

Radhika Goyal

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PROFESSIONAL SUMMARY

- Ph.D Economist specializing in applied econometrics and environmental topics
- Track record of managing delivery of a variety of high-quality outputs
- Experience in policy formulation and public sector consulting
- Proficient in causal inference techniques and designing experiments for A/B testing

EDUCATION

University of California, San Diego

2018 - March 2023 (Expected)

Ph.D. in Economics

Relevant Coursework: Applied Econometrics with focus on Public Finance, Environment, and Macroeconomics

Fellowships and Honors: Regents Fellowship (2018-2023), Harvard Weiss Grant for Development Economics 2020, Best Graduate Seminar Award (2020 and 2021)

University of Oxford, UK

MSc in Economics for Development, Distinction

2013

Relevant Coursework: Quantitative Economics, Risk, Financial Flows

Fellowships and Honors: Jesus College Open Scholarship, Webb-Medley Prize for Best Overall Performance

BA (Hons) in Economics and Management, First Class

2012

Relevant Coursework: Econometrics, Public Economics, Finance, Strategy, Mathematical Methods

Fellowships and Honors: Jesus College Open Scholarship

TECHNICAL STRENGTHS

Econometric Methods: Causal inference and Observational Data techniques like Linear Regression, Regression Discontinuity Design, Synthetic Controls, Fixed Effects, Instrumental variables, Difference-in-difference, and Propensity Score matching

Machine Learning Methods: Ridge Regression, Lasso Regression, Decision tree, Support Vector Machines, Neural Networks, Random Forests, Boosting

Surveys and Experiments

Programming Skills: Python, R, MATLAB, Stata, Arc-GIS, QGIS, SQL, Octave, Bloomberg, Haver Analytics

WORK EXPERIENCE

The World Bank, Washington DC

01/2017 - 06/2022

Disaster Risk Management Consultant, Climate Change Research and Advisory Unit

- Prepared models disciplined by household and agriculture datasets to inform climate policies.
- Awarded World Bank Certificate of Achievement for contribution to carbon pricing discussions.

The Foreign Policy Group, Washington DC

01/2017 - 08/2017

Head of Data and Analytics, Foreign Policy Analytics

- Managed a range of projects for clients from the private, public, and non-profit sectors to guide investment decisions, inform policy analysis, and enhance market trends forecasts.

Department of Economics, University of Chicago

03/2016 - 11/2016

Research Scientist, Energy Policy Institute of Chicago

- Assisted on a project to empirically estimate climate damages to social and economic outcomes.

The Brookings Institution, Washington DC

05/2015 - 03/2016

Research Analyst, Global Economy and Development

- Led project development, planning, grant application, and research design for projects for the Africa division.
- Responsible for regular policy briefings and press releases.

International Growth Centre (IGC), UK and Rwanda

09/2013 - 03/2015

Economist, Department of International Development, University of Oxford

- Coordinated the IGC research portfolio (budgeted around GBP 10 million) and supported country teams.
- Collaborated with multiple stakeholders and reported to donors on research strategy and impact.

Country Economist, Rwanda

- Managed data collection and analysis of multiple research projects on public finance and sustainable urbanization.
- Formulated and implemented the country strategy by engaging with policymakers on key policy issues.

Other relevant internships/part-time work experience:

- Center for Effective Global Action, University of California Berkeley, CA 2019-2021
- Harvard Kennedy School, Harvard University, MA 2020-2021
- Oxford Policy Management, Oxford, UK 2013
- PricewaterhouseCoopers LLP, India 2011
- J. P. Morgan Chase, London, UK 2010

ACADEMIC RESEARCH

Does Distance Matter: Building State Capacity by Reducing Remoteness

Estimated the impact of reducing distance to local government administration on provision of basic public amenities

- Compiled an original high-resolution data for 10000 villages spanning over 55 years
- Examined the contents of village records using Natural Language Processing tools such as NLTK
- Utilized a spectrum of software for data analysis, including QGIS, Python, R and Stata

Green Mobility: Environmental Impacts of Roads vs Railways in Sub-Saharan Africa

Investigated the impact of roads relative to the railways on industrial development and the environment

Evidence for Surplus Labor in the Traditional Sector

Studied impact of trade liberalization policies on labor markets in the traditional agriculture sector

Role of Public Policies in Mitigating Environmental Damages (with Sam Asher, Paul Novosad, and Teevrat Garg)

Quantifying the Importance of Tax Collection Capacity for Development (with Anders Jensen and David Lagakos)

Accountability, State Capacity, and Public Goods (with Samuel Bazzi, Filipe Campante, Quoc-Anh Do, Matthew Gudgeon, and Karthik Muralidharan)

Quantifying the Effects of Relaxing Credit Constraints on Urban-Rural Gaps (with Justin Abraham and Minki Kim)

Selected Published Work

- The Road to Recovery: The Role of Poverty in the Exposure, Vulnerability and Resilience to Floods in Accra, *Economics of Disasters and Climate Change*, Springer, vol. 4(1), pages 171-193, April 2020 (with Erman et al)
- State and Trends of Carbon Pricing 2018, *World Bank; Ecofys*, Washington, DC: World Bank.
- Agricultural Transformation in Tanzania: Linking Rural to Urban through Domestic Value Chains, in *Tanzania: The Path to Prosperity*, ed. Christopher S. Adam, Paul Collier, and Benno Ndulu (Oxford University Press, 2017). (with Douglas Gollin)
- Social protection for all ages? Impacts of Ethiopia's Productive Safety Net Program on child nutrition, *Social Science Medicine*. 2016 Jun. (with Catherine Porter)

OTHER INFORMATION

Languages: English (fluent), Hindi and Punjabi (native), French (research proficiency)