Laura Liu

Last updated: July 2023

Contact Information

Department of Economics
University of Pittsburgh
Wesley W. Posvar Hall, 230 S. Bouquet St.
Pittsburgh, PA 15260

Personal webpage: https://laurayuliu.com
Email: liuyu1237@gmail.com

Appointments

- Associate Professor, Department of Economics, University of Pittsburgh, Fall 2023 - present
- Associate Professor, Department of Economics, Indiana University, Fall 2023 - present (on leave)
- Assistant Professor, Department of Economics, Indiana University, Fall 2019 - Spring 2023
- Economist, Division of Financial Stability, Federal Reserve Board, Fall 2017- Spring 2019
- Adjunct Professor, Department of Economics, Johns Hopkins University, Fall 2018

Editorial Work

- Associate Editor, Journal of Applied Econometrics, 2022 - present
- Associate Editor, Journal of Econometric Methods, 2022 - present

Short-term Visits

- Federal Reserve Bank of Chicago, 2022 - present
- Federal Reserve Bank of Philadelphia, 2021 - present
- Department of Economics, Princeton University, Spring 2023
- Department of Economics, Georgetown University, May - August 2019

Education

- Ph.D., Economics, University of Pennsylvania, 2017
  (Main advisors: Francis X. Diebold and Frank Schorfheide)
- M.A., Economics, University of Pennsylvania, 2014
- M.A., Economics, University of Rochester, 2010
- B.S., Mathematics and Physics, Tsinghua University, 2008

Research Interests

Econometrics, Macroeconometrics, Panel Data

Peer-Reviewed Publications

- "Density Forecasts in Panel Data Models: A Semiparametric Bayesian Perspective," *Journal of Business & Economic Statistics*, 2023, vol. 41 (2), pp. 349-363.

- ◇ "Full-Information Estimation of Heterogeneous Agent Models Using Macro and Micro Data," joint with Mikkel Plagborg-Møller (Princeton), *Quantitative Economics*, 2023, vol. 14 (1), pp. 1-35.
- ◇ "Forecasting with a Panel Tobit Model," joint with Hyungsik Roger Moon (USC) and Frank Schorfheide (UPenn), *Quantitative Economics*, 2023, vol. 14 (1), pp. 117-159.
- ◇ "Panel Forecasts of Country-Level Covid-19 Infections," joint with Hyungsik Roger Moon (USC) and Frank Schorfheide (UPenn), *Journal of Econometrics*, 2020, vol. 200 (1), pp. 2-22.
- ◇ "Forecasting with Dynamic Panel Data Models," joint with Hyungsik Roger Moon (USC) and Frank Schorfheide (UPenn), *Econometrica*, 2020, vol. 88 (1), pp. 171-201.
- ◇ "Estimating Global Bank Network Connectedness," joint with Mert Demirer (MIT), Francis X. Diebold (UPenn), and Kamil Yılmaz (Koç), *Journal of Applied Econometrics*, 2018, vol. 33 (1), pp. 1-15. (Winner of 2020 Richard Stone Prize in Applied Econometrics for best paper(s) in a two-year interval.)

Other Publications

- ◇ "Monetary Policy across Space and Time," joint with Christian Matthes (Indiana) and Katerina Petrova (UPF), in *Essays in Honour of Fabio Canova.* Advances in Econometrics, 2022, vol. 44, pp. 37-64.
- ◇ "Commodity Connectedness," joint with Francis X. Diebold (UPenn) and Kamil Yılmaz (Koç), in *Monetary Policy and Global Spillovers: Mechanisms, Effects and Policy Measures.* Bank of Chile Central Banking Series, 2018, vol. 25, pp. 97-136.

Working Papers

- ◇ "Identification and Estimation of Partial Effects in Nonlinear Semiparametric Panel Models," joint with Alexandre Poirier (Georgetown) and Ji-Liang Shiu (Jinan U), last revised December 2022, also available at arXiv 2105.12891.

