

Ishan Brownell Nath

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EMPLOYMENT AND EDUCATION

Federal Reserve Bank of San Francisco	2022 –
Economist	Summer 2021
Visiting Scholar	
Princeton University	
Postdoctoral Fellow – International Economics Section	2021 – 2022
University of Chicago	
Postdoctoral Scholar (pre-job market) – Economics, EPIC, and Climate Impact Lab	2019 – 2021
PhD in Economics	2014 – 2019
Oxford University	
MPhil in Economics	2012 – 2014
Stanford University	
B.A. in Economics, B.S. in Earth Systems (with Honors & Distinction)	2008 – 2012

WORKING PAPERS

“Climate Change, the Food Problem, and the Challenge of Adaptation through Sectoral Reallocation” – earlier version as *NBER Working Paper 27297*

“A Global View of Creative Destruction,” (with Chang-Tai Hsieh and Pete Klenow) - *NBER Working Paper 26461*

Revise-and-Resubmit at the *Journal of Political Economy: Macroeconomics*

“Do Renewable Portfolio Standards Deliver Cost-Effective Carbon Abatement?” (with Michael Greenstone)

Revise-and-Resubmit at the *Journal of Political Economy: Microeconomics*

“Will the ‘Corn Belt’ Persist? The Optimizing Farmer and the Welfare Consequences of Climate Change” (with Michael Greenstone and Arvid Viaene)

“Estimating the Global Impact of Climate Change on Staple Crops Accounting for Adaptation” (with the Climate Impact Lab)

WORK-IN-PROGRESS

“The Welfare Economics of a Data-Driven Social Cost of Carbon” (with the Climate Impact Lab)

“Agriculture, Trade, and the Spatial Efficiency of Global Water Use” (with Tamma Carleton and Levi Crews)

“How Much Will Global Warming Cool Global Growth?” (with Pete Klenow and Valerie Ramey)

“Retailer Market Power During Natural Disasters: Empirical Evidence and Policy Implications” (with Nadia Lucas, Johanna Rayl, and Becky Scurlock)

“Does Eating Local Reduce Emissions?” (with Levi Crews)

“Labor Supply in a Warmer World: The Impact of Climate Change on the Global Workforce” (with the Climate Impact Lab)

PUBLICATIONS

Tamma Carleton, Amir Jina, Michael Delgado, Michael Greenstone, Trevor Houser, Solomon Hsiang, Andrew Hultgren, Robert Kopp, Kelly McCusker, James Rising, Ashwin Rode, Hee Kwon Seo, Arvid Viaene, Jiacan Yuan, and Alice Tianbo Zhang, "Valuing the Global Mortality Consequences of Climate Change Accounting for Adaptation Costs and Benefits," *Quarterly Journal of Economics* (forthcoming)
(First two authors listed out of alphabetical order to indicate project leadership)

Ashwin Rode, Tamma Carleton, Michael Delgado, Michael Greenstone, Trevor Houser, Solomon Hsiang, Andrew Hultgren, Amir Jina, Robert Kopp, Kelly McCusker, Ishan Nath, James Rising, and Jiacan Yuan.
"Estimating a social cost of carbon for global energy consumption." *Nature* 598, 308-314 (2021).
(First author listed out of alphabetical order to indicate project leadership)

POLICY PUBLICATIONS

"Put a Price on It: The How and Why of Pricing Carbon." (with Michael Greenstone). Book Chapter in *U.S. Energy & Climate Roadmap: Evidence-based Policies for Effective Action*, Energy Policy Institute at the University of Chicago, 2021.

"Fueling Technology Deployment with a Clean Electricity Standard." (with Michael Greenstone). Book Chapter in *U.S. Energy & Climate Roadmap: Evidence-based Policies for Effective Action*, Energy Policy Institute at the University of Chicago, 2021.

"Economic Perspectives on Liability & Insurance." *National Commission on the BP Deepwater Horizon Oil Spill and Offshore Drilling Staff Working Paper*, 2011.

