

# Parth Chawla

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Department of Agricultural and Resource Economics  
University of California, Davis  
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## ACADEMIC EXPERIENCE

2021 – Present Ph.D. in Agricultural & Resource Economics, University of California, Davis  
2018 – 2019 M.Sc. in Economics, Trinity College Dublin  
2014 – 2017 B.Sc. in Physics, Royal Holloway, University of London

## WORKING PAPERS

Barriga-Cabanillas, O., **Chawla, P.**, Redaelli, S. and Yoshida, N. 2023. “Updating Poverty in Afghanistan Using the SWIFT-Plus Methodology”. Policy Research Working Papers, 10616. World Bank, Washington, D.C.

## PROFESSIONAL EXPERIENCE

2023 – Present Consultant, The World Bank, Washington, D.C.  
- Consultant in the East Asia and Pacific Practice and the Poverty and Equity Global Practice. Key projects:  
• Report on firm productivity in Southeast Asia, focusing on the impact of skills and non-tariff barriers.  
• Poverty projections in Afghanistan using machine learning models.  
• Economic activity analysis in Afghanistan using nightlights data.

2023 – Present Graduate Student Researcher for Prof. J. Edward Taylor, UC Davis  
- Projects: Local economy-wide impacts of protected areas in Africa (World Bank project); Local economy-wide impacts of cash transfers to refugees (UNHCR project)

2022 Research Intern, United Nations Development Programme, New York, NY  
- Contributed to the 2021/22 Human Development Report.  
- Assisted in the data analysis and presentation of key human development statistics.

2022 RA to Prof. Yusuf Neggers, Ford School of Public Policy, Univ. of Michigan  
- Conducted empirical analysis for a paper using Stata.  
- Scraped millions of rows of publicly available Indian administrative data using Python, utilizing AWS for automation and a MySQL database for storage.

2019 – 2021 Research Associate, Evidence for Policy Design, Harvard Kennedy School  
- Executed 2 large-scale randomized control trials (RCTs) in 3 Indian states with US-based economists, leading a field team of 15 people.  
- Collaborated with government officials at the state and local levels to align objectives.  
- Developed Python data pipelines to scrape and process over 50 million rows of public data from government websites and APIs.

- Produced data visualizations and summary reports, and performed econometric analyses.
- Designed survey questionnaires for over 1000 government officials.
- 2018 Economics Intern, Koan Advisory, Delhi, India
- 2018 Teaching Fellow, Ashoka University, Sonipat, India

## **SELECTED RESEARCH IN PROGRESS**

“A Machine Learning Approach to Predicting Mexico-to-US Migration Using Panel Data”, with J. Edward Taylor

“Supply Chain Networks, Risk Sharing, and Resilience to Shocks Among Small Firms in Tanzania”, with Jess Rudder and Daniel Putnam

## **RESEARCH GRANTS**

- 2024 Giannini Foundation Mini-Grant, \$20,000 (with J. Edward Taylor)
- 2024 Henry A. Jastro Graduate Research Award, \$3,000

## **FELLOWSHIPS AND AWARDS**

- 2024 – 2025 Giannini Dissertation Fellowship (\$21,500)
- 2024 UC Davis ARE Summer Research Fellowship
- 2021 – 2024 UC Davis Nonresident Supplemental Tuition Fellowship
- 2021 – 2022 UC Davis Provost’s Fellowship (\$25,000 stipend)
- 2017 Royal Holloway Passport Award
- 2014 Royal Holloway International Excellence Scholarship (tuition waiver)

## **TEACHING EXPERIENCE**

- 2024 Main Instructor, Economic Development, UC Davis
- 2023 TA, Econometric Methods, UC Davis
- 2023 TA, Agricultural Labor, UC Davis
- 2022, 2024 TA, Intermediate Microeconomics, UC Davis
- 2018, 2019 TA, Math & Statistics for Economics, Trinity College Dublin

## **SERVICE**

Referee: Journal of Agriculture and Food Research

Other: Grad School Application Mentor (SACNAS at UC Davis)

## **BLOG ARTICLES**

“Government Intervention in India and Taiwan Affects Global Rice Markets” (with Tzu-Hui Chen), Ag Data News (2022)

## **SKILLS AND LANGUAGES**

**Programming:** Python, R, Stata, SQL/MySQL

**Tools:** AWS EC2/RDS, Git, Unix, Markdown, Shiny, SurveyCTO

**Languages:** English (Native/Bilingual), Hindi (Native/Bilingual), Korean (Beginner)

**Statistical Methods:** Econometrics, Regression Analysis, Causal Inference, Machine Learning