**Radhika Goyal**

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Github: https://github.com/radhikagoyal2july/

**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 - 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, Support Vector Machines, Neural Networks, Random Forests, Boosting

**Surveys and Experiments**

**Programming Skills:** MATLAB, Python, R, 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 the Africa division.

*·* Responsible for regular policy briefings and press releases.

**International Growth Centre (IGC), UK and Rwanda**  *08/2013 - 03/2015*

*Economist, Department of International Development, University of Oxford*

*·* Coordinated the IGC research portfolio (budgeted around GBP 10 million) and supported Tanzania and Ethiopia 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 the distance to local administration on the provision of 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 environment*

*·* **Evidence for Surplus Labor in the Traditional Sector**

*Explored trade liberalization policies to examine labor market effects in the traditional agriculture sector*

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

*·* Quantifying the Importance of Tax Collection Capacity for Development (with Anders Jensen, 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, 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), 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)