

## Lalit Sethia

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Webpage: [Website](#) / [LinkedIn](#)

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International economist with expertise in empirical and quantitative research. Experienced in causal and statistical inference, structural modeling, technical writing, with additional skills in healthcare and financial analysis.

### Professional Experience

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*Doctoral candidate*, Department of Economics, **Boston University** (2016-present)

- Executed end-to-end projects in international economics, and macroeconomics, including research design, data collection, empirical analysis, and result interpretation.
- Applied causal inference methods in quasi-experimental settings including diff-in-diff, and instrumental variable.
- Developed and validated structural models of economic behavior to simulate changes in policies and technologies and predict changes in key economic outcomes.
- Quantified the impact of travel-costs on international trade using novel data and model and showed that easier access to visas can increase trade between EU and China by 1.3% and EU output by 0.43%.
- Identified a robust positive relationship between firm-size and information technology adoption using a unique factory-level panel data on computer and software equipment in India.
- Advanced training in demand estimation with discrete choice models, and forecasting using time-series methods.

*Teaching fellow*, Center for Data Science/Department of Economics, **Boston University** (2017-2018, 2021-present)

- Designed and delivered lectures for 3+ years on linear algebra, probability theory, optimization methods, and statistics and econometrics to over 500 students.
- Introduced fundamental concepts and tools in data science including GLMs, PCA, clustering, neural networks.
- Taught programming with Jupyter for Python, RMarkdown for R, and Stata for data processing and visualization, and econometric analysis.

*Short term consultant*, **World Bank, Washington D.C.** (Summer 2019)

- Proposed a new measurement of poverty using realistic household demand to account for non-food consumption; highlighted the relevance of price index with simulations.

*Investment Banking analyst/associate*, **UBS-Verity Knowledge Solutions, India** (2011-2014)

- Created detailed pitch decks for M&A advisory for the global healthcare markets, including market research, firm valuations, target screening, and due diligence; assisted the team that closed the \$7.3bn Coventry-Aetna merger.
- Communicated with clients, delivered on tight timelines, coordinated with team members, and mentored juniors.

### Education

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**Ph.D. (Economics)**, Boston University, 2024 (Expected in December)

- Graduate student fellowship (2016-2022)

**M.Sc. (Quantitative Economics)**, Indian Statistical Institute (New Delhi, India), 2016

- First class with distinction (76%); Merit scholarship (2015, top 5 position in the cohort).

**B.Tech. (Biotechnology)**, National Institute of Technology (Warangal, India), 2011

- First class with distinction (8.46/10); Indian Academy of Science Summer Fellowship (2010)

### Technical skills

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- **Scripting languages and statistical packages:** Python, R, MATLAB, and Stata. Version control with GitHub.
- **Documenting:** LaTeX, Markdown, MS word and PowerPoint.
- **Project management:** Trello, Slack.