

Faraz Hayat

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EDUCATION

University of Chicago <i>Ph.D. in Economics</i>	Chicago, Illinois 2016 – 2022
University of Chicago <i>M.A. in Economics</i>	Chicago, Illinois 2016 – 2018
Swarthmore College <i>B.A. in Mathematics (Honors) and Economics (Honors)</i>	Swarthmore, Pennsylvania 2010 – 2014

RESEARCH EXPERIENCE

International Growth Center <i>Postdoctoral Researcher</i>	Lahore, Pakistan February 2023 – Present
- Develop an energy, environment, and climate change research agenda for Pakistan - Lead stakeholder engagement with policymakers to advance research and policy: - Designed and implemented experimental studies costing GBP 300k with a major electric utility (LESCO) to evaluate the return on investment and welfare effects of anti-theft technologies, financial incentives, and enhanced audits - Built capacity at Punjab Environment Protection Department by training staff and developing a USD 700k proposal for piloting a Cap-and-Trade market in Lahore, which has been approved by the government - Led and facilitated policy workshops on energy reform in Pakistan, engaging federal ministers and senior bureaucrats	
Energy Policy Institute at University of Chicago <i>Research Assistant</i>	Chicago, Illinois July 2014 – June 2016
- Used Stata, Python, and R to clean and analyze large microdata sources—including PSID, CPS, OEWS, and IPUMS—and implemented econometric methods such as event studies and regression discontinuity designs for papers published in top academic journals - A select few of the papers are: - Adapting to Climate Change: The Remarkable Decline in the U.S. Temperature-Mortality - The Local Economic and Welfare Consequences of Hydraulic Fracturing - New Evidence on the Impact of Sustained Exposure to Air Pollution on Life Expectancy From China's Huai River Policy	

CONSULTANCY EXPERIENCE

Ministry of Energy and Federal Board of Revenue <i>External Advisor</i>	Chicago, Illinois; Islamabad, Pakistan January 2019 – Present
- Led a quasi-experimental study using firm-level transaction filings to quantify the effect of energy subsidies on export productivity; results were presented to the Prime Minister and Cabinet, directly supporting the phase out of USD 300 million in subsidies - Led an experimental study with the Federal Board of Revenue (FBR) comparing its Customs risk management system with AI-driven alternatives; insights guided annual procurement decisions exceeding USD 2 million - Developed and deployed a randomized internal audit system for FBR, uncovering critical deficiencies in the Customs Risk Management System (RMS); presented findings to the Prime Minister and Cabinet, directly influencing national policy reforms to upgrade RMS infrastructure	

SKILLS, LANGUAGES, AND INTERESTS

Languages	English, Urdu
Software	STATA, R, Python, SQL, ArcGIS, LATEX
Interests	Squash, Reading books on Math