

2232 Beering Hall  
Department of Political Science  
Purdue University  
West Lafayette, IN 47907

+1 765 494 0460  
+44 7908 490980  
[zachwarner@purdue.edu](mailto:zachwarner@purdue.edu)  
[zachwarner.net](http://zachwarner.net)

## Academic Appointments

Purdue University

Assistant Professor of Political Science (Data Science), 2021-  
Core Faculty, Cornerstone Integrated Liberal Arts Program, 2021-  
Affiliated Faculty, Advanced Methods at Purdue, 2021-

Cardiff University

Postdoctoral Research Fellow in the School of Law and Politics, 2018-2021

## Education

Ph.D. Political Science, University of Wisconsin–Madison, 2018  
Junior Visiting Scholar (predoctoral), Nuffield College, University of Oxford, 2015-2016  
M.A. Political Science, University of Wisconsin–Madison, 2013  
M.Phil. Development Studies, University of Cambridge, 2011  
B.A. International Studies, Johns Hopkins University, 2010

## Publications

6. “Hidden in Plain Sight? Irregularities on Statutory Forms and Electoral Fraud” (with Christian Arnold, Michelle Brown, and J. Andrew Harris). Forthcoming at *Electoral Studies*. [📄](#)
5. “Affluence and Congruence: Unequal Representation Around the World” (with Noam Lupu). Forthcoming at the *Journal of Politics*. [📄](#)
4. “Why Are the Affluent Better Represented Around the World?” (with Noam Lupu). Forthcoming at the *European Journal of Political Research*. [📄](#)
3. “How to Get Better Survey Data More Efficiently” (with Mollie J. Cohen). 2021. *Political Analysis* 29 (2): 121-138. [📄](#)
2. “A New Measure of Congruence: The Earth Mover’s Distance” (with Noam Lupu and Lucía Selios). 2017. *Political Analysis* 25 (1): 95-113. [📄](#)
1. “Mass-Elite Congruence and Representation in Argentina” (with Noam Lupu). 2017. In *Malaise in Representation in Latin American Countries: Chile, Argentina, Uruguay*, eds. Alfredo Joignant, Mauricio Morales, and Claudio Fuentes. New York: Palgrave Macmillan, pp. 281-302. [📄](#)

## Research in Progress

6. *Divide to Rule: Coalition Bargaining and the Architecture of Government* (book manuscript). In preparation.
5. “Conscription Systems, Political Survival, and Battlefield Deaths” (with Douglas B. Atkinson, Kevin Fahey, and René Lindstädt). Revise and resubmit at the *American Political Science Review*. [📄](#)
4. “Conditional Relationships in Dynamic Models.” Under review. [📄](#)
3. “Divide to Rule: Deconcentration and Coalition Bargaining.” Under review. [📄](#)

2. “Perceptions of Uncertainty” (with Michael DeCrescenzo and Benjamin Toff). Two experiments fielded, another experiment in nationally-representative survey to be fielded in 2022.
1. simic: Simulating and Measuring Ideological Congruence. R package in beta testing (with Kevin Fahey and René Lindstädt).

## Conference Activity

10. Midwest Workshop in Empirical Political Science (MWEPS): 2021
9. American Political Science Association annual meeting: 2016, 2017, 2018, 2019, 2020
8. Society for Political Methodology annual meeting: 2015, 2016, 2017, 2020
7. European Political Science Association annual meeting: 2016, 2020, 2021
6. Images as Data Workshop, Trinity College Dublin: 2020
5. AI UK, Turing Institute: 2020
4. Unequal Representation and Its Underlying Mechanisms Workshop, University of Amsterdam: 2019
3. Political Studies Association Methods Conference: 2016, 2018
2. Society for Institutional and Organizational Economics annual meeting: 2017
1. Nuffield College Graduate Student Conference: 2016

## Awards, Grants, & Fellowships

10. Cardiff GCRF Impact Accelerator Award (£4,985), “Detecting Election Regularities with Machine Learning for Visual Data,” with Christian Arnold, J. Andrew Harris, and Michelle Brown, in partnership with the National Democratic Institute, 2020
9. ESRC grant (£17,400), “Detecting Election Regularities with Machine Learning for Visual Data,” with Christian Arnold, J. Andrew Harris, and Michelle Brown, in partnership with the National Democratic Institute, 2018-
8. University Fellowship, University of Wisconsin–Madison, 2012–2017
7. Summer Initiative Funding, University of Wisconsin–Madison Political Science, 2013, 2014, 2015, 2016, 2017
6. APSA Class & Inequality Section Graduate Travel Grant, 2016
5. Election Research Center Conference Funding, 2016
4. National Science Foundation graduate travel funding, 2015
3. Foreign Language and Area Studies (FLAS) Award, 2013–2014 (declined)
2. Foreign Language and Area Studies (FLAS) Summer Award, 2013
1. Distinction, M.Phil. dissertation, University of Cambridge, 2011

