

## David A. Siegel

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### EDUCATION

Ph.D., Political Economics, June 2006, Stanford University, Graduate School of Business.

M.A., Political Science, September 2004, Stanford University.

A.M., Physics, June 1998, Harvard University.

A.B., *magna cum laude*, Physics, June 1996, Princeton University.

### ACADEMIC POSITIONS

July 2019-present. Professor of Political Science and Public Policy, Duke University

July 2017-June 2019. Associate Professor of Political Science and Public Policy, Duke University

July 2013-June 2017. Associate Professor of Political Science, Duke University

August 2012-June 2013. Associate Professor of Political Science, the Florida State University

August 2006-July 2012. Assistant Professor of Political Science, the Florida State University

### RESEARCH AND TEACHING INTERESTS

Collective action and the problem of aggregation, Political violence and terrorism, Social networks, Elections and electoral institutions, Identity formation, Computational modeling, Game theory, and Positive political theory.

### BOOKS

2) Moore, Will H. and David A. Siegel. 2013. *A Mathematics Course for Political and Social Research*. Princeton, NJ: Princeton University Press.

1) Bendor, Jonathan, Daniel Diermeier, David A. Siegel, and Michael M. Ting. 2011. *A Behavioral Theory of Elections*. Princeton, NJ: Princeton University Press.

- Honorable mention for the William F. Riker Prize.

### PEER-REVIEWED ARTICLES AND BOOK CHAPTERS

35) Wirtz, James J., David A. Siegel, Jacob N. Shapiro, Amy Zegart, and Loch K. Johnson. 2022. "INS special forum on David Sherman's 'An Intelligence Classic That Almost Never Was – Roberta Wohlstetter's Pearl Harbor: warning and decision'." *Intelligence and National Security*. 37 (3): 346–358.

34) Datta, Anisha C. and David A. Siegel. 2021. "Inclusive and Non-inclusive Networks." *PS: Political Science & Politics* 54 (3): 507-509.

33) Crabtree, Charles, Holger L. Kern, and David A. Siegel. 2020. "Cults of personality, preference falsification, and the dictator's dilemma." *Journal of Theoretical Politics* 32 (3): 409-434.

- 32) Beardsley, Kyle, Howard Liu, Peter Mucha, David A. Siegel, and Juan Tellez. 2020. "Hierarchy and the Provision of Order in International Politics." *Journal of Politics* 82 (2): 731-746.
- 31) Siegel, David A. 2020. "Networks and Media Influence." In the *Oxford Handbook of Electoral Persuasion* edited by Elizabeth Suhay, Bernard Grofman, and Alexander Trechsel. Oxford, UK: Oxford University Press.
- 30) Mele, Christine S. and David A. Siegel. 2019. "Identifiability, State Repression, and the Onset of Ethnic Conflict." *Public Choice* (3-4): 399-422.
- 29) Foster, Margaret and David A. Siegel. 2019. "Pink Slips From the Underground: Changes in Terror Leadership." *International Studies Quarterly* 63(2): 231-243.
- 28) Siegel, David A. 2019. "New Techniques in Teaching Terrorism." In the *Oxford Handbook on Terrorism* edited by Erica Chenoweth, Richard English, Andreas Gofas, and Stathis N. Kalyvas. Oxford, UK: Oxford University Press. Ch 34.
- 27) Siegel, David A. 2018. "Analyzing Computational Models." *American Journal of Political Science* 62 (3): 745-759.
- 26) Mele, Christine S. and David A Siegel. 2017. "Identity, Repression, and the Threat of Ethnic Conflict in a Strong State." *Journal of Theoretical Politics* 29 (4): 578-598.
- 25) Siegel, David A. 2017. "Democratic Institutions and Political Networks." In the *Oxford Handbook of Political Networks*, edited by Jennifer Nicoll Victor, Mark Lubell, and Alexander H. Montgomery. Oxford, UK: Oxford University Press. 817-833.
- 24) Shapiro, Jacob N. and David A. Siegel. 2015. "Coordination and Security: How Mobile Communications Affect Insurgency." *Journal of Peace Research* 52 (3): 312-322.
- 23) Golder, Matt, Sona N. Golder, and David A. Siegel. 2014. "Evaluating a Stochastic Model of Government Formation." *Journal of Politics* 76 (4): 880-886.
- 22) Siegel, David A. 2013. "Social Networks and the Mass Media." *American Political Science Review* 107 (4): 786-805.
- 21) Siegel, David A. 2013. "Will You Accept the Government's Friend Request? Social Networks and Privacy Concerns." *PLoS ONE* 8 (11): e80682. doi:[10.1371/journal.pone.0080682](https://doi.org/10.1371/journal.pone.0080682).
- 20) Gaskins, Ben, Matt Golder, and David A. Siegel. 2013. "Religious Participation, Social Conservatism, and Human Development." *Journal of Politics* 75 (4): 1125-1141.
- 19) Gaskins, Ben, Matt Golder, and David A. Siegel. 2013. "Religious Participation and Economic Conservatism." *American Journal of Political Science* 57 (4): 823-840.
- 18) Golder, Matt, Sona N. Golder, and David A. Siegel. 2012. "Modeling the Institutional Foundations of Parliamentary Government Formation." *Journal of Politics* 74 (2): 427-445.

