

Parth Chawla

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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 (\$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, Shiny, AWS EC2/RDS, Git, Unix, Markdown, L^AT_EX, 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