

Law Building, Museum Avenue
Cardiff CF10 3AX
United Kingdom

+44 7908 490980
WarnerZ@cardiff.ac.uk
zachwarner.net

Academic Appointment

Cardiff University, *Postdoctoral Research Fellow* in the Centre for Political and Legal Analytics, 2018–

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

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

12. *Divide to Rule: Coalition Bargaining and the Architecture of Government* (book manuscript). In preparation.
11. “How to Get Better Survey Data More Efficiently” (with Mollie J. Cohen). Revise and resubmit at *Political Analysis*. [📄](#)
10. “Affluence and Congruence: Unequal Representation Around the World” (with Noam Lupu). Revise and resubmit at the *Journal of Politics*. [📄](#)
9. “Conditional Relationships in Dynamic Models.” Under review. [📄](#)
8. “Divide to Rule: Deconcentration and Coalition Bargaining.” Under review. [📄](#)
7. “Presidents Reward Swing Counties by Protecting their Soldiers during War” (with Douglas B. Atkinson, Kevin Fahey, and René Lindstädt). Under review.
6. “Perceptions of Uncertainty” (with Michael DeCrescenzo and Benjamin Toff). Two experiments fielded, another experiment in nationally-representative survey to be fielded in late 2019.
5. *simic*: Simulating and Measuring Ideological Congruence. R package in beta testing (with Kevin Fahey and René Lindstädt).
4. “Measuring Ideological Congruence” (with Kevin Fahey and René Lindstädt). In preparation.
3. “Detecting Election Irregularities with Machine Learning for Visual Data” (with Christian Arnold, J. Andrew Harris, and Michelle Brown of the National Democratic Institute). ESRC grant awarded (£17,400).

2. fastEMD: A fast computation of the Earth Mover's Distance. R package under development (with Andy Eggers).
1. "Measuring Distributional Distance" (with Andy Eggers). In preparation.

Conference Activity

11. American Political Science Association annual meeting, 2019
10. Political Studies Association Methods Conference, 2018
9. American Political Science Association annual meeting, 2018
8. American Political Science Association annual meeting, 2017
7. Society for Institutional and Organizational Economics, 2017
6. American Political Science Association annual meeting, 2016 (panel organizer)
5. Society for Political Methodology annual meeting, 2016 (poster)
4. European Political Science Association annual meeting, 2016
3. Political Studies Association Methods Conference, 2016
2. Nuffield College Graduate Student Conference, 2016
1. Society for Political Methodology annual meeting, 2015 (poster)

Awards, Grants, & Fellowships

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

Cardiff University:

3. Data Science (undergraduate), *Chair of the Programme Development Team* and *Co-Developer* of six data science modules/courses, 2018-
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

Cardiff University:

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

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:

4. Referee for the *British Journal of Political Science*, *Comparative Political Studies*, *The Hague Journal of Diplomacy*, *Political Analysis*, *Political Research Quarterly*, and *International Studies Quarterly*
3. Member/affiliate of APSA, EPSA, PSA, and the Elections Research Center at the University of Wisconsin–Madison
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–

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: \LaTeX , R, Stata, Python, Stan, JAGS, SurveyToGo, QGIS, Bash, Linux, Git, Slurm

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

References

John Ahlquist
Associate Professor
School of Global Policy and Strategy
University of California, San Diego
jahlquist@ucsd.edu

Scott Gehlbach
Professor
Department of Political Science
University of Chicago
gehlbach@uchicago.edu

René Lindstädt
Professor and Head of School (from August 2019)
Department of Political Science & International Studies
University of Birmingham
rene.lindstaedt@gmail.com

Noam Lupu
Associate Professor
Department of Political Science
Vanderbilt University
noam.lupu@vanderbilt.edu