- 17) Shapiro, Jacob N. and David A. Siegel. 2012. "Moral Hazard, Discipline, and the Management of Terrorist Organizations." *World Politics* 64 (1): 39-78.
- 16) Siegel, David A. 2011. "When Does Repression Work?: Collective Action and Social Networks." *Journal of Politics* 73 (4): 993-1010.  
 · Winner of the Political Ties award.
- 15) Block, Ray Jr. and David A. Siegel. 2011. "Identity, Bargaining, and Third-Party Mediation." *International Theory* 3 (3): 416-449.
- 14) Siegel, David A. 2011. "Non-disruptive Tactics of Suppression are Superior in Countering Terrorism, Insurgency, and Financial Panics." *PLoS ONE* 6 (4): e18545. doi:[10.1371/journal.pone.0018545](https://doi.org/10.1371/journal.pone.0018545).
- 13) Baybeck, Brady, William D. Berry, and David A. Siegel. 2011. "A Strategic Theory of Policy Diffusion via Intergovernmental Competition." *Journal of Politics* 73 (1): 232-247.
- 12) Siegel, David A. 2011. "Social Networks in Comparative Perspective." *PS: Political Science & Politics* 44 (1): 51-54.
- 11) Shapiro, Jacob N. and David A. Siegel. 2010. "Is This Paper Dangerous? Balancing secrecy and openness in counterterrorism." *Security Studies* 19 (1): 66-98.
- 10) Bendor, Jonathan, Sunil Kumar, and David A. Siegel. 2010. "Adaptively Rational Retrospective Voting." *Journal of Theoretical Politics* 22 (1): 26-63.
- 9) Siegel, D. A. 2010. "Social network structure and counterinsurgency/counterterrorism: Using theory to limit causal links and aid in strategic planning." In A. Woodcock, M. Baranick, & A. Sciarretta (Eds.), *The human social culture behavior modeling workshop* p. 83–106. Washington, DC: National Defense University.
- 8) Siegel, David A. and Joseph K. Young. 2009. "Simulating Terrorism: Credible Commitment, Costly Signaling, and Strategic Behavior." *PS: Political Science & Politics* 42 (4): 765-771.
- 7) Siegel, David A. 2009. "Social Networks and Collective Action." *American Journal of Political Science* 53 (1): 122-138.
- 6) Bendor, Jonathan, Kumar, Sunil, and Siegel, David A. 2009. "Satisficing: A 'Pretty Good' Heuristic," *The B.E. Journal of Theoretical Economics* Vol. 9: Iss. 1 (Advances), Article 9.
- 5) Shapiro, Jacob N. and David A. Siegel. 2007. "Underfunding in Terrorist Organizations." *International Studies Quarterly* 51 (2): 405-429.  
 • Reprinted in N. Memon, J. D. Farley, D. L. Hicks, and T Rosenorn eds., *Mathematical Methods in Counterterrorism*, Springer Wien New York, 2009.
- 4) Bendor, Jonathan, Sunil Kumar and David A. Siegel. 2007. "Rational Parties and Retrospective Voters." In *Topics in Analytical Political Economy, 17*, edited by William Barnett and Melvin J. Hinich, pp. 1-30. Oxford, UK: Elsevier.

