

# Parth Chawla

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Department of Agricultural and Resource Economics  
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## EDUCATION

- 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

- 2023    “Updating poverty in Afghanistan using the swift-plus methodology”, with Oscar Barriga-Cabanillas, Silvia Redaelli and Nobuo Yoshida (World Bank Policy Research WP)

## RESEARCH IN PROGRESS

- “Willingness-to-Pay to avoid tax exposure among small firms in Tanzania”, with Jess Rudder and Jovin Lasway
- “Predicting migration using machine learning”, with J. Edward Taylor

## PROFESSIONAL EXPERIENCE

- 05/23-            Consultant, The World Bank (Washington, D.C.)
  - Poverty and Equity Global Practice. Conducting data and empirical analysis for estimating and projecting poverty in Afghanistan and Pakistan.
- 06/23-            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)

## **AWARDS AND FELLOWSHIPS**

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

## **OTHER EXPERIENCE**

2023 Teaching Assistant, Econometric Methods, UC Davis

2023 Teaching Assistant, Agricultural Labor, UC Davis

2022 Teaching Assistant, Intermediate Microeconomics, UC Davis

2018-2019 Teaching Assistant, Math & Statistics for Economics, Trinity College Dublin

## **BLOG ARTICLES**

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

## **SKILLS AND LANGUAGES**

**Programming:** Python, SQL/MySQL, Stata, R, 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/survey design, econometrics, regression analysis, machine learning, causal inference, data visualization, pipelining, web scraping