

ZHENG FANG

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ACADEMIC APPOINTMENTS

January 27 2023 - Present, Associate Professor, Emory University

August 1, 2022 - January 26, 2023, Acting Associate Professor, Emory University

August 2017 - May 2022, Assistant Professor, Texas A&M University

August 2015 - July 2017, Assistant Professor, Kansas State University

EDUCATION

Ph.D. in Economics, University of California, San Diego, August 2010 - June 2015

Committee: Andres Santos (Chair), Brendan K. Beare, Graham Elliott

M.S. in Statistics, University of California, San Diego, June 2013

M.A. in Economics, Tsinghua University, August 2008 - July 2010

B.A. in Economics, Tsinghua University, August 2004 - July 2008

FIELDS OF TEACHING AND RESEARCH

Econometrics; currently focus on nonstandard inference problems.

WORKING PAPERS

1. Implementing an Improved Test of Matrix Rank in Stata. (with Qihui Chen and Xun Huang)
2. A Unifying Framework for Testing Shape Restrictions.
3. Optimal Plug-in Estimators of Directionally Differentiable Functionals.

PUBLICATIONS

1. A Simple Nonparametric Approach for Estimation and Inference of Conditional Quantile Functions.
Accepted at *Econometric Theory*. (With Qi Li and Xueqing Yan)
2. Inference for Large-Scale Linear Systems with Known Coefficients.
Econometrica, Vol. 91(1), 2023, 299-327. (With A. Santos, A. Shaikh, and A. Torgovitsky)
3. A Projection Framework for Testing Shape Restrictions That Form Convex Cones.
Econometrica, Vol. 89(5), 2021, 2439-2458. (With Juwon Seo)
4. Refinements of the Kiefer-Wolfowitz Theorem and a Test of Concavity.
Electronic Journal of Statistics, Vol. 13(2), 2019, 4596-4645.

5. Improved Inference on the Rank of a Matrix.
Quantitative Economics, Vol. 10(4), 2019, 1787-1824. (With Qihui Chen)
6. Inference on Functionals under First Order Degeneracy
Journal of Econometrics, Vol. 210(2), 2019, 459-481. (With Qihui Chen)
7. Inference on Directionally Differentiable Functions.
Review of Economic Studies, Vol. 86(1), 2019, 377-412. (With Andres Santos)
8. Weak Convergence of the Least Concave Majorant of Estimators for a Concave Distribution Function. *Electronic Journal of Statistics*, Vol. 11(2), 2017, 3841-3870. (With Brendan K. Beare)

TEACHING AND SUPERVISION

§ Emory University

- ◇ Econometrics II (Econ 622, Ph.D. core): Fall 2022-2023
- ◇ Introduction to Econometrics (Econ 320, Undergraduate level): Spring 2023, Fall 2023.

§ Texas A&M University

- ◇ Introduction to Econometrics (ECMT 463, Undergraduate level): Fall of 2018-2021.
- ◇ Financial Econometrics (ECMT 670, Master level): Fall of 2017-2020.
- ◇ Empirical Process Theory and Applications (ECMT 678, Ph.D. elective): Spring 2018.
- ◇ Microeconometrics (ECMT 678, Ph.D. elective): Spring of 2019 and 2021-2022.

§ Kansas State University

- ◇ Microeconometrics (Econ 938, Ph.D. elective): Fall 2015
- ◇ Intermediate Microeconomics (Econ 520, Undergraduate): Spring 2016, Fall 2016
- ◇ Econometrics I (Econ 830, first year Ph.D. core): Spring 2017

§ Students Supervised: (** chair and * co-chair)

- ◇ Liuyi Guo, Ph.D. student in Economics (in progress), TAMU.
- ◇ Qiaoyu Wang, Ph.D. in Economics, TAMU.
- ◇ Shuo Tian*, Ph.D. in Economics (2022), TAMU.
- ◇ Shixuan Li, Ph.D. in Economics (2020), TAMU.
- ◇ Wenzheng Gao, Ph.D. in Economics (2018), TAMU.

FELLOWSHIPS, GRANTS, AND HONORS

Full Tuition Scholarship, UC San Diego, October 2010 - 2015

CPhil Fellowship, UC San Diego, September 2013 - June 2014

Walter Heller Memorial Prize for the Best 3rd Year Paper, UC San Diego, 2013

Clive Granger Research Fellowship, UC San Diego, 2013

Summer Graduate Research Grant, UC San Diego, July 2012 - September 2012

Summer Graduate Research Grant, UC San Diego, July 2011 - September 2011

Department Fellowship, UC San Diego, September 2010 - June 2011

Fei Xiaotong Scholarship, Tsinghua University, November 2009