

Advik Shreekumar

Curriculum Vitae

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 adviksh.com

 adviks@mit.edu  github.com/adviksh  twitter.com/adviksh

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. *Journal of Public Economics*, April 2021.

Working Papers

1. [Managing Emotions: The Effects of Online Mindfulness Meditation on Mental Health and Economic Behavior](#), with Pierre-Luc Vautrey.

Research Grants

- 2020 Russell Sage Foundation Small Grant in Computational Social Sciences
with Charlie Rafkin and Pierre-Luc Vautrey

Research Experience

- 2018-19 Profs. Sendhil Mullainathan, Jens Ludwig, and Jann Spiess
A machine learning approach for multiple hypothesis testing. [[R Package](#)]
- 2018-19 Profs. Sendhil Mullainathan and Ziad Obermeyer
Behavioral biases in emergency room physician decisions. [[Link](#)]
- 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