

# 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 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.
- 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 (Sonipat, 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