

stefanwojcik

contact

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tw://stefanjwojcik

programming languages

♥ Julia,
♥ Python,
♥ R,
SQL
& Bash

natural languages

english mother tongue
spanish - fluent
portuguese - fluent

about

I'm a Computational Social Scientist specializing in using large-scale digital trace data to understand human behavior.

education

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|-----------|--|--|
| 2010–2014 | PhD of Political Science
Comparative Politics, Statistical Methods | The University of Colorado, Boulder |
| 2008–2010 | Master of Political Science
Comparative Politics | The University of Wisconsin, Milwaukee |
| 2003–2007 | Bachelor of Political Science, Spanish
Specialized in Political Theory | The University of Minnesota, Duluth |

experience

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|-----------|--|---|
| 2025–NOW | NANOCENTURY AI
<i>Founder/Principal Data Science Consultant</i>
Conceived and executed custom research and analysis for top industry and academic clients, including R1 research institutions and a global 500 social media company. Built bleeding edge AI-ready research deliverables. | Eau Claire, WI |
| 2023–2025 | NATIONAL GRID RENEWABLES/(GERONIMO)
<i>Principal Data Scientist</i>
Led a small team to develop an ML system for energy price forecasting and automated battery trading, increasing annual revenue capture for renewable assets by 20–30%. | Remote |
| 2019–2023 | TWITTER
<i>Staff Quant/Data Scientist</i>
Led industry-defining research to measure and improve the health of the Twitter platform. I led quant research on the 2020 US Elections, generative AI interventions, and was a lead author of the Community Notes/Birdwatch research, which became industry standard reading. | Various Locations |
| 2017–2019 | THE PEW RESEARCH CENTER
<i>Computational Social Scientist</i>
I conducted surveys of online populations, and applied a variety of modern machine learning and statistical tools to digital trace data, including text, images, and survey data. Utilized deep learning models, support vector machines, hierarchical models, and tree-based models.
-Media trained | Washington, DC |
| 2014–2016 | THE LAZER LAB
Postdoctoral Fellow of Computational Social Science
Forecasted global elections, tracked flu rates in collaboration with Microsoft Research, developed methods to extract representative data from Twitter to predict public opinion, flu, movie revenues. | Harvard University/ Northeastern University |

selected publications

- 2024 “Facing Voters: Gender Expression, Gender Stereotypes, and Vote Choice”. **Journal of Politics**. (with Shawwna Mullenax). [LINK](#)
- 2022 “Birdwatch: Crowd Wisdom and Bridging Algorithms can Inform Understanding and Reduce the Spread of Misinformation”. **Arxiv**. (with Sophie Hilgard, Nick Judd, Delia Mocanu, Stephen Ragain, M.B. Fallin Hunzaker, Keith Coleman, and Jay Baxter). [LINK](#)

- 2021 "Survey data and human computation for improved flu tracking". **Nature Communications**. (with Avleen Bijral, et al.). [LINK](#).
- 2019 "The challenges of using machine learning to identify gender in images". **Pew Research Center**. (with Emma Remy). [LINK](#).
- 2019 "Sizing Up Twitter Users". **Pew Research Center**. (with Adam Hughes). [LINK](#).
- 2018 "Bots in the Twittersphere". **Pew Research Center**. (with Solomon Messing, Aaron Smith, Lee Rainie and Paul Hitlin). [LINK](#).
- 2017 "Do Birds of a Feather Vote Together, or Is It Peer Influence?". **Political Research Quarterly**.
- 2017 "Are Democracies Cheaper? Regime Type, Electoral System, and Consumer Price Levels" (with Andy Baker). **International Political Science Review**.
- 2017 "Voters of the Year: 19 Voters Who Were Unintentional Election Poll Sensors on Twitter" (with Will Hobbes, Lisa Friedland, Kenneth Joseph, Oren Tsur, and David Lazer). **ICWSM** 2017.
- 2017 "Improving Election Prediction Internationally". (with Ryan Kennedy and David Lazer). **Science** Vol. 355 Issue 6324: 515-520.
- 2017 "Men Idle, Women Network: How Networks Help Female Legislators Succeed". (with Shawwna Mullenax). Winner of Best Graduate Student Paper, Department of Political Science, CU-Boulder. **Legislative Studies Quarterly**.
- 2016 "Political Networks and Computational Social Science". (with David Lazer). **Oxford Handbook of Political Networks**.

selected presentations

2024	Invited Talk	Google IQ Talks
	Birdwatch: Crowd Wisdom and Bridging Algorithms can Inform Understanding and Reduce the Spread of Misinformation	
2024	Invited Talk	University of Colorado Denver Symposium
	Birdwatch: Crowd Wisdom and Bridging Algorithms can Inform Understanding and Reduce the Spread of Misinformation	
2020	Conference Presentation	International Conference on Computational Social Science
	Mind Map: A Bootstrapping Approach to Topic Extraction	
2019	Methods Presentation	The World Bank
	Co-presented research conducted about gender representation in online news.	

selected awards

- National Science Foundation Political Networks Conference Fellowship, Portland, Oregon, June 2015, total \$700
- Graduate School Summer Fellowship, University of Colorado, 2014, total \$6000
- Beverly Sears Research Award, University of Colorado, 2014, total \$1000
- Political Science Summer Research Grant, University of Colorado 2012, 2013, 2014, total \$1800, \$2500, \$2250