

# stefanwojcik

## contact

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tw://stefanjwojcik

## programming languages

♥ Python,  
♥ R,  
♥ Julia,  
SQL  
& Bash

## natural languages

english mother tongue  
spanish - fluent  
portuguese - fluent

## about

I'm a Computational Social Scientist who shaped Twitter's election integrity research and built ML systems that move markets.

## education

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

## experience

- |           |  |   |
|-----------|--|---|
| 2025–NOW  | <b>NANOCENTURY AI</b><br><i>Founder/Principal Data Science Consultant</i><br>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 | <b>NATIONAL GRID RENEWABLES (GERONIMO POWER)</b><br><i>Principal Data Scientist</i><br>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 | <b>TWITTER</b><br><i>Staff Quant/Data Scientist</i><br>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 | <b>THE PEW RESEARCH CENTER</b><br><i>Computational Social Scientist</i><br>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.<br>-Media trained | Washington, DC                              |
| 2014–2016 | <b>THE LAZER LAB</b><br>Postdoctoral Fellow of Computational Social Science<br>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	<b>Invited Talk</b>	Google IQ Talks
	Birdwatch: Crowd Wisdom and Bridging Algorithms can Inform Understanding and Reduce the Spread of Misinformation	
2024	<b>Invited Talk</b>	University of Colorado Denver Symposium
	Birdwatch: Crowd Wisdom and Bridging Algorithms can Inform Understanding and Reduce the Spread of Misinformation	
2020	<b>Conference Presentation</b>	International Conference on Computational Social Science
	Mind Map: A Bootstrapping Approach to Topic Extraction	
2019	<b>Methods Presentation</b>	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