Karen Xueqing Yan

School of Economics

Georgia Institute of Technology

Atlanta, GA

Email: karen.yan@gatech.edu

Phone: 785-317-5107

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. "How do the Stay-at-home (SAH) Orders Affect Air Quality? Evidence from the Northeastern USA", at ***Empirical Economics***, 64(5): 2085-2103, 2023.

2. "A Simple Nonparametric Method for Estimation and Inference of Conditional Quantile Functions", with Zheng Fang and Qi Li, ***Econometric Theory***, 39(2): 290-320, 2023.

3. "Oil Supply News Shock and Chinese Economy", with Dandan Liu and Qiaoyu Wang, ***China Economic Review***, 75: 101796, 2022.

4. "Estimation of Average Treatment Effects based On A Semiparametric Propensity Score", with Yu Sun and Qi Li, ***Econometric Reviews***, 40 (9): 852-866, 2021.

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

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

7. "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.

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

Working Papers

1. "Varying-coefficient Spatial Dynamic Panel Data Models with Fixed Effects: Theory and Application", with Han Hong, Gaosheng Ju and Qi Li, 2023, R&R at ***Journal of Econometrics***.

2. "On the Estimation of Quantile Treatment Effects Using a Semiparametric Propensity Score", with Mingfeng Zhan, 2023, under review.

3. "Inference on Counterfactual Transition Matrices", with Brantly Callaway and Chengye Jia, 2023.

Teaching Experience

- *Independent Instructor, Georgia Institute of Technology*

  Fall 2020, Fall 2023: Econometric Analysis (Undergraduate Level)
  Fall 2019–2023: Econometrics I (Ph.D. Core)
  Spring 2020–2023: Econometric Analysis (Maters Level).

- *Recitation Instructor, Texas A&M University*

  Spring 2016, Spring 2017: Econometrics II (Ph.D. Core).

- *Independent Instructor, Kansas State University*

  Fall 2013: Intermediate Microeconomics.
  Spring 2014: Principles of Microeconomics.

Honors & Awards

- Georgia Institute of Technology

  Student Recognition of Excellence in Teaching: CIOS Honor Roll, Spring 2023.
  Faculty Excellence in Research Award ($10,000), Ivan Allen College of Liberal Arts, 2021.
  Thank-a-Teacher Program Award, 2020, 2022.
  Class of 1969 Teaching Fellow, 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 Co-Editor, *China Economic Review*, 2021.

Referee Experience

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

Conference & Seminar Presentations

2023: Midwest Econometric Meeting, Cleveland, OH; Georgia Econometrics Conference, University of Georgia, Athens, GA; Kansas Econometrics Workshop, University of Kansas, Lawrence, KS.

2022: Georgia Econometrics Conference, University of Georgia, Athens, GA

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; 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

- Abstract Reviewer, 2022 AAEA Annual Meeting, 2022
- Member, Board of Directors, Chinese Economists Society (2020-2021)
- *School of Economics, Georgia Institute of Technology*

  Econometrics Qualifying Exams Committee Member (2020 –)

  Energy/Environmental Position Search Committee Member (2022-2023)

  Ph.D. Placement Coordinator (2022 - 2025)

  Heath Economics Position Search Committee Member (2021 - 2022)

  Econometrics Position Search Committee Member (2019 - 2020)

  Undergraduate Program Committee Member (2019–2022)

  Faculty Handbook Committee Member (2020)

Student Mentoring

<u>Ph.D. Committee</u>: Jing Xu (Economics, 2021), John Olinde (Mathematics, 2022), Xiaoxi Wang (Economics, 2022), Xin Gu (Economics, expected 2023), Ioanna Spyrou (Economics, expected 2024), Yushuo Yang (Economics, expected 2023).

<u>Ph.D. Comprehensive Exam Committee</u>: Jeongyoon Oh (Building construction, 2023)

<u>Student independent studies</u>: Aisha Sobti (Economics, Summer 2022), Arvind Narayanaswami (Economics, Spring 2023)