

Education

Northwestern University Ph.D. in Economics	2019– <i>present</i>
Northwestern University M.A. in Economics	2020
Colby College B.A. in Economics (<i>Honors & Distinction</i>) and Mathematical Science (<i>Distinction</i>), <i>Summa Cum Laude</i>	2017
Visit: University of Oxford (2015-16), Imperial Business School (2024)	

Job Market Paper

Political Implications of Trade Liberalization: Evidence from India (with Sebastian Järvvall and Roza Khoban)

Individual identity is strongly correlated with their economic outcomes. In societies where ethnicity and economic class largely overlap, marginalized groups face economic disadvantages. While trade theory and empirical evidence suggest that marginalized groups are more likely to support trade reforms, trade liberalization does not necessarily lead to an improvement in economic prosperity of marginalized groups in developing countries. This paper investigates how changes in the economic environment induced by trade liberalization affected voting behaviors and political representation of marginalized groups in India. Using exogenous variation in tariff reductions during India's trade liberalization in the 1990s and constructing a novel match between politicians and social communities in India, we show that the trade reform significantly shaped both the economic structures and political power dynamics. In particular, we first find that trade liberalization did not lead to an increase in total earnings nor decline in unemployment rate among workers from marginalized groups. We then document that increased exposure to import competition had positive impacts on the vote share and political representation of marginalized groups. We show the suggestive evidence that trade liberalization induced the rise of identity politics.

Working Papers

Harnessing Satellite Data to Improve Social Assistance Targeting in the Eastern Caribbean (with Sophia Chen, Flavien Moreau, and Joana Pereira)

Prioritizing populations most in need of social assistance is an important policy decision. In the Eastern Caribbean, social assistance targeting is constrained by limited data and the need for rapid support in times of large economic and natural disaster shocks. We leverage recent advances in machine learning and satellite imagery processing to propose an implementable strategy in the face of these constraints. We show that local well-being can be predicted with high accuracy in the Eastern Caribbean region using satellite data and that such predictions can be used to improve targeting by reducing aggregation bias, better allocating resources across areas, and proxying for information difficult to verify.

Political (Mis)selection: The Role of Historical Institutions (with Shubhro Bhattacharya and Utsav Manjeer)

Is there a persistent impact of historical institutions on the selection of “bad” politicians? In this paper, we document the nuanced consequences of history on modern adverse political selection using variations in colonial land tenure systems during British rule in India. Politicians with criminal charges are significantly more likely to run for office, and win elections, in areas where extractive landlords historically held substantial property rights. Corrupt politicians who experience disproportionately large private financial gains in office, however, are significantly more likely to be in areas where individual cultivators historically held property rights. Our analysis establishes that these estimates are not biased by endogeneity concerns. Rather, a plausible mechanism indicates a comparative advantage for criminal politicians in the conflictual electoral environment of landlord areas. The relatively less competitive elections in non-landlord areas, instead, are susceptible to elite capture and subsequent wealth accumulation via corporate connections by politicians.

Publications

Development Research at High Geographic Resolution: An Analysis of Night Lights, Firms, and Poverty in India Using the SHRUG Open Data Platform (with Sam Asher, Toby Lunt, and Paul Novosad), *World Bank Economic Review* (2021)

Shifted Baselines Reduce Willingness to Pay for Conservation (with Loren McClenachan, Shah Payal, and Sahan Dissanayake), *Frontiers in Marine Science* (2018)

Work in Progress

Market Integration and Cost of Borders in Africa (with Robin Burgess, Ameet Morjaria, and Gerard Padró i Miquel)

Weather Shocks and Production Outcomes of Firms in Uganda (with Anton Reinicke and Yasuka Tateishi)

Research Experience

International Monetary Fund	2023
Summer Intern in Western Hemisphere Department	
Northwestern University	2022-2023
Research Assistant for Professor Ameet Morjaria	
Development Data Lab	2017-2019
Research Associate	

Teaching Experience

Northwestern University	
Introduction to Microeconomics	2023
Colby College	
Statistics for Economics	2017
Microeconomic Theory	2015

Presentations

2024	4 th Early Career Workshop in Quantitative Political Economy, 6 th QMUL Economics and Finance Workshop for PhD & Post-doctoral Students, Lewis Lab Graduate Student Workshop
2023	Pathways to Development Conference
2022	Society for Institutional & Organizational Economics, European Meeting of Urban Economics Association, Infra4Dev Conference
2017	Maine Economic Conference
2016	Heartland Environmental and Resource Economic Workshop

Grants, Scholarship, & Awards

2023	Weiss Fund, with Anton Reinicke and Yasuka Tateishi (\$10,000) International Growth Centre Small Research Grant, with Anton Reinicke and Yasuka Tateishi (£6,000) Private Enterprise Development in Low-Income Countries Exploratory Research Grant, with Anton Reinicke and Yasuka Tateishi (£10,000)
2021-2024	Japan Student Service Organization Scholarship
2019-2021	Japan-IMF Scholarship
2017	Breckenridge Prize (highest GPA among senior economic majors) Phi Beta Kappa (top 9% of senior class)
2016	Economics Department Prize for Junior with Highest GPA Leslie Dougherty Biddle '89 and George Biddle Fund for International Service Learning, Internships, and Research

Refereeing

World Bank Economic Review

Skills

Programming:	Python (advanced), R (intermediate), SQL (beginner), HTLM/CCS (beginner)
Software:	MATLAB (advanced), Stata (advanced), QGIS (advanced)
Tools:	Git/Github, Unit Shell, VS Code, Google Maps API, OpenAI API, Microsoft Office

Professional Activities

2020-2023	Northwestern University Economics Ph.D. Mentorship Program
2021	Northwestern University Development Lunch Seminar Organizer