

Nicholas J. Adams-Cohen

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EDUCATION

California Institute of Technology

Ph.D. in Social Science

Pasadena, CA

Sept. 2014 – June 2019

Stanford University

M.I.P. in International Political Economy

Palo Alto, CA

Sept. 2012 – June 2014

University of California, Santa Barbara

B.A. in Political Science

Santa Barbara, CA

July 2007 – June 2011

EXPERIENCE

Postdoctoral Research Fellow

Immigration Policy Lab

Stanford University

July 2019 – Present

- Design, improve, and apply machine learning and matching methodologies to improve immigration policy.
- Partner with government agencies, including those in the United States, Canada, Norway, and Switzerland.
- Travel internationally to engage with government stakeholders, presenting findings and proposing policies.

Project Lead

Anandkumar-Alvarez Trustworthy Social Media Research Group

Caltech

July 2019 – Present

- Manage research projects that aim to improve social media environments utilizing advanced AI and NLP methods.
- Produce papers presented in NuerIPS AI for Social Good, ICML WIML, Polmeth, and APSA conferences.

Graduate Research Assistant

Caltech-MIT Voting Technology Project

Caltech

Sept. 2016 – May 2018

- Collaborated with Southern California local government registrars to audit the 2018 election process.
- Employed statistical forensics, social media analysis, and survey methods to safeguard election integrity.
- Expanded work into the book *Securing American Elections* published by Cambridge University Press.

PROJECTS

GeoMatch | *R, Python*

July 2019 – Present

- Develop and fine-tune ensemble supervised learning models to predict outcomes for migrants and refugees.
- Run counterfactual analyses to identify locations that maximize immigrant economic success.
- Engage in large-scale A/B tests with government agencies to evaluate and implement GeoMatch software.

Monitoring the Election | *R, Python, SQL, Javascript, HTML/CSS*

Sept. 2017 – Present

- Collect, store, and analyze terabytes of tweets during three United States election cycles.
- Process streaming data with Google Cloud Computing, visualizing data trends in an interactive web interface.

Dynamic Keyword Monitor | *Python*

Sept. 2019 – Present

- Map streaming social media data to GloVe embeddings to identify emerging conversation topics.
- Combine unsupervised learning and forecasting models to track shifting trends in online discourse.

SELECT PUBLICATIONS

Securing American Elections: How Data-Driven Election Monitoring Can Improve Our Democracy

Book published by Cambridge University Press, 2020

Policy Change and Public Opinion: Measuring Shifting Political Sentiment With Social Media Data

Article published in American Politics Research, 2020

Leveraging the Power of Place: A Data-Driven Decision Helper to Improve Immigrant Outcomes

Article under review at Management Sciences

EXPERTISE

Substantive Areas: Election Integrity · Polarization · Immigration Policy · Supreme Courts · Political Economy

Methods: Causal Inference · Observational Studies · Surveys · Machine Learning · Sentiment Analysis · Topic Models

Programming Languages: R · Python · SQL · HTML/CSS · Javascript · STATA