

# DEVIKA LAKHOTE

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## EDUCATION

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- Ph.D. Public Policy Analysis | University of Chicago | Chicago, IL** Expected June 2023  
Funded by the Pearson Institute Scholarship for research on conflict resolution
- B.A. Economics | St. Xavier's College (with distinction) | Mumbai, India** April 2015  
Won scholarship for 2<sup>nd</sup>-highest score in the state; Studied abroad at Yale University

## SOFTWARE SKILLS

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Statistical software: **R** (Advanced), **Stata** (Advanced), **MATLAB** (Advanced)  
Programming languages: **Python** (Intermediate), **SQL** (Basic)  
Programming tools: **Git**, **Jupyter**, **VS Code**, **Markdown**, **Latex**

## DATA SCIENCE AND RESEARCH EXPERIENCE

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- Harris School of Public Policy, University of Chicago | Chicago, IL** August 2018 – Present  
Doctoral Researcher
- Estimated signals of religious identity to neighbors using food expenditure data from 100,000 consumers
  - Implemented a regression discontinuity design in R to evaluate a billion-dollar infrastructure fund and quantify its long-term impacts on targeted populations
  - Extracted novel data on 500,000 water supply projects (with Beautiful Soup and Selenium) to study the effect of household water access on women's health and employment using instrumental variables
  - Visualized heterogeneity analysis of the COVID-19 economic crisis using real-time nationwide data for a leading newspaper (The Indian Express) with a readership of over 300,000
  - Taught cutting-edge econometrics to over 200 Booth MBAs, PhDs and MAs and communicated detailed feedback on their work
- Dept. of Economics, Stanford University | Palo Alto, CA** August 2016 – August 2018  
Pre-doctoral Researcher
- Modeled the social network behavior of millions of Indonesian Twitter users in response to experimental variation in information about vaccinations
  - Constructed a Bayesian model in MATLAB and applied it to experimental data from India and Mexico
  - Monitored and analyzed real-time data from a large-scale experiment on demonetization in India
  - Analyzed behavioral responses to rigorous experimentation using random forest algorithms, double-post LASSO, spatial modeling, structural estimation, etc. across Americas, Asia, and Africa

## COLLABORATION AND LEADERSHIP EXPERIENCE

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- Poverty Action Lab (J-PAL) | Bangalore, India** April 2015 – August 2016  
Research Associate
- Led and trained a team of 30 surveyors to collect extensive data across 50,000 households in India
  - Co-designed and tested experiments to study financial and information networks in 25k Indian households
  - Collaborated with a team of 4 researchers to conduct multiple experiments, monitor data, analyze patterns
  - Managed workflow and maintained communication between researchers, donors, admin depts., survey staff for 4-6 projects at a time
- Haiyya | Mumbai, India** January 2012 – August 2013  
Finance and Operations Associate
- Handled all finances, logistics, events, and operations to run 2 community organizer fellowships
  - Brainstormed and implemented public safety solutions in 4 neighborhoods with a team of 2 dozen citizens