

# Ruoyao Shi

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## Employment

University of California, Riverside  
Assistant Professor, Department of Economics

RIVERSIDE, CA, USA  
since July 2017

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## Education

University of California, Los Angeles  
Ph.D., Economics, Department of Economics

LOS ANGELES, CA, USA  
June 2017

Peking University  
M.A., Economics, National School of Development (NSD)  
B.S., Statistics, School of Mathematical Science  
B.B.A., Management, Guanghua School of Management

BEIJING, CHINA  
July 2011  
July 2008  
July 2008

Hong Kong University of Science and Technology  
Undergraduate exchange student, Business School

HONG KONG, CHINA  
Spring 2006

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## Working Papers

- Identification and Estimation of Nonstationary Dynamic Discrete Choice Models with Finite Types (joint with [Cheng Chou](#) and [Nan Liu](#)).
- Identification and Estimation of Nonstationary Dynamic Binary Choice Models (joint with [Cheng Chou](#) and [Geert Ridder](#), submitted to *Journal of Econometrics*).
- Identification and Estimation of Nonparametric Hedonic Equilibrium Model with Unobserved Quality (resubmission requested at *Journal of Econometrics*).

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## Publications

1. Mark Kamstra and Ruoyao Shi (2024), "Testing and Ranking of Asset Pricing Models Using the GRS Statistic." *Journal of Risk and Financial Management*, 17(4), 168.
2. Jinyong Hahn, Hyungsik Roger Moon and Ruoyao Shi (2024+), "Test of Neglected Heterogeneity in Dyadic Models." Accepted and published online at *Journal of Econometrics*.
3. Ruoyao Shi (2024), "An Averaging Estimator for Two Step M Estimation in Semiparametric Models." *Econometric Theory*, 40(3), 652-687.
4. Jinyong Hahn, Zhipeng Liao, Geert Ridder and Ruoyao Shi (2023), "The Influence Function of Semiparametric Two-step Estimators with Estimated Control Variables." *Economics Letters*, 231, 111277.

5. Cheng Chou and Ruoyao Shi (2021), "What Time Use Surveys Can (and Cannot) Tell Us about Labor Supply." *Journal of Applied Econometrics*, 36(7), 917-937.
  6. Xu Cheng, Zhipeng Liao and Ruoyao Shi (2019), "On Uniform Asymptotic Risk of Averaging GMM Estimators." *Quantitative Economics*, 10(3), 931-979.
  7. Jinyong Hahn and Ruoyao Shi (2017), "Synthetic Control and Inference." *Econometrics*, 5(4), 52.
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## Journal Referee

Journal of the American Statistical Association, Journal of Econometrics, Quantitative Economics, Econometric Theory, Econometric Reviews, Journal of Applied Econometrics, Review of Economics and Statistics, Journal of Business and Economic Statistics, Empirical Economics, Journal of Quantitative Economics, Econometrics

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## Student Supervising

- Zhuozhen Zhao, PhD (co-chair), 2022, Digonex (Emmis Dynamic Pricing LLC)
  - Yifei Ding, PhD (co-chair), ABD
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## Teaching

### PhD:

Econometric Methods I (Fall 2023, Fall 2018-2021)

Topics in Econometrics (Fall 2023, Spring 2023, Fall 2018-2021)

Empirical Methods in Applied Microeconomics (Fall 2017-2018)

### Undergraduate:

Introductory Econometrics (Spring 2020, Fall 2019, Spring 2019, Winter 2018 & Fall 2017)

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## Awards, Prizes and Fellowships

- Omnibus Research and Travel Awards, UCR, 2020-2021
  - Hellman Fellowship, Hellman Foundation, 2020
  - CHASS Proposal Incentive Award, UCR, 2019
  - Regents' Faculty Fellowship, UCR, 2019
  - Dissertation Year Fellowship, UCLA, 2016
  - Edwin W. Pauley Fellowship, UCLA, 2011
  - Distinguished Graduate Student, Peking University, 2011
  - Kwang-Hua Graduate Research Award, Peking University, 2009
  - Graduate Fellowships, Peking University, 2008-2010
  - Distinguished Undergraduate Student, Peking University, 2008
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## Conference & Seminar Presentations

**2024:** UCLA, Penn State (scheduled).

**2023:** Econometric Society North America Summer Meeting (Los Angeles, CA), California Econometrics Conference (Seattle, WA).

**2022:** Xiamen University.

**2021:** Georgetown University.

**2020:** UT Austin, Southern Methodist University, Rice University.

**2019:** University of Southern California, Midwest Econometrics Group Annual Meeting (Columbus, OH), Econometric Society European Summer Meeting (Manchester, UK), Econometric Society Asia Meeting (Xiamen, China), Canadian Economic Association Annual Conference (Banff, Canada), UCLA, UC Irvine, UC Riverside Statistics Department, Southern California Winter Econometrics Workshop (Riverside, CA), American Economic Association Annual Meeting (Atlanta, GA).

**2018:** UC Davis, UC Santa Cruz, International Association for Applied Econometrics Annual Meeting (Montreal, Canada).

**2017:** UC Riverside, University of New South Wales (Sydney, Australia), University of Sydney (Sydney, Australia), Australian National University (Canberra, Australia), Syracuse University, Boston University.

**2016:** Midwest Econometrics Group Annual Meeting (Urbana-Champaign, IL), Econometric Society Asian Meeting (Kyoto, Japan), Econometric Study Group Bristol Annual Conference (Bristol, UK).

**2015:** California Econometrics Conference (Los Angeles, CA).

**2010:** China Economic Association Annual Meeting (Zhengzhou, China).

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## Conference & Session Organization/Review

**2024:** International Association for Applied Econometrics Annual Meeting (Xiamen, China, member of scientific committee).

**2019:** Southern California Winter Econometrics Workshop (Riverside, CA).

**2010:** China Center for Economic Research (CCER, now NSD) Inaugural Alumni Conference (Beijing, China).

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## Languages

Chinese Mandarin (native), English (fluent), Spanish (basic)