

## Liyang Sun

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### Employment

Assistant Professor, CEMFI, Economics	July 2022 -
Postdoctoral Research Fellow, UC Berkeley, Economics & Statistics	July 2021 - June 2022

### Education

Massachusetts Institute of Technology (MIT), Ph.D., Economics & Statistics	June 2021
Wellesley College, B.A., Economics & Mathematics (Summa Cum Laude)	May 2014

### Professional Activities

Fund Internship Program, IMF	2020
Research Assistant, Shaanxi Normal University CEEE (Xi'an, China) - Stanford REAP	2017-2018
Research Assistant to Professor Heidi Williams, NBER	2014-2015

### Publications

“A linear panel model with heterogeneous coefficients and variation in exposure” with Jesse M. Shapiro  
Forthcoming, *Journal of Economic Perspectives*

“Inference with Many Weak Instruments” with Anna Mikusheva  
*Review of Economic Studies* (2022) 89(5), 2663-2686.

“Estimating Dynamic Treatment Effects in Event Studies with Heterogeneous Treatment Effects” with Sarah Abraham  
*Journal of Econometrics* (2021) 225(2), 175-199.

“Weak Instruments in IV Regression: Theory and Practice” with Isaiah Andrews and James Stock  
*Annual Review of Economics* (2019) 11, 727-753.

“Implementing Valid Two-step Identification-robust Confidence Sets for Linear Instrumental-variables Models”  
*Stata Journal* (2018) 18(4), 803-825.

### Working Papers

“Empirical Welfare Maximization with Constraints”  
*Best Paper Award: Methodology*, NeurIPS Workshop on ML for Economic Policy, 2020

“A Semiparametric and Doubly Robust Test for Complier Characteristics” with Rahul Singh

### Other works

“Structural Reforms and Economic Growth: A Machine Learning Approach” with Anil Ari and Gabor Pula  
*IMF Working Paper* #2022/184

### Fellowships, Honors, and Award

MIT Department of Economics Jerry A. Hausman Graduate Dissertation Fellowship	2019-2020
MIT School of Humanities, Arts and Social Sciences Levitan Teaching Award	2019
Fanny Bullock Workman Fellowship, Wellesley	2017-2018
MIT Department of Economics Fellowship	2015-2017
Wellesley in Washington Fellowship	2013

Classical Studies Department McCann Fellowship, Wellesley

2011

**Invited Presentations**

Stata Economics Virtual Symposium 2022, Aarhus Econometrics Workshop I, ACIC 2022, California Econometrics Conference 2022, University of Michigan Two-way Fixed Effects Workshop 2022, SEA 2021, Econometrics Jamboree 2021, ASSA Winter Meeting 2021, Econometric Society European Winter Meeting 2021, NeurIPS Workshop on ML for Economic Policy 2020, NABE Tech Economics Conference 2020, Econometrics Society World Congress 2020, Women in Data Science (WiDS) Cambridge 2020, NeurIPS CausalML Workshop 2019

**Seminar Presentations**

2022 Georgetown, UBC, UC Davis, University of Cambridge, UPF, USC, CUHK, CREST-PSE, Sciences Po

2021 Brown, CEMFI, Cornell University, Erasmus University Rotterdam, HKUST, LMU München, Microsoft - Office of the Chief Economist, Penn State, Princeton University, Università Bocconi, Universität Bonn, Universität Mannheim, UC Berkeley - Economics, UC Irvine, UCL, UC Santa Cruz, University of Essex, UW Seattle, UW Madison, VU Amsterdam, Wellesley College

2020 UC Berkeley - Statistics

**Professional Service**

Program Committee Member, American Causal Inference Conference 2022

Program Committee Member, Econometric Society European Meeting 2022

Grant application reviewer for National Science Foundation

**Referee for**

*American Economic Review (1), American Economic Review: Insights (3), American Journal of Health Economics (1), Biometrika (1), Canadian Journal of Statistics (1), Econometrica (1), Econometrics and Statistics (1), Food Policy (1), Health Services and Outcomes Research Methodology (2), Journal of Applied Econometrics (4), Journal of Business & Economic Statistics (3), Journal of Econometrics (7), Journal of the Royal Statistical Society: Series C (1), Journal of Urban Economics (1), Quarterly Journal of Economics (2), Review of Economics and Statistics (5), Review of Economic Studies (6), Stata Journal (1)*

**Other Activities**

MIT IDSS Student Council Secretary 2019-2020

MIT Econometrics Lunch Organizer 2018-2020

*Updated: November 2022*