3) Souder PA, Bogorad PL, Brash EJ, Cates GD, Cummings WJ, Gorelov A, Hasinoff MD, Hausser O, Hicks K, Holmes R, Huang JC, Kumar KS, Larson B, Lorenzon W, McCracken J, Michaux P, Middleton H, Saettler E, Siegel D, Tupa D, Wang X, and Young A. Jan 11 1998. "Laser polarized muonic He-3 and spin dependent mu(-) capture." *Nuclear Instruments & Methods in Physics Research Section A-Accelerators Spectrometers Detectors and Associated Equipment*. 402: (2-3) 311-318.

2) Bogorad P, Brash EJ, Cates GD, Cummings WJ, Gorelov A, Hasinoff MD, Hausser O, Hicks K, Holmes R, Huang JC, Krieger D, Kumar KS, Larson B, Lorenzon W, McCracken J, Michaux P, Middleton H, Saettler E, Siegel D, Souder PA, Swenson DR, Thywissen J, Tupa D, Ullom J, Wang X, and Young AR. Oct 21 1997. "A combined polarized target/ionization chamber for measuring the spin dependence of nuclear muon capture in laser polarized muonic He-3." *Nuclear Instruments & Methods in Physics Research Section A-Accelerators Spectrometers Detectors and Associated Equipment*. 398: (2-3) 211-223.

1) Bogorad P, Behr J, Brash EJ, Cates GD, Cummings WJ, Gorelov A, Hasinoff MD, Hausser O, Hicks K, Holmes R, Huang JC, Kumar KS, Larson B, Lorentzon W, McCracken J, Middleton H, Michaux P, Saettler E, Siegel D, Souder PA, Swenson DR, Tupa D, Wang X, and Young A. 1996. "Laser-polarized muonic He-3 and a measurement of the induced pseudoscalar coupling." *Hyperfine Interactions*. 102: 433-437.

#### **PAPERS UNDER REVIEW or REVISION**

“The costs of collective action: an experimental study of risk, punishment, and immunity” with Gloria Cheung

“Measurement That Matches Theory: Theory-Driven Identification in IRT Models” with Marco Morucci, Margaret Foster, Katie Webster, and So Jin Lee

“Can Money Buy Control of Congress?” with William Minozzi and Gabriel Madson

“Talking to the Enemy: Explaining the Emergence of Peace Talks in Interstate War” with Oriana Skylar Mastro

“Diplomatic Signals and the Strategic Use of Terrorism in Civil Wars” with Gabriella Levy, Rebecca Dudley, and Chong Chen

#### **WORKING PAPERS**

“State Interventions and the Growth or Suppression of Terror and Insurgent Attacks” with Margaret Foster, Katie Webster, So Jin Lee, Marco Morucci, Liz Carlson, and Will Moore.

“Innovation versus Resource Demand in the Face of Population Change and Resource Fluctuation” with Charlotte Lee

#### **BOOK REVIEWS**

Siegel, David A. 2013. Review of Meredith Rolfe’s *Voter Turnout: A Social Theory of Political Participation* in the *Journal of Politics* 75 (1): E3 (doi:10.1017/S0022381612001041).

Siegel, David A. 2008. Review of Mikkel Vedby Rasmussens's *The Risk Society at War: Terror, Technology, and Strategy in the Twenty-First Century* in *Perspectives on Politics* 6 (2): 427-428.

