

Annie Y. Chen

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Data Analysis Experience

DATA SCIENTIST, *Sept. 2021 -*
CUNY INSTITUTE FOR LOCAL AND STATE GOVERNANCE

- Validate, normalize, merge, restructure, and clean data to support the [study](#) of officer legal compliance in police-citizen encounters using body-worn camera data
- Develop bespoke statistical models to link administrative records across multiple sources.
- Build pipeline to extract publicly-available policing data on NYC Open-Data and generate metrics to evaluate the implementation of the [NYPD Reform Plan](#) through a dashboard
- Write quality assurance program for case-level administrative data in analysis of monthly and yearly [Safety and Justice Challenge](#) reports

DATA ANALYST, *Aug. 2020 -*
QUANTITATIVE SOCIAL SCIENCE, DARTMOUTH COLLEGE
RESEARCH FELLOW, [BRIGHT LINE WATCH](#)

- Wrangle web behavior data, run regressions, and produce data visualizations for project on YouTube user consumption
- Build data pipeline to collect Twitter data of U.S. state legislators and local government officials
- Help design an experiment investigating how changes in news feed algorithms influence engagement with untrustworthy content
- Analyze Americans' attitudes toward democracy and confidence in elections before and following the 2020 presidential election with a nationally representative survey panel
- Provide administrative support, including maintenance of the website

RESEARCH ASSISTANT, *Apr. 2019 - Aug. 2020*
DEMOTIP LAB, PI: AARON ERLICH
CENTRE FOR THE STUDY OF DEMOCRATIC CITIZENSHIP

- Programmed conjoint survey experiments in Qualtrics with Javascript. Analyzed results of experiments fielded in Nigeria and Canada
- Ran Facebook advertising campaigns to survey hard-to-reach migrant populations.
- Explored weighting and matching procedures to align demographic profile of sample to census or other nationally representative survey data
- Converted documents into machine-readable PDFs using OCR technology

Selected Publications and Works in Progress

- [Subscriptions and external links help drive resentful users to alternative and extremist YouTube videos](#) (*Apr. 2022, Revise & resubmit*)
- [Discriminatory Immigration Bans Elicit Anti-Americanism in Targeted Communities: Evidence from Nigerian Expatriates](#) (*Journal of Experimental Political Science, 2021*)
- Reducing content from like-minded sources on Facebook alters patterns of exposure and engagement but has little effect on political attitudes (*with Brendan Nyhan, Jaime Settle, Emily Thorson, Magdalena Wojcieszak, Meta*)
- The effects of incorporating partisan diversity into content rankings on news feed information consumption (*with Brendan Nyhan, Saumya Bhadani, Giovanni Luca Ciampaglia, Alessandro Flammini, Filippo Menczer*)

Technical Skills

PROGRAMMING & SOFTWARE

- R (i.e., [tidyverse](#), [caret](#), [Rmarkdown](#), [Shiny](#))
- Python (i.e., [pandas](#), [scikit-learn](#), [selenium](#), [beautifulsoup](#))
- Jupyter Notebook
- Git and GitHub
- I have basic familiarity with: MySQL, Javascript, Stata

COMPETENCIES

- data visualization
- econometrics
- survey methods
- experimental design
- webscraping

Teaching

- Causal inference [\[materials\]](#)
- Math and R (p)refresher workshops
- Intro to quantitative methodology in Political Science

Awards and Distinctions

- SSHRC Canada Graduate Scholarship (2018-2019) - \$17,500
- Centre for the Study of Democratic Citizenship Scholarship (2018) - \$2,500
- Woodsworth College Wilcox Travel Abroad Award (2016) - \$1,800
- International Course Module recipient (2016)
- Dean's List (2013-2017)

Languages

French (Professional working proficiency)
Cantonese (Elementary proficiency)

Education

M.A. POLITICAL SCIENCE
McGill University, GPA: 4.0/4.0
(2018-2020)

B.A. POLITICAL SCIENCE & CRIMINOLOGY
University of Toronto, GPA: 3.8/4.0
(2013-2017)