AWARDS

Rhodes Scholarship	2012
John G. Sobieski Undergraduate Thesis Award for Creative Thinking in Economics	2012
Stanford School of Earth Sciences Dean's Award for Undergraduate Academic Achievement	2012
Harry S. Truman Scholarship	2011
Morris K. Udall Scholarship	2011

OTHER ACTIVITIES AND PREVIOUS EMPLOYMENT

Technical Contributor, U.S. National Climate Assessment	2022
Consultant, The World Bank	2022
Researcher, Climate Impact Lab	2015 –
Consultant, Open Philanthropy Project	2021 –
Research Assistant, EPIC India, New Delhi	2016
Research Assistant to Chang-Tai Hsieh, University of Chicago	2015 – 2016
Research Assistant to Michael Greenstone, MIT	2012 – 2013
Research Assistant to Melissa Dell, Harvard University	2012 – 2013
Intern – United States Department of the Treasury, Economic Policy Office	2012
Consultant – Environmental Defense Fund	2012
Intern – White House Office of the Vice President, Economic Policy Office	2011
Research Assistant to Lawrence Goulder, Stanford University	2011
Senior Consultant – National Commission on the BP Deepwater Horizon Oil Spill	2010
Intern – The Carter Center	2010
7 th Grade Environmental Science Teacher – Breakthrough Collaborative	2009

TEACHING EXPERIENCE

Teaching Assistant	
Graduate Public Finance / Energy & Environmental Economics (for Michael Greenstone)	2017
Graduate Public Finance (for Owen Zidar, Eric Zwick, Seth Zimmerman, & Neale Mahoney)	2017
Undergraduate "Global Energy & Climate Challenge" (for Michael Greenstone & John Deutch)	2017
Undergraduate "Economics for Everyone" (for Steve Levitt & John List)	2017

PROFESSIONAL SERVICE

Referee: *Econometrica*, *Journal of Political Economy*, *American Economic Review*, *American Economic Review: Insights*, *American Economic Journal: Economic Policy*, *Review of Economics and Statistics*, *Journal of International Economics*, *Journal of Public Economics*, *Environment and Development Economics*, *Journal of Econometrics*, *Quantitative Economics*, *Journal of the Association of Environmental and Resource Economists*, *Nature Climate Change*, *Nature Communications*, *Proceedings of the National Academy of Sciences*, *Climate and Development*, *Earth's Future*, *The Energy Journal*, *IZA World of Labor*

SEMINAR AND CONFERENCE PRESENTATIONS (including scheduled)

- 2022:** UC Berkeley ARE, NBER Energy & Environment Spring Meeting, CAF Latin American Development Bank, Hitotsubashi University, SED (Society for Economic Dynamics) Climate Macroeconomics Session, BFI Macro Finance Research Program Confronting Uncertainty in Climate Change Conference, Coase Project Conference, GTAP Annual Conference on Global Economic Analysis, Princeton (Macro Lunch), Princeton (Junior Informal Labor Group), Fed Junior Applied Micro Group, UPenn Development Research Initiative Conference on Climate Change and the Environment, Griffin Applied Economics Counting the Costs & Addressing the Impacts of Climate Change Conference, NYU Institute for Policy Integrity Justice40 and Equitable Deep Decarbonization Workshop, Kearney Sustainability in Action Summit, NBER International Trade and Investment Summer Institute (Discussant), Online Spatial and Urban Seminar (Discussant)
- 2021:** Federal Reserve Bank of San Francisco; Federal Reserve Bank of New York; Federal Reserve Board of Governors; Federal Reserve Bank of Dallas; University of British Columbia (VSE); Princeton (Trade); Princeton (Junior Informal Labor Group); UPenn Wharton; Cornell Dyson; University of Illinois Center for Climate, Regional, Environmental, and Trade Economics; Federal Reserve Bank of San Francisco Virtual Climate Seminar; NBER Risks in Agricultural Supply Chains; NBER Energy & Environment Summer Institute Egg-Timer; Online Summer Workshop in Energy, Environment, and Transportation (OSWEET); Virtual Workshop on Trade, Spatial Economics, and the Environment; World Bank Sustainable Development Group; RIDGE Workshop on International Trade/Growth and Development in Macroeconomics; Center for Strategic and International Studies Energy Futures Forum; University of Maryland AREC (Course Guest Lecture); Society for Financial Studies Cavalcade (Discussant); Western Economics Association International Conference (Discussant); IMF Climate Related Natural Disasters: Macroeconomic Effects and Policy Responses (Discussant)
- 2020:** NBER Agricultural Markets and Trade Policy; UCLA Climate Adaptation Research Symposium; UC Berkeley Clausen Center & Peterson Institute for International Economics Conference on Macroeconomic Implications of Trade Policies; University of Chicago Becker Applied Economics Seminar; University of Chicago Development Lunch
- 2019:** NBER Energy & Environment Summer Institute Egg-Timer; Columbia University Young Economists Symposium; University of Chicago EPIC Lunch
- Prior:** University of Chicago Development Lunch, Student Applied Micro Lunch, and Energy and Environment Lunch and Learn; Delhi University St. Stephen's College; Stanford University School of Earth Sciences