Advik Shreekumar

Curriculum Vitae
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Education

2019–	**Ph.D. Student in Economics** Massachusetts Institute of Technology (MIT) Major fields: political economy, econometrics Minor fields: labor, behavioral
2012–16	**A.B. in Statistics,** *summa cum laude* Harvard University Thesis: Gaussian process and hidden Markov models for student absences in a large school district.

Publications

1. When Guidance Changes: Government Stances and Public Beliefs, with Charlie Rafkin and Pierre-Luc Vautrey. Accepted, *Journal of Public Economics*.

Research Grants

2020	Russell Sage Foundation Small Grant in Computational Social Sciences with Charlie Rafkin and Pierre-Luc Vautrey
2020	George and Obie Shultz Fund at MIT with Charlie Rafkin and Pierre-Luc Vautrey
2013	Program for Research in Science and Engineering

Research Experience

2018-19	Profs. Sendhil Mullainathan, Jens Ludwig, and Jann Spiess A machine learning approach for multiple hypothesis testing.
2018-19	Profs. Sendhil Mullainathan and Ziad Obermeyer Behavioral biases in emergency room physician decisions.
2015	Prof. Todd Rogers and John Ternovski Familial trends in student absences.
2013	Prof. Rudolph Tanzi and Dr. Se Hoon Choi Antibiotic properties of the Alzheimer's-linked amyloid β protein.

Academic Honors (Selected)

2019	National Science Foundation Graduate Research Fellowship
2016	Phi Beta Kappa
2015	John Harvard Scholar

Teaching

2021	**14.385: Nonlinear Econometrics (PhD)** Teaching Assistant: section, office hours, grading
	14.32: Econometric Data Science (undergrad) Teaching Assistant: section, office hours, grading
2016	**Stat 111: Introduction to Theoretical Statistics** Teaching Assistant: section, office hours, grading Derek Bok Certificate of Distinction in Teaching
2015	**Stat 110: Introduction to Probability** Group tutoring
2015	**Stat 111: Introduction to Theoretical Statistics** Course Assistant: office hours, grading
2014	**Stat 110: Introduction to Probability** Tutoring

Professional Activity & Service

Referee: AER: *Insights*

Talks

2017	**Modeling EITC and SNAP Participation Rates with ACS PUMS [Link]** ACS Data Users Conference, Washington, DC with Ola Topczewska and Kelly Kreft
2017	**Using Data to Close the SNAP and EITC Participation Gap in NYC [Link]** ChiHackNight, Chicago, IL with Ola Topczewska and Kelly Kreft
2017	**Fighting Poverty with Data Science** Princeton University Data@ Series, Princeton, NJ with Scarlett Swerdlow

Industry Experience

2016–18	Applied Data Scientist, Civis Analytics

Skills

Programming	R, Stan, SQL, Python, bash, SAS
Software & Tools	LaTeX, git, Qualtrics, make, Tableau