

Renuka Diwan

Boston University, Department of Economics
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EDUCATION	<i>Boston University</i> Boston, MA • Ph.D. candidate in Economics	Sep 2021-Present
	<i>Brown University</i> Providence, RI • B.S. Economics and Computer Science Senior Honors Thesis: The Effect of Rural Road Development on Hospital Births: Evidence from India	Sep 2015-May 2019
HONORS	Questrom Business Economics Fellowship , Boston University Honors in Economics and Computer Science , Brown University Omicron Delta Epsilon Honor Society , Brown University	2024-2025 May 2019 May 2018
PUBLICATIONS	“Effects of Asset Valuations on U.S. Wealth Distribution” with Evgeniya A. Duzhak and Thomas M. Mertens. 2021. FRBSF Economic Letter 2021-24. “Capital Flow Surges and Rising Income Inequality” with Zheng Liu and Mark Spiegel. 2021. FRBSF Economic Letter 2021-09. “Average Inflation Targeting and the Effective Lower Bound” with Sylvain Leduc and Thomas M. Mertens. 2020. FRBSF Economic Letter 2020-22.	
RA PROJECTS	2023: “Auctions as Anti-fraud: Lessons from Durable Medical Equipment” Forthcoming by Jimmy Roberts, Ryan McDevitt, Paul Eliason, Jetson Leder-Luis and Riley League. Analyzes whether the introduction of auctions for durable medical equipment providers reduced medicare fraud. 2020: “Capital Controls and Income Inequality” Working paper by Mark M. Spiegel, Zheng Liu, Jingyi Zhang. Instrumental variable estimation with a panel of emerging market economies confirmed model’s short-run predictions, with robust evidence that income inequality rises with private capital inflows and falls with outflows. 2020: “Tying Down the Anchor: Monetary Policy Rules and the Lower Bound on Interest Rates” Working paper by Thomas M. Mertens and John C. Williams. Analyzed the effects and implementation of various monetary policy frameworks in the presence of a low natural rate of interest and a lower bound on interest rates. Ran simulations to produce impulse response functions estimating the effects on inflation expectations and macroeconomic outcomes.	
RESEARCH EXPERIENCE	Boston University Research Assistant • Working with Prof. Jetson Leder-Luis to identify the effects of auctions on fraud in the durable medical equipment industry.	May 2023-Present
	Harvard University Research Assistant	May 2022-August 2022

- Assisted Professors Emily Breza and Arun Chandrasekhar to study social and economic networks of historically disadvantaged caste groups in Bihar, India
- Tested field experiments to estimate level of information spread among groups
- Wrote code to categorize network shape based on aggregated relational data

Federal Reserve Bank of San Francisco Jul 2019-Jul 2021

Research Associate I

- Collaborated with Fed Economists in compiling large panel datasets for analysis and developing econometric models for academic research in finance, macroeconomic, and international fields.
- Performed a variety of policy tasks related to SF Fed duties for FOMC meeting including maintaining code for forecast charts, creating presentations and briefings, factchecking speeches, and updating economic indicators to be released on SF Fed website.

Brown University, Department of Economics Jan 2019-Jun 2019

Research Assistant to Professors Bryce Steinberg and Manisha Shah (UCLA)

- Performed preliminary research and data analysis on development of Right to Education (RTE) Act in India using STATA.

TEACHING EXPERIENCE

Boston University, Department of Economics Jan 2023-May 2023

Teaching Assistant for International Trade (EC391) and the Economics of Globalization (EC598)

Boston University, Department of Economics Sep 2022-Dec 2022

Teaching Assistant for Development Economics (EC521) and Economics of Less-Developed Regions (EC320)

OTHER

Programming Skills: Java, Python, STATA, R, MATLAB, SQL, C, Mathematica, Tensorflow

Computational Skills: Object-oriented programming, Data structures & algorithms, Computer systems, Machine Learning, Deep Learning, Artificial Intelligence, Big Data & Database management, Optimization, Cluster computing

Mathematical Skills: Real Analysis, Probability and statistics, Econometrics, Curve fitting, Modeling, Regression analysis

Other: Microsoft Excel + Suite, L^AT_EX, Technical writing

Language Skills: English (native), Marathi (fluent), French (proficient)

Citizenship: United States

Date of Birth: January 11, 1998