

RUIXUAN LIU

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EMPLOYMENT

Associate Professor (with tenure) Chinese University of Hong Kong	August 2022 – CUHK Business School
Associate Professor (courtesy appointment) Chinese University of Hong Kong	January 2023 – Department of Economics
Assistant Professor Emory University	September 2015 – August 2022 Department of Economics

EDUCATION

Ph.D. Economics University of Washington	June 2015 Seattle, WA
M.A. Economics Vanderbilt University	May 2013 Nashville, TN
B.A. & B.S. Economics & Statistics Peking University	July 2009 Beijing, China

HONORS AND AWARDS

Arnold Zellner Award of <i>Journal of Econometrics</i> Best Theoretical Paper Published in 2016–2017 for the Paper: A Direct Approach to Inference in Nonparametric and Semiparametric Quantile Models (with Y. Fan)	2018
Household International Best Research Paper Best Third Year Research Paper by Ph.D. Candidates at Vanderbilt University	2013

EDITORIAL BOARD

Associate Editor: Journal of Econometrics	2024.12–
Associate Editor: Econometric Reviews	2024.08–

PUBLICATIONS

- Double Robust Bayesian Inference on Average Treatment Effects, with Christoph Breunig and Zhengfei Yu, **forthcoming at *Econometrica***, 2024.
- Simple Semiparametric Estimation of Ordered Response Models, with Zhengfei Yu, *Econometric Theory*, 40, 1-36, 2024. (lead article)
- Sample Selection Models with Monotone Control Functions, with Zhengfei Yu, *Journal of Econometrics*, 226, 321-342, 2022.
- A Multiplex Interdependent Durations Model, with Zhongjian Lin, *Econometric Theory*, 37, 1238-1266, 2021.
- A Competing Risks Model with Time-varying Heterogeneity and Simultaneous Failure, *Quantitative Economics*, 11, 535-577, 2020.

6. Accelerated Failure Time Models with Log-concave Errors, with Zhengfei Yu, *Econometrics Journal*, 23, 251-268, 2020.
7. Partial Identification and Inference in Censored Quantile Regression, with Yanqin Fan, *Journal of Econometrics*, 206, 1-38, 2018. (lead article)
8. Inference for the Correlation Coefficient Between the Potential Outcomes in Gaussian Switching Regime Models, with Heng Chen and Yanqin Fan, *Journal of Econometrics*, 195, 255-270, 2016.
9. Consistent Model Specification Tests Based On K-Nearest-Neighbor Estimation Method, with Hongjun Li and Qi Li, *Journal of Econometrics*, 194, 187-202, 2016.
10. A Direct Approach to Inference in Nonparametric and Semiparametric Quantile Models, with Yanqin Fan, *Journal of Econometrics*, 191, 196-216, 2016.
11. Inference for Optimal Split Point in Conditional Quantiles, with Yanqin Fan and Dongming Zhu, *Frontiers of Economics in China*, 11, 40-59, 2016.
12. Symmetrized Multivariate kNN Estimators, with Yanqin Fan, *Econometrics Review*, 34 (6-10), 828-848, 2015.

COMPLETED WORKING PAPERS

1. Semiparametric Bayesian Difference-in-Differences, with Christoph Breunig and Zhengfei Yu, 2024, **submitted**.
2. Semiparametric Estimation and Inference of High Dimensional Single-index Models, with Jing Tao, 2024, **2nd round revise and resubmit at *Journal of Business and Economic Statistics***.
3. Quasi-Bayesian Inference with Control Functions, with Zhengfei Yu, 2024, **revise and resubmit at *Journal of Econometrics***.

WORK IN PROGRESS

1. General Bootstrap Consistency Theory with Nuisance Parameters, with Zheng Fang, 2024.
2. On Multiplier Bootstrap Approximation of Degenerate U-statistics in Model Specification Testing, with Xiye Yang, 2024.
3. Mixed Hitting Time Models with Competing Risks, with Jaap Abbring and Yifan Yu, 2024.
4. Approximation Dynamic Programming with Shape Constrained Value Functions, 2024.

CONFERENCES AND SEMINARS PRESENTATIONS

Monash University, Australia	2024
Econometric Society Australasian Meeting	
University of Macau	2024
Inaugural Meeting of the Great Bay Econometrics Study Group	
Johns Hopkins University	2024
Measurement Error & Latent Variables Workshop	
Tsinghua University, Beijing	2024
Econometrics Seminar	
Shanghai Jiaotong University, Shanghai	2024
Econometrics Seminar	
East China Normal University, Shanghai	2024
6th Pacific Causal Inference Conference (Keynote)	