## GRANTS AND AWARDS

- 2022-2023. NSF Award for “Theory-based Measurement of Varieties of Power Using a Novel Semi-supervised IRT Model” (\$90,787).
- 2019-2020. Faculty Research Grant for “Pathways of Fear,” Duke. (\$5000).
- 2018-2021. NSF Award for “Decreasing Anti-State Actions: Integrating Theory and Data to Assess Government Policy Options.” (\$250,621).
- 2017. NSF Award for “Workshop: Behavioral Models of Politics.” (\$48,654).
- 2017. Bass Connections project team member for “Networks of Cooperation and Conflict in the Middle East,” Duke. (\$20,000).
- 2017. Intellectual Community Planning Grant, Duke. (\$3000).
- 2015-2016. NSF Award for “COLLABORATIVE RESEARCH/WORKSHOP: Behavioral Models of Politics.” Co-PI with Jonathan Woon. (~\$50,000).
- 2012. Political Ties Award, Political Networks section of APSA. Given for best paper on political networks (2010-2012).
- 2012. Honorable mention for the William F. Riker Prize for the best book in political economics.
- 2010-2013. Subcontractor on NSF NetSE Award for “Shock-Resilient Networking: From Social Analysis to Communication Network Design.” PIs: Chiang, Poor, Salganik, and Shapiro. (\$107,178 to subcontract; \$1.1m total).
- 2007. FSU CRC Cornerstone SSPEG Proposal Award for “Evaluating Democratic Performance.” Co-PI with William Berry *et al.* (\$125,000).
- 2007. First Year Assistant Professor Award, Council on Research and Creativity, Florida State University (\$16,000)
- Jaedicke Merit Award, 2002, Stanford University, Graduate School of Business.
- White Prize (for excellence in teaching), 2000, Harvard University.
- Certificates of Distinction in Teaching, Fall 1996, Spring 1997, Fall 1999, Harvard University.
- John Tyndall Scholarship, 1997-1998, Harvard University.
- Allen Goodrich Shenstone Prize, 1996, Princeton University. Given for outstanding work in experimental physics.
- Sigma Xi Scientific Honor Society, member since 1996.

## INVITED PRESENTATIONS

- 2022 Emory University
- 2021 Carlos III-Juan March Institute of Social Sciences
- 2020 UCLA (canceled), University of Georgia
- 2019 Vanderbilt University, University of Iowa (Networks Conference)
- 2018 University of Texas-Austin, University of Maryland, Rice University
- 2016 Yale University
- 2015 The Pennsylvania State University, Stanford University Graduate School of Business
- 2014 The Pennsylvania State University
- 2012 Duke University, University of Pittsburgh
- 2011 Networks in Political Science Conference (Workshop), George Washington University, University of Virginia (Batten School)
- 2010 The Pennsylvania State University
- 2009 Washington University in St. Louis (Center in Political Economy), The Florida State University (Department of Mathematics), Stony Brook University, University of Minnesota

- 2008 National Defense University (Plenary Talk, Human Social Cultural Behavior Workshop), The Ohio State University (Mershon Center for International Security Studies)
- 2006 University of Kansas, University of Texas at Dallas
- 2005 California Institute of Technology, Institute for Mathematical Methods in Counterterrorism, Emory University, Yale University, George Washington University, University of Chicago, Carnegie Mellon University, The Florida State University

## CONFERENCE PAPERS

American Political Science Association (2003-2014, 2017-2021), International Studies Association (2008-2009, 2013, 2017, 2019), Midwest Political Science Association (2004-2011, 2015, 2017), Networks in Political Science (2009-2010, 2013, 2017), PolMeth NSF Focus Conference on Path Dependency (2010), Southern Political Science Association (2010-2012, 2018), Western Political Science Association (2004, 2018-2019)

## TEACHING AND ADVISING

### Courses:

#### *Graduate*

**Advanced Game Theory** (POLSCI749), Duke and Florida State Universities.

**Intro Game Theory** (POLSCI631), Duke and Florida State Universities.

**Fundamentals of Political Research**, Florida State University.

**Political Institutions**, Florida State University.

#### *Mixed*

**Political Economy of Terrorism** (POLSCI658S), Duke and Florida State Universities.

**Social Networks and Political Interdependence** (POLSCI634), Duke University.

#### *Undergraduate*

**Experimental Political Science** (POLSCI 345), Duke University

**Introduction to Empirical Methods** (POLSCI 630), Ralph Bunche Summer Institute

**Introduction to Terrorism** (POLSCI232), Duke and Florida State Universities.

**World in Your Hand** (POLSCI497), Duke University

**Political Research Methods**, Florida State University.

**Politics and Game Theory**, Florida State University.

### Advising:

#### **Duke:**

Dissertation Advisor/Co-Advisor for: Gloria Cheung (present), Justine Robinson (present), Pei-Yu Wei (present), Stephanie Wright (present), So Jin Lee (2021), Marco Morucci (2021), Margaret Foster (2020), Katie Webster (2019).

