

# Parth Chawla

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

2021 – 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 – Consultant, The World Bank (Washington, D.C.)
  - Consultant in the East Asia and Pacific Practice, and the Poverty and Equity Global Practice.
  - Projects: Firm productivity and skills in Southeast Asia; Poverty projections in Afghanistan using machine learning; Change in economic activity in Afghanistan using nightlights data.
- 2023 – 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 (India)
  - 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 (Sonapat, India)

## **SELECTED RESEARCH IN PROGRESS**

“The Impact of Trade Credit on Productivity and Capital Misallocation Among Nonfarm Firms in Tanzania”, with Jess Rudder

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

## **RESEARCH GRANTS**

2024            Giannini Foundation Mini-Grant, \$20,000 (Co-PI)

## **FELLOWSHIPS AND AWARDS**

2024            UC Davis ARE Summer Research Fellowship

2021 – 2024   UC Davis Nonresident Supplemental Tuition Fellowship

2021 – 2022   UC Davis Provost’s Fellowship

2017            Royal Holloway Passport Award

2014            Royal Holloway International Excellence Scholarship

## **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, Shiny, AWS EC2/RDS, Git, Unix, Markdown,  $\LaTeX$ , SurveyCTO

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

**Skills:** Impact/policy evaluation, poverty measurement, experiment and survey design, econometrics, regression analysis, machine learning, causal inference, data visualization, database management, web scraping