Work in Progress

- ◇ "Binary Models with Extreme Covariates: Estimation and Prediction," joint with Yulong Wang (Syracuse).
- ◇ "How Do Time-Varying Treatment Effects Depend on Unobserved Individual Heterogeneity? Identification and Decomposition," joint with Irene Botosaru (McMaster).
- ◇ "Semiparametric Bayesian Inference of MTE with High-Dimensional Data," joint with Francis J. DiTraglia (Oxford).
- ◇ "Improving Nonlinear DSGE Model Estimation Using Variational Inference," joint with Sangmyung Ha (Indiana) and Seokil Kang (Bank of Korea).

Fellowships, Honors and Awards

- ◇ Richard Stone Prize in Applied Econometrics (best paper(s) in a two-year interval) for "Estimating Global Bank Network Connectedness" (with Mert Demirer, Francis X. Diebold, and Kamil Yılmaz), Journal of Applied Econometrics, 2020
- ◇ Arnold Zellner Thesis Award in Econometrics and Statistics, American Statistical Association and the Journal of Business and Economic Statistics, 2018
- ◇ Robert Summers Dissertation Fellowship in Economics, University of Pennsylvania, 2016
- ◇ Maloof Family Dissertation Fellowship in Economics, University of Pennsylvania, 2015

Seminar Talks

- ◇ 2023 (including scheduled): Princeton University, Brown University, Federal Reserve Bank of Chicago
- ◇ 2022: University of Glasgow, MacroFor Seminar, Ohio State University, Xiamen University, Universität Hamburg, University of Cambridge, University College London, University of Oxford, University of Pennsylvania, Federal Reserve Bank of Philadelphia, University of Pittsburgh, University of Southern California, Federal Reserve Bank of Kansas City, Federal Reserve Board, University of Rochester
- ◇ 2021: University of Pittsburgh, Federal Reserve Bank of Atlanta, Bundesbank, CEMFI, Federal Reserve Bank of Richmond, University of Notre Dame
- ◇ 2020: Federal Reserve Bank of Chicago, Federal Reserve Bank of New York, University of Toronto
- ◇ 2019: Tilburg University, Erasmus University Rotterdam, Tinbergen Institute, University of North Carolina Chapel Hill
- ◇ 2018: Libera Università di Bolzano, University of Michigan, University of Pennsylvania, Federal Reserve Bank of Philadelphia, Université de Montréal, Indiana University, University of Georgia, George Washington University, Emory University
- ◇ 2017: Federal Reserve Board, University of Virginia, Microsoft, University of California Berkeley, University of California San Diego (Rady), Boston University, University of Illinois at Urbana–Champaign, Princeton University
- ◇ 2016: University of Pennsylvania, Federal Reserve Bank of Philadelphia
- ◇ 2015: Federal Deposit Insurance Corporation
- ◇ 2014: Federal Reserve Bank of Richmond

Conference Talks

- ◇ 2023 (including scheduled): Applied Time Series Econometrics Workshop (FRB St. Louis, Invited), Dolomiti Macro Meetings (Invited), Econometric Society European Meeting
- ◇ 2022: North American Winter Meeting of the Econometric Society, Applied Econometrics

for Macroeconomics Workshop (Invited), Workshop on Recent Advances in Econometrics (UGlasgow, Invited), North American Summer Meeting of the Econometric Society, Society for Economic Measurement Annual Conference (Invited), NBER-NSF CEME Conference for Young Econometricians, Women in Econometrics Conference (Invited)

- ◇ 2021: North American Winter Meeting of the Econometric Society, North American Summer Meeting of the Econometric Society, International Association for Applied Econometrics Annual Conference, FRB Philadephia Visitor Workshop, International Conference on Computational and Financial Econometrics
- ◇ 2020: IIF workshop on Economic Forecasting in Times of COVID-19, NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics, World Congress of the Econometric Society
- ◇ 2019: North American Winter Meeting of the Econometric Society, Panel Data Forecasting (USC Dornsife INET, Invited), NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics, NBER Summer Institute - Micro Data and Macro Models
- ◇ 2018: First Italian Workshop of Econometrics and Empirical Economics, NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics, North American Summer Meeting of the Econometric Society, International Association for Applied Econometrics Annual Conference, Applied Time Series Econometrics Workshop (FRB St. Louis, Invited), Midwest Econometrics Group Annual Meeting, Southern Economic Association Annual Meeting
- ◇ 2017: NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics, Bayesian Nonparametrics Conference (Invited), Microeconometrics Class of 2017 Conference (Duke), Interactions Conference: Bringing Together Econometrics and Applied Economics
- ◇ 2016: Midwest Econometrics Group Annual Meeting
- ◇ 2014: EconCon Conference

