2018: China Meeting of Econometric Society, Fudan University, Shanghai, China.

2017: Midwest Econometric Meeting, Texas A&M University, College Station, Texas.

2017: Texas Econometrics Camp Conference, League City, Texas.

2016: PERC Summer Fellowship Presentation, Texas A&M University, College Station, Texas.

2013: 50th Annual Meeting of Missouri Valley Economic Association, Kansas City, Missouri.

Service

- *School of Economics, Georgia Institute of Technology*

  Econometrics Position Search Committee Member (2019-2020)

  Undergraduate Program Committee Member (2019–)

  Faculty Handbook Committee Member (2020)

- Virtual Faculty Professional Development Advisory Committee, Georgia Institute of Technology (2020-2021)

- Member, Board of Directors, Chinese Economists Society (2020-2021)

Student Advising

Ph.D. Committee

- Jing Xu (Economics,2021, Zhejiang Gongshang University)
- John Olinde (Mathematics, expected 2022)