

Mitali Roy Mathur

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EDUCATION

University of California, Davis – Department of Economics

2nd year Economics Ph.D. student; Fields: Labor, Development

Master of Arts: Economics

California, USA

2022 – Present

2023

Georgetown University, Edmund A. Walsh School of Foreign Service

Bachelor of Science: International Economics (Honors); Major GPA: 3.83/4.00

Certificate: International Development; Minor: Mandarin Chinese

Washington D.C., USA

2019

RESEARCH EXPERIENCE

University of California, Davis

Graduate Student Researcher for Prof. Jenna Stearns and Prof. Keer Yang

California, USA

2023 – Present

- Leading a web scraping exercise to build a database of finance conference attendees
- Working with PIs to analyze data to understand the role that virtual conferences during the COVID-19 pandemic played in altering women's conference attendance

IDinsight

Junior Economist

New Delhi, India

2021 – 2022

- Co-led the design of a randomized controlled trial with 20,000+ moms to evaluate the effects of messaging on a mobile platform on maternal health outcomes in South Africa
 - Conducted power calculations, designed a randomization protocol, created measurement tools, defined outcomes, wrote the pre-analysis plan, submitted IRB documents
- Analyzed data for a study measuring the effects of nudges on honest symptom reporting
- Advocated for a sampling strategy for the Delhi Government's outcome budget surveys

Senior Associate

2021

- Constructed a weighted, composite index to measure overall data quality of enumerators
- Brainstormed and piloted a strategy for improving administrative data quality for NITI Aayog
- Supported the design of a web-application to automate data collection processes

Associate

2019 – 2021

- Managed a process evaluation of a newly piloted women's empowerment program for The National Rural Livelihoods Mission of India in four states to inform scale-up decisions
 - Cleaned and analyzed data, wrote a report, built an interactive dashboard in R with results
- Oversaw ten rounds of phone surveys to collect data for India's COVID-19 response
- Spearheaded research into the representativeness of data collected through phone surveys
 - Designed a pre-analysis plan, conducted analysis, published a practice paper
- Helped execute a household survey for NITI Aayog to monitor key indicators across 27,000 households in eight states in Northern and Eastern India

Jan Sahas

Summer Research Assistant

New Delhi, India

2023

- Developed research about improving welfare targeting by creating a weighted index that prioritized different categories of government schemes based on migrant vulnerabilities
- Built an application to connect migrants' demographic profiles to prioritized schemes

Georgetown University Initiative on Innovation, Development and Evaluation

Summer Research Assistant

Nairobi, Kenya

2018

- Ran high-frequency checks during primary data collection for a randomized controlled trial on the impacts of rainfall index insurance on future insurance take-up

TEACHING EXPERIENCE

University of California, Davis – Department of Economics

California, USA

Teaching Assistant

2022 – Present

- ECN 1A: Principles of Microeconomics – Professor: Gregory Clark
- ECN 1B: Principles of Macroeconomics – Professor: Nicolas Caramp
- ECN 101: Intermediate Macroeconomic Theory – Professor: Paul Bergin
- ECN 115B: Economic Development – Instructor: Soccoro Pardo Martinez
- ECN 145: Transportation Economics – Professor: Erich Muehlegger
- ECN 102C: Analysis of Economics Data – Professor: Jenna Stearns

Georgetown University – Department of Economics

Washington D.C., USA

Principles of Economics Head Tutor

2018 – 2019

- Assisted students in the Principles of Microeconomics/Macroeconomics courses

Principles of Economics Tutor

2016 – 2018

Teaching Assistant

2018

- ECN 156: Poverty & Inequality – Professor: Martin Ravallion

PUBLICATIONS

Published Papers:

K. Nagpal, **M.R. Mathur**, A. Biswas, and A. Fraker, “Who do Phone Surveys Miss, and How to Reduce Exclusion: Recommendations from Phone Surveys in Nine Indian States.” *BMJ Global Health*, August 2021.

Articles:

R. LuSava, C.H. Huang, B. Brockman, Y. Mkandawire, and **M.R. Mathur**, “How Behavioral “Nudges” can Improve COVID-19 Self-Reporting.” *IDinsight Blog*. October 2022.

M.R. Mathur and L. Biswal, “How is the Survey Gig going? Understanding the Gender Dynamics of Surveyor Work in India.” *IDinsight Blog*. August 2022.

M.R. Mathur, “Why IDinsight is Investing in Building Data Systems for Primary Data Collection Activities.” *IDinsight Blog*. February 2022.

M.R. Mathur and S. More, “5 Steps to Constructing a Composite Data Quality Index to Assess Overall Surveyor Performance.” *IDinsight Blog*. November 2021.

M.R. Mathur, “Reflections on Reaching Women Over the Phone in Rural India.” *IDinsight Blog*. August 2020.

M.R. Mathur and P. Kumar, “Daily Practices to Optimize Remote Survey Teams.” *IDinsight Blog*. June 2020.

M.R. Mathur, P. Kumar, S. McDonough, and L. Rametse, “How to Ensure Productivity and Data Quality for a Phone Survey at Scale.” *IDinsight Blog*. June 2020.

M.R. Mathur, P. Kumar, S. McDonough, and L. Rametse, “How to Hire and Train a Phone Survey Team.” *IDinsight Blog*. June 2020.

M.R. Mathur, “How to Identify the Best Length and Time for a Phone Survey.” *IDinsight Blog*. April 2020.

M.R. Mathur, “3 Steps to Designing an Effective Phone Survey that Reaches Respondents.” *IDinsight Blog*. April 2020.

PRESENTATIONS

Tips and Tricks for Remotely Training Enumerators

The World Bank Group's Development Impact Evaluation (DIME) Group. 2021 June.

Learn from IDinsight how to Reduce Phone Survey Bias through Inclusion of Female Respondents

SurveyCTO. 2021 April.

Learn how to Boost Phone Survey Response Rates with Tips from IDinsight

SurveyCTO. 2020 September.

SERVICE

Graduate Students Association, University of California, Davis

Co-president (2023-Present)

- Organize activities with faculty and students (across multiple cohorts)
- Coordinate with the Graduate Chair and Department Chair to improve department operations
- Built a website to consolidate information and resources pertinent to department students

Economics of Migration, Junior Seminar Series

Co-organizer (2024-Present)

- Read papers from junior researchers on topics related to the economics of migration to help select speakers
- Assist in operations for hosting events – publicize events, manage Zoom recordings, moderate questions

PERSONAL

Languages: English (Native), Mandarin Chinese (Proficient), Hindi (Proficient), Bengali (Basic)

Technology:

- Advanced skills in Stata, R, and SurveyCTO
- Intermediate skills in Python, Nvivo, and Apache Superset
- Experience with SQL, Big Query, Tableau, and React Javascript

Activities: Ultimate Frisbee, Odissi dance, Debate, Grilling, Scuba diving, Hiking, Traveling

Work Authorizations: USA (Citizen), India (Overseas Citizen of India)