

Patrick Y. Wu

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Education

University of Michigan

PH.D. IN POLITICAL SCIENCE AND SCIENTIFIC COMPUTING, M.A. IN STATISTICS

Ann Arbor, MI

2015—

- Fields: Political Methodology (with honors) and American Politics
- Committee: Walter R. Mebane, Jr., Kevin Quinn, Emily Mower Provost, Stuart Soroka

University of Chicago

B.A. IN POLITICAL SCIENCE (WITH HONORS), B.A. IN STATISTICS

Chicago, IL

2010—2014

Working Papers

MARMOT: A Deep Learning Framework for Constructing Multimodal Representations for Vision-and-Language Tasks (with Walter R. Mebane, Jr.)

Party Words: Partisan Associations from Word Embeddings of Twitter Users' Bios (with Walter R. Mebane, Jr., Logan Woods, Joseph Klaver, and Preston Due)

Diverse Election Experiences Reported Without Bias: Observing Election Incidents in the United States via Twitter (with Walter R. Mebane, Jr., Logan Woods, Joseph Klaver, Alejandro Pineda, and Blake Miller)

Identifying Hostile Usages of Partisan Words on Twitter Using BERT (with Logan Woods and Walter R. Mebane, Jr.)

The Role of Economic Decline and Malaise in the Rise of Extreme Nationalist Populism (with Diogo Ferrari, Robert Franzese, Hayden Jackson, ByungKoo Kim, and Wooseok Kim)

Honors and Awards

2020	MICDE Fellowship (\$4,000)
2019	Best Poster, UMTweetCon
2019	Best Paper, UMTweetCon
2018	Roy Pierce Scholars Fund, University of Michigan Institute for Social Research Center for Political Studies (\$6,000)
2017	Honorable Mention, NSF Graduate Research Fellowships Program
2014	Dean's List, University of Chicago

Teaching Experience

GRADUATE-LEVEL CLASSES (AS GRADUATE STUDENT INSTRUCTOR / TA)

- 2020 Machine Learning: Applications in Social Science Research, ICPSR Summer Program in Quantitative Methods (with Christopher Hare)
- 2016, 2017 Mathematics for Political Scientists, University of Michigan (with Iain Osgood)
- 2017, 2018, 2020 Statistical Methods in Political Research II, University of Michigan (with Rocio Titiunik, 2017 & 2018, and Kevin Quinn, 2020)

UNDERGRADUATE-LEVEL CLASSES (AS GRADUATE STUDENT INSTRUCTOR/TA)

- 2019 Comparative Analysis of Government Institutions, University of Michigan (with George Tsebelis)

Professional and Departmental Service

- Manuscript Referee: *American Journal of Political Science*
- 2019– Coordinator, Interdisciplinary Seminar in Social Science Methodology, University of Michigan
- 2018–2019 Coordinator, Statistical Learning Workshop, University of Michigan

Conferences

American Political Science Association Annual Meeting: 2016, 2017, 2019, 2020. *Annual Meeting of the Society for Political Methodology*: 2017, 2018, 2020. *Midwest Political Science Association Annual Meeting*: 2016, 2017, 2018, 2019. *Michigan Student Symposium for Interdisciplinary Statistical Sciences*: 2019, 2020. *Politics and Computational Social Sciences*: 2020. *UMTweetCon*: 2019. *International Methods Colloquium*: 2020. *Conference on New Directions in Analyzing Text as Data*: 2018.

Software

eforensics: R package to estimate fraud in elections using finite mixture models (with Diogo Ferrari, Kevin McAlister, and Walter R. Mebane, Jr.)

Other Experience

- 2020 Graduate Student Academic Term Intern, ProQuest Text and Data Mining
- 2017 Graduate Student Research Assistant, University of Chicago Crime Lab
- 2014–2015 Chief Research Assistant for Judge Richard A. Posner and Professor William Landes, University of Chicago Law School