

## SUMMARY

Applied Economist and Researcher specializing in causal inference and experiment design. Experienced in designing large-scale decision systems for development, market and climate adaptation contexts. Published in top journals and collaborated with global institutions to translate research into scalable, data-driven policy and product solutions.

## SKILLS

Causal Inference • Experiment Design • Econometrics • Machine Learning • R • Python • Stata • Cross-functional Collaboration

## PROFESSIONAL EXPERIENCE

### Precision Development (PxD)

Postdoctoral Researcher & Research Collaborator

2021-2025

Instrumental in design and development of a **digital weather-forecast system** reaching **50,000+ farmers**, improving decision-making and climate resilience; secured external funding and designed randomized experiments, surveys, and A/B tests to evaluate adoption and inclusivity; demonstrated a **3x benefit-cost ratio** and translated empirical findings into product and policy design; **mentored research teams** and built reproducible data systems for large-scale studies.

### University of California, Berkeley

Postdoctoral Scholar, Graduate Student, Research & Teaching Assistant

2014-2021

**Gates Foundation-funded** postdoctoral research on women's self-help groups in India applying causal inference to show that institutional capacity strengthened **households' resilience to economic shocks**; dissertation research combined econometrics, and **financial and geospatial data** to provide the first empirical evidence that **informal lenders** in India borrow from formal banks to on-lend to rural borrowers; led teaching teams (12 graduate student instructors, 800+ students) and organized initiatives advancing diversity in economics in **academic leadership roles**.

### The World Bank

Consultant & Research Collaborator

2015-2019

Collaborated on an **8000-household randomized evaluation** of Bihar's rural livelihoods program (**>10 million beneficiaries**); led econometric analysis and co-authored a peer-reviewed publication informing policy design.

## EDUCATION

### University of California, Berkeley

Ph.D. in Agricultural and Resource Economics

Berkeley, CA

2020

### London School of Economics and Political Science

MSc. in Economics

London, United Kingdom

2012

### Indian Institute of Technology, Madras

5 year Integrated MA in Economics (Bachelors & Masters)

Chennai, India

2011

## SELECT PAPERS

"Relief from Usury: Impact of a Self-Help Group Lending Program in Rural India," with Vivian Hoffmann, Vijayendra Rao, Upamanyu Datta. *Journal of Development Economics*, 2021, Vol 148.

"The Moneylender as Middleman: Formal Credit Supply and Informal Loans in Rural India". *Revision requested, The Review of Financial Studies*.

"Risk Sharing, Commitment Constraints, and Self-Help Groups," with Orazio Attanasio, Anjini Kochar, Aprajit Mahajan. *NBER Working Paper No. 31245*.

"Weathering Climate Change: How Farmers Learn from Forecast Outcomes," with Shawn Cole, Tomoko Harigaya. *Working Paper*.