Conference Discussions

- ◇ 2022: North American Winter Meeting of the Econometric Society
- ◇ 2014: EconCon Conference

Teaching

- ◇ Advanced Econometrics II (advanced Ph.D. level), Instructor, University of Pittsburgh, Spring 2024
- ◇ Quantitative Methods (master's), Instructor, University of Pittsburgh, Fall 2023
- ◇ Econometrics: A Mathematical Approach (undergraduate), Instructor, Princeton University, Spring 2023
- ◇ Empirical Macro II (advanced Ph.D. level), Instructor, Indiana University, Spring 2021 and Spring 2022

- ◇ Econometric Theory and Practice (advanced undergraduate and master's level), Instructor, Indiana University, Spring 2020, Fall 2020, and Fall 2021
- ◇ Microeconometrics (advanced Ph.D. level), Instructor, Johns Hopkins University, Fall 2018
- ◇ PIER Workshop on Quantitative Tools for Macroeconomic Policy Analysis, Lab Instructor, UPenn, May 2016, May 2017, and May 2018
- ◇ Topics in Econometrics: Forecasting (advanced undergraduate level), Teaching Assistant, UPenn, Fall 2014
- ◇ Econometrics II: Methods (first-year Ph.D.), Teaching Assistant, UPenn, Spring 2013 and Spring 2014
- ◇ Introduction to Microeconomics (undergraduate), Recitation Instructor, UPenn, Fall 2013
- ◇ Intermediate Microeconomics (undergraduate), Recitation Instructor, UPenn, Fall 2012
- ◇ Macroeconomics (first-year Ph.D.), Teaching Assistant, University of Rochester, Fall 2010

Graduate Advising

- ◇ Co-Chair: Sangmyung Ha (in progress)
- ◇ Committee Member: Sergii Drobot, Nayeon Kang, Hee Soo Kim, Khoi Luu, Byung Goog Park, Cesar Salinas, Myong Jong Shin, Seongbo Sim, Qian Wu (in progress); Matt Bush (2023), Rong Fan (2023), Seokil Kang (2022), Junjie Guo (2020)

Professional Activities

- ◇ Session Organizer, Panel Data Session (co-organized with Yiru Wang), Southern Economic Association Annual Meeting, 2023
- ◇ Invited Lecturer, Continuing Education in Macroeconometrics, University of Melbourne, 2023
- ◇ Panelist, Early Career Academic Session, Econometric Society European Meeting, 2023
- ◇ Program Committee, European Economic Association Congress, 2023
- ◇ Program Committee, International Association for Applied Econometrics Annual Conference, 2023
- ◇ Program Committee, European Economic Association Congress, 2022
- ◇ Program Committee, International Association for Applied Econometrics Annual Conference, 2022
- ◇ Program Committee, 3rd Italian Workshop of Econometrics and Empirical Economics, 2022
- ◇ Program Committee, European Economic Association Congress, 2021
- ◇ Referee: *American Economic Journal: Macroeconomics, Econometrica, Econometric Reviews, Econometrics, Econometrics Journal, Empirical Economics, European Economic Review, International Economic Review, International Journal of Central Banking, International Journal of Forecasting, Journal of the American Statistical Association, Journal*

of Applied Econometrics, Journal of Banking and Finance, Journal of Business & Economic Statistics, Journal of Econometrics, Journal of Economic Dynamics and Control, Journal of Financial and Quantitative Analysis, Journal of Forecasting, Journal of Housing Economics, Journal of Monetary Economics, Quantitative Economics, Review of Economic Dynamics, Review of Economics and Statistics, Review of Economic Studies, Studies in Nonlinear Dynamics and Econometrics