

# Parth Chawla

---

Department of Agricultural and Resource Economics  
University of California, Davis  
One Shields Avenue, Davis, CA 95616

chawla@ucdavis.edu  
parthchawla.com

## 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

- 05/23-            Consultant, The World Bank (Washington, D.C.)
  - Consultant in the East Asia and Pacific, and Poverty and Equity Global Practice.
  - Projects: Estimate and project poverty in Afghanistan using ML methods; Firm productivity and technology in Southeast Asia.
- 06/23-12/23    Graduate Student Researcher for Prof. J. Edward Taylor, UC Davis
  - Creating R Shiny dashboards for a World Bank project with models for estimating local economy-wide impacts of protected areas in Africa.
- 07/22-09/22    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.
- 01/22-05/22    RA to Prof. Yusuf Negggers, 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.
- 06/19-05/21    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.
- 05/18-06/18    Economics Intern, Koan Advisory (Delhi, India)
- 01/18-05/18    Teaching Fellow, Ashoka University (Sonapat, India)

## 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

## 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 ASSISTANT EXPERIENCE

2024	Economic Development, UC Davis
2023	Econometric Methods, UC Davis
2023	Agricultural Labor, UC Davis
2022, 2024	Intermediate Microeconomics, UC Davis
2018, 2019	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