## Teaching

Purdue University:

1. Everything is Data (graduate), Fall 2021

Cardiff University:

6. The Power and Politics of Research Methods (undergraduate), *Co-instructor*, 2020
5. Research Methods (graduate), *Invited Lecturer* on causal inference, 2020
4. Research Methods Symposium (graduate), *Invited Lecturer* on causal inference, 2020
3. Data Science (undergraduate), *Chair of the Programme Development Team* and *Co-Developer* of six data science modules/courses, 2018-2020
2. Research Methods Symposium (graduate), *Invited Lecturer* on quantitative methods, 2018
1. Research Methods Symposium (graduate), *Invited Lecturer* on qualitative and digital methods, 2018

University of Wisconsin–Madison:

3. Introduction to American Politics (undergraduate), *Teaching Assistant*, 2013
2. The Politics of Sport (undergraduate), *Grader*, 2013
1. African International Relations (undergraduate), *Teaching Assistant*, 2012

Additional Teaching:

2. Bowdoin College, Africa Since 1880 (undergraduate), *Invited Lecturer* on Nigeria's Mid-West Movement, 2017
1. Vanderbilt University,  $\LaTeX$  Workshop (graduate), *Invited Lecturer* on beginning  $\LaTeX$ , 2017

## Professional Service

Purdue University:

2. Comparative politics search committee, 2021-2022
1. Political Science Research Workshop director, 2021-2022

Cardiff University:

4. Equality, Diversity, and Inclusion (EDI) committee, 2018-2021
3. Athena Swan application subcommittee of the EDI, 2018-2021
2. *Chair*, Data Science Programme Development Team, Cardiff University, 2018-2020
1. National Student Survey strategy team, 2018-2019

University of Wisconsin–Madison:

3. *Coordinator*, Political Economy Colloquium, 2014-2015
2. *Co-Coordinator*, Political Behavior Research Group, 2014-2015

1. *Student Representative*, Computer Services Committee, 2014-2015

Additional Service:

5. Referee for the *British Journal of Political Science*, *Comparative Political Studies*, *Computational Communication Research*, the *European Journal of Political Research*, the *Hague Journal of Diplomacy*, *International Studies Quarterly*, the *Journal of Politics*, *Latin American Politics & Society*, *PLOS One*, *Political Analysis*, *Political Research Quarterly*, *Political Studies Review*, *International Studies Quarterly*, the *Revista Latinoamericana de Opinión Pública*, and *Social Science Research*
4. Member/affiliate of APSA, EPSA, PSA, and the Elections Research Center at the University of Wisconsin–Madison
3. *Member*, Leadership Transition Committee of the APSA Class and Inequality Section, 2020
2. *Chair*, Conference Committee of the APSA Class and Inequality Section, 2017-2018
1. *Web Admin*, African Politics Conference Group, 2013-2014

## Consulting

Latin American Public Opinion Project at Vanderbilt University, 2016-2020

HM Prison and Probation Service Wales, 2018

HM Department for International Development (Policy Division, Politics and the State Team), 2009

## Other Research Experience

6. University of Wisconsin–Madison, *Project Assistant* to Nils Ringe (European Union, linguistic preferences), 2016
5. University of Wisconsin–Madison, *Project Assistant* to Rikhil Bhavnani (India, mobilization, development), 2013-2016
4. University of Wisconsin–Madison, *Project Assistant* to John Ahlquist (methodology, maximum likelihood), 2014-2015
3. University of Wisconsin–Madison, *Project Assistant* to Noam Lupu (voting behavior, electoral institutions), 2013-2014
2. University of Wisconsin–Madison, *Project Assistant* to Mark Copelovitch (financial crises), 2013-2014
1. Bowdoin College, *Research Assistant* to Olufemi Vaughan (Nigeria, state formation, religious and legal institutions), 2011-2013

## Skills

Software: Python, R, Stata, Docker, Bash, Linux, Git, Slurm, SurveyToGo, QGIS, L<sup>A</sup>T<sub>E</sub>X

Languages: English (native), Spanish (Intermediate), Japanese (beginner), Yorùbá (beginner)