Advik Shreekumar

Curriculum Vitae
February 13, 2026

Postdoctoral Scholar (2025–current)
Center for Healthcare Marketplace Innovation
University of California Berkeley

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Education

2019–25 Ph.D. in Economics
Massachusetts Institute of Technology
Thesis: "Healthy Behavior: Essays in Health and Behavioral Economics"
Committee: Frank Schilbach, Sendhil Mullainathan, Ashesh Rambachan, Amy Finkelstein

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

Rafkin, Charlie, Advik Shreekumar, and Pierre-Luc Vautrey (2021). "When guidance changes: Government stances and public beliefs". In: *Journal of Public Economics* 196, p. 104319.

Workshop Papers

Quintero, Manuel, William T. Stephenson, Advik Shreekumar, and Tamara Broderick (2024). "Common Functional Decompositions Can Mis-attribute Differences in Outcomes Between Populations". In: NeurIPS ATTRIB Workshop.

Working Papers

Shreekumar, Advik (2025). "X-raying Experts: Decomposing Systematic Mistakes in Radiology".
Shreekumar, Advik and Pierre-Luc Vautrey (2025). "Managing Emotions: The Effects of Online Mindfulness Meditation on Mental Health and Economic Behavior".

Conference Presentations

2022 SITE (Psychology and Economics), Stanford University
2022 Early Career Behavioral Economics, briq Institute
2022 Advances with Field Experiments, University of Chicago

Academic Honors & Awards

2020 Russell Sage Foundation Small Grant in Computational Social Sciences
with Charlie Rafkin and Pierre-Luc Vautrey
2019–24 National Science Foundation Graduate Research Fellowship
2016 Phi Beta Kappa
2016 Derek Bok Certificate of Distinction in Teaching
2015 John Harvard Scholar

Teaching Experience

Teaching Assistance

2025	14.386: Algorithms and Behavioral Science (MIT PhD)
2024	14.30: Introduction to Statistical Methods in Economics (MIT undergrad)
2021	14.385: Nonlinear Econometrics (MIT PhD)
	14.32: Econometric Data Science (MIT undergrad)
2016	Stat 111: Introduction to Theoretical Statistics (Harvard undergrad)

Tutoring

2023	14.382: Econometrics (MIT PhD)
2015	Stat 110: Introduction to Probability (Harvard undergrad) Stat 131: Time Series and Prediction (Harvard undergrad)
2015	Stat 111: Introduction to Theoretical Statistics (Harvard undergrad)
2014	Stat 110: Introduction to Probability (Harvard undergrad)

Professional Activity & Service

Referee: *AER: Insights, Journal of the European Economic Association, Journal of Public Economics, Journal of Development Economics*

Mentorship: *MIT Application Assistance and Mentorship Program (2022, 2023)*

Talks

2017	Modeling EITC and SNAP Participation Rates with ACS PUMS 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 ChiHackNight, Chicago, IL with Ola Topczewska and Kelly Kreft
2017	Fighting Poverty with Data Science Princeton University Data@ Series, Princeton, NJ with Scarlett Swerdlow

Work Experience

2018–19	Research Analyst, University of Chicago Urban Labs
2016–18	Applied Data Scientist, Civis Analytics

Research Assistance

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.