

Soubhik Barari

Education

- 2018– **Harvard University**, Ph.D. in Political Science.
Substantive areas: political communication, local politics, media.
Methodological areas: causal inference, machine learning, text-as-data, video-as-data.
- 2018– **Harvard University**, A.M. in Statistics.
- 2012–2016 **Tufts University**, B.S. in Mathematics & Computer Science.

Research

Working Papers

2. “Measuring Government Transparency at Scale using Hierarchical Website Classification” (with F. Daniel Hidalgo).
1. “Trade Liberalization and Regime Type: Evidence from a New Tariff-line Dataset” (with In Song Kim and Weihuang Wong).

In Progress

2. “Mapping Media Audiences and Political Content on YouTube”.
1. “Representation and Participation in U.S. Local Politics: Evidence from 40,000 Public Meeting Videos” (with Tyler Simko).

Invited Presentations

- Feb 2019 Social Science Foo Camp, Facebook HQ, “Deepfakes and Political Persuasion” (with Kevin Munger and Christopher Lucas).
- Jul 2018 Society for Political Methodology, Annual Meeting, Brigham Young University. “Measuring Government Transparency at Scale using Hierarchical Website Classification” (with F. Daniel Hidalgo).
- Nov 2017 International Political Economy Society (IPES), Annual Meeting, University of Texas at Austin. “Uneven Effects of Democratization on Trade Policy across Products” (with In Song Kim and Weihuang Wong).

Software

- R packages “`cjoint` : AMCE Estimator for Conjoint Experiments.” (with Elissa Berwick, Jens Hainmueller, Daniel Hopkins, Sean Liu, Teppei Yamamoto).

Teaching

- Aug 2018 SAGE Research Methods: Data Science, Big Data Analytics and Digital Methods. “Deep Learning in Python.” Online Course Instructor.
- Feb 2018 MIT Political Science Methods Workshop. “Introduction to Data Science and Python.” Instructor.

- 2017–2018 MIT Political Science Methods Workshop. “R-Based High Performance Computing for Social Science.” Instructor.
- 2017–2018 MIT Political Science Methods Workshop. “Introduction to Python and Web Scraping.” Instructor.

Professional Experience

- 2016–2018 **MIT Political Methodology Lab**, *Computational & Statistical Research Specialist*.
- 2015–2016 **MIT Haystack Observatory**, *Summer Research Affiliate*.
- 2013–2014 **Tufts Center for Engineering Education & Outreach**, *Software Developer*.
- 2013 **KAYAK**, *Software Engineering Intern*.

Fellowships & Awards

- 2017 Amazon Web Services (AWS) Cloud Credits for Research Program – \$4,500
- 2016 TEDxTufts Speakership
- 2016 Eric & Wendy Schmidt Data Science for Social Good Fellowship (declined)
- 2015 Microsoft Coding Competition @ Tufts 1st Place

Technical Skills

- Languages Python, R, SQL, JavaScript, C/C++
- Frameworks Hadoop, Spark, Scikit-learn, Scikit-image, D3.js, Stan, Keras, TensorFlow, NetworkX, Gephi, R Shiny