

# Dominic J. Valentino

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## EDUCATION

Harvard University, Cambridge, MA  
*Doctor of Philosophy (PhD)*, Government, expected May 2025  
*Masters*, Political Science

University of Michigan, Ann Arbor, MI  
*Bachelor of Science, Highest Honors*, Political Science, May 2019  
*Bachelor of Science*, Statistics, May 2019

## EXPERIENCE

**Academic Collaborator with Matt Blackwell\* and Nicole Pashley†** 2021-Present

*\*Department of Government, Harvard University*

*†Department of Statistics, Rutgers University*

- Develop an experimental method based on Neyman Allocation to efficiently allocate experimental units based on the variance in each condition
- Conduct a simulation study in R to assess the performance of the method and apply it to real-world studies

**Academic Collaborator with Christopher Kenny** 2021-Present

*Department of Government, Harvard University*

- Link county-level administrative voting data in all 3,000+ counties from 1990 onward with Census demographic data and county- or state-level policy data
- Assess the impacts of universal vote-by-mail policies in R using a two-way fixed effects design with a goal to inform future policy-making in the area

**Research Assistant for Ali Valenzuela** 2021

*Department of Politics, Princeton University*

- Analyzed panel survey results ( $N \approx 6,000$ ) in R to describe Americans' support for using violence to achieve their political goals

**Academic Collaborator with Kevin Troy** 2020-Present

*Department of Government, Harvard University*

- Draw on psychology to analyze open-ended survey responses ( $N \approx 20,000$ ) using a hierarchical Bayesian topic model, built in R, combined with measures of information entropy to estimate the diversity of topics mentioned in text data with the goal of understanding the impact of the internet on individual political attitudes and behavior
- Paper presented at the annual meeting for the International Society for Political Psychology in 2022

**Academic Collaborator with Kosuke Imai and Others** 2020-Present

*Department of Government, Harvard University*

- Analyze all political campaign advertisement videos ever aired ( $>120,000$  videos) using machine learning techniques in Python including video summarization, speech transcription, image text detection, and face detection, with the goal to create a public database of the issues mentioned, people shown, and rhetoric used in the ads
- Implement Qualtrics survey for crowdsourcing characteristics of individuals who appear in the ads using Qualtrics and MTurk

**Academic Collaborator with Ryan Enos and Others** 2019-Present

*Department of Government, Harvard University*

- Develop, distribute, and analyze a large-scale Qualtrics survey to 5 million people who have been linked to the 1940 U.S. Census to study the connection between early-in-life living circumstances and later-in-life political beliefs
- Analyses conducted in R

	<b>Academic Collaborator with Christopher Kenny and Jacob Waggoner</b> 2019-2020 <i>Department of Government, Harvard University</i> <ul style="list-style-type: none"> <li>Collected and combined over-time public opinion data (<math>N \approx 1,200</math>) with data on the proliferation of the internet to study the impact of the internet on politics using an instrumental variables approach in R.</li> <li>Paper presented at the annual meeting for the International Society for Political Psychology in 2020.</li> </ul>
	<b>Honors Senior Thesis advised by Stuart Soroka</b> 2018-2019 <i>Department of Political Science, University of Michigan</i> <ul style="list-style-type: none"> <li>Developed, distributed, and analyzed a survey experiment (<math>N \approx 3,000</math>) to study the relationship between exposure to negative news content and voter turnout</li> <li>Documented the rise of negativity in the US news media since 1995 using content analysis methods on television and newspaper news transcripts from five databases of television transcripts (ABC, CBS, NBC, FOX, and MSNBC)</li> <li>Project awarded highest honors and the award for best thesis in political science</li> </ul>
	<b>Research Assistant for Stuart Soroka</b> 2018 <i>Department of Political Science, University of Michigan</i> <ul style="list-style-type: none"> <li>Conducted laboratory experiment using wearable technology to measure psychophysiological responses to television news on small versus large screens with the goal of assessing whether individuals respond more to larger screens</li> </ul>
	<b>Academic Collaborator with Stuart Soroka and Lauren Guggenheim</b> 2017-2021 <i>Department of Political Science, University of Michigan</i> <ul style="list-style-type: none"> <li>Published Hot Rod, an original online survey method in the form of a game designed (on Qualtrics) to measure cognitive biases for prediction of political preferences</li> <li>Analyses conducted in R</li> </ul>
<b>SCHOLARLY ARTICLES</b>	Soroka, S., Guggenheim, L., & Valentino, D. (2021). Valence-based biases in news selection. <i>Journal of Media Psychology: Theories, Methods, and Applications</i> .
<b>CONFERENCE PRESENTATIONS</b>	Valentino, D. J., Troy, K. K. (2022). Estimating the Diversity of Topics in Open Text with an Application to Partisan Attitudes. <i>Annual Meeting of the International Society of Political Psychology</i> . Athens, GR.  Valentino, D. J., Kenny, C. T., & Waggoner, J. (2020). Internet Access and Political Accountability. <i>Annual Meeting of the International Society of Political Psychology</i> . Virtual Conference.
<b>COURSES OF NOTE (Taken)</b>	Quantitative Empirical Methods, Data Mining and Machine Learning, Applied Regression Analysis, Elementary Programming Concepts, Statistical Computing, Linear Algebra, Multivariable Calculus
<b>COURSES OF NOTE (Taught)</b>	Intro to Data Science (Undergraduate), Probability and Linear Regression (Graduate), Intro to Political Psychology (Undergraduate)
<b>SKILLS</b>	<i>Software:</i> R, Python, SPSS, SQL, Git, GitHub, Qualtrics, Amazon Mechanical Turk, Amazon Web Services, STATA, MS Office, LaTeX, Google Suites <i>Technical:</i> Data Analysis, Data Cleaning, Data Linking, Machine Learning Techniques, Survey Methods, Longitudinal Analysis, Statistical Analysis, Research Design, Biometric Data Analysis
<b>AWARDS AND FELLOWSHIPS</b>	Center for American Political Studies (CAPS) Graduate Seed Grant, Harvard University 2022 William Yandell Elliott Fellow, Harvard University 2019-2020 Frank Grace Award for best thesis in political science, University of Michigan 2019 Gerstein Family Research Stipend to facilitate the honors thesis, University of Michigan 2018 University of Michigan Regents Merit Scholarship 2015