Vanderbilt University	2024
North American Summer Meeting of the Econometric Society	
Brunel University London	2024
The 14th RCEA Bayesian Econometrics Workshop	
Zhejiang University, China	2024
Asian Meeting of the Econometric Society	
NYU Abu Dhabi, U.A.E.	2024
Econometrics Seminar	
Peking University, China	2023
Econometrics Seminar	
Renmin University of China, China	2023
Econometrics Seminar	
Barcelona School of Economics, Spain	2023
European Meeting of the Econometric Society	
Singapore Management University, Singapore	2023
SETA 2023	
Tsinghua University, China	2023
Asian Meeting of the Econometric Society	
DUFE, China	2023
7th Dongbei Econometrics Workshop	
UCLA	2023
North American Summer Meeting of the Econometric Society	
CUHK, Hong Kong	2023
CUHK Workshop on Advances in Econometrics, Machine Learning, and Big Data	
University of Georgia, Athens	2022
Georgia Econometrics Workshop	
Microsoft, Seattle	2021
NeurIPS Workshop on Machine Learning meets Econometrics	
University of Barcelona, Spain	2021
European Winter Meetings of the Econometric Society	
Singapore Management University, Singapore	2021
Econometrics Seminar	
Nanyang Technological University, Singapore	2021
Econometrics Seminar	
King's College London, UK	2021
14th International Conference of the ERCIM WG on Computational and Methodological Statistics	
UQAM, Canada	2021
North American Summer Meeting of the Econometric Society	
ShanghaiTech University, China	2021
China Meeting of the Econometric Society	
Tsinghua University, China	2021
Econometrics Seminar	
University of Washington	2021
Econometrics Seminar	

Pennsylvania State University Econometrics Seminar	2020
Queen Mary University of London Econometrics Seminar	2020
UCLA CEME Conference for Young Econometricians	2019
Indiana University Econometrics Seminar	2019
University of Washington North American Summer Meeting of the Econometric Society	2019
SUNY Albany Econometrics Seminar	2019
Syracuse University New York Econometrics Camp XIV	2019
North Carolina State University Econometrics Seminar	2018
Duke University CEME Conference for Young Econometricians	2018
UC Davis North American Summer Meeting of the Econometric Society	2018
Université de Montréal, Canada IAAE Annual Conference	2018
University of Maryland Econometrics Seminar	2018
UT Austin Econometrics Seminar	2018
UCL, UK 10th International Conference of the ERCIM WG (Invited Session)	2017
Texas A&M University Meetings of the Midwest Econometrics Group	2017
Tilburg University, Netherlands Econometrics Seminar	2017
University of Lisbon, Portugal European Summer Meeting of the Econometric Society	2017
Georgia State University Statistics Seminar	2016
Geneva School of Economics, Switzerland European Summer Meeting of the Econometric Society	2016
University of Kyoto, Japan Asian Meeting of the Econometric Society	2016
University of Pennsylvania North American Summer Meeting of the Econometric Society	2016
SHUFE, China 6th Shanghai Econometrics Workshop	2016

Rutgers University Econometrics Seminar	2015
CEMFI European Winter Meeting of the Econometric Society	2014
Simon Fraser University, Canada 31st Meeting of the Canadian Econometric Study Group	2014
USC North American Summer Meeting of the Econometric Society	2013
Maastricht University, Netherlands 23rd <i>EC</i> ² Conference on Hypothesis Testing	2012
University of Kentucky Meetings of the Midwest Econometrics Group	2012

TEACHING

Ph.D. Courses at CUHK DSME 5121, Econometric Theory and Applications	2023-
MBA Courses at CUHK DSME 6360, Micro/Macro-economics	2023-
MS Courses at CUHK DSME5110, Statistical Analysis	2023-
MS Courses at CUHK FINA 6601, Economics for Actuaries	2022-
Undergraduate Courses at CUHK DSME 3050, Global Economics (IBBA)	2023
Ph.D. Courses at Emory University Econ 521 & 522, Econometric Methods I & II	2017–2021
Undergraduate Courses at Emory University Econ 320 & 420, Econometrics	2015–2022

REFEREE

Advances in Econometrics, Computational Statistics and Data Analysis, Communications in Statistics: Theory and Methods, Economic Letters (5+), Econometric Reviews (15+), Econometric Theory, Econometrics Journal, Journal of Econometrics (30+), Journal of Business and Economic Statistics (5+), Journal of Financial Econometrics, Journal of Nonparametric Statistics, Journal of Royal Statistical Society (Series B), Journal of the American Statistical Association, Lifetime Data Analysis, Quantitative Economics, Review of Economics and Statistics, Studies in Nonlinear Dynamics & Econometrics, Test

FELLOWSHIPS AND GRANTS

The General Research Fund (GRF), No.14503523, Research Grants Council, Hong Kong	2023
'Improvement on Competitiveness in Hiring New Faculties' Funding Scheme, CUHK	2022
PERS (Program to Enhance Research & Scholarship) Grant, Emory University	2019
PERS Grant, Emory University	2016

CSSS Graduate Student Research and Training Grant, University of Washington	2014
Wesley Graduate Fellowship, University of Washington	2014
Faculty & Student Collaboration Research Fund (Joint with Y. Fan), Vanderbilt University	2013
Kirk Dornbush Summer Research Grant, Vanderbilt University	2012

SELECTED DEPARTMENT SERVICES

Department ExCom Member, CUHK	2023–24
Department Academic Personal Committee, CUHK	2022–24
Dean’s Achievement Scholarship Award Committee, Emory	2020–21
Committee for Department Research Standard, Emory	2019–20
Recruitment Committee for Econometrics, Emory	2018–19
Co-organizer of Lunch-and-Learn Seminars, Emory	2016–19
Recruitment Committee for Financial Economics/Econometrics, Emory	2015–16

ADVISING

Undergraduate Honor Thesis Committee: Yining Cheng (MATH), Addy O’Donnell (ECON), Jiaming Xu (ECON)
Ph.D. Dissertation Committee: Xi Wu (Placement: Facebook, 2022), Yisroel Cahn (Placement: NYU Postdoc, 2022)

COMPUTING SKILLS

C++, Python, R, SQL