Dissertation Committee Member for: Ben Broman (present), Kendrick Hardison (present), Gabby Levy (present), Priscilla Torres (present), Ana Montoya (2022), Gabe Madson (2021), Frances Duffy (2020, UNC), Daniel Gustafson (2020, UNC), Tusi (Ündes) Wen (2020), Chong Chen (2019), Howard Liu (2019), Asli Cansunar (2018), Noa Cnaan-On (2018), Chelsea Estancona (2018, UNC), Sophie Lee (2017), Max Gallop (2015).

MA Thesis Advisor: Anisha Datta (2022), Qi Liu (2022), Saamia Noorali (2019), Jaewon Chung (2016).

MA Thesis Committee Member: Yuelin Wang (2022), Yueyi Li (2022), Taylor Vincent (2019), Bidan Chen (2017), Siyao Cheng (2017), Jinhyuk Jang (2016).

MA Non-Thesis Committee: Jinhee Kwak (2016), Ming-Hsuan Lin (2016), Jian Xu (2015)

Undergraduate Honors Thesis Advisor for: Kyle Melatti (2022), Danielle French (2018), Nick Johnston (2017), Julia Janco (2015).

#### **FSU:**

Dissertation Advisor/Co-Advisor for: Christine Mele (2013), Carlisle Rainey (2013).

Dissertation Committee Member for: Xiaoli Guo (2018), Ammar Shamaileh (2015), Marius Radean (2013), Daniel Hill (2012), Nate Lee (2012), Daniel Milton (2012), Sunhee Park (2012), Justin Conrad (2011), Robert Parrillo (2009).

Undergraduate Honors Thesis Committee Chair for: Michael Brandow (2008), Wesley Yeary (2007).

Undergraduate Honors Thesis Committee Member for: James Loving (2012).

#### **PROFESSIONAL AFFILIATIONS**

American Political Science Association

International Studies Association

Midwest Political Science Association

Southern Political Science Association

#### **SERVICE**

##### *Discipline*

Vice President, APSA Formal Theory Section (2021-2022)

Editorial Board: *American Journal of Political Science* (2019-present), *Journal of Politics* (2019-2020), *Journal of Theoretical Politics* (2014-present)

Local Host for the Political Networks Conference (2019)

Co-organizer, Behavioral Models of Politics Conference (2013, 2014, 2016-2018) and local host (2014, 2017)

Robert H. Durr Award Committee, MPSA (2016)

Section Head for Positive Political Theory, MPSA (2015)

Co-planner, Formal Theory Mini-Conference, SPSA (2012)

Chair/Discussant: American Political Science Association Meetings (2007, 2008, 2011, 2014, 2018, 2019), Conflict Consortium (2013), Emory CSLPE Institutions and Law-Making Conference (2012), FSU Leadership Conference (2011), International Studies Association Meetings (2017), Midwest Political Science Association Meetings (2006, 2007, 2010, 2014), Peace Science Online Community (2016, 2022), Southern Political Science Association Meetings (2012), Virtual Workshop on Authoritarian Regimes (2017).

Referee/Reviewer/External Editor for: American Academy in Berlin, *American Journal of Political Science*, *American Political Science Review*, *American Politics Research*, *American Sociological Review*, Austrian Science Fund, *British Journal of Political Science*, Cambridge University Press, *Comparative Political Studies*, *Complexity*, *Conflict Management and Peace Science*, *Connections*, *Defence and Peace Economics*, *Electoral Studies*, *Environmental Communication*, *Games*, *Games and Economic Behavior*, *Government and Opposition*, Grawemeyer World Order Award, *Information Economics and Policy*, *Interest Groups & Advocacy*, *International Interactions*, *International Studies Quarterly*, *International Studies Review*, Israel Science Foundation, *Journal of Artificial Societies and Social Simulation*, *Journal of Communication*, *Journal of Comparative Economics*, *Journal of Conflict Resolution*, *Journal of Economic Issues*, *Journal of Experimental Political Science*, *Journal of Peace Research*, *Journal of Policy Analysis and Management*, *Journal of Politics*, *Journal of Public Administration Research and Theory*, *Journal of Theoretical Politics*, National Science

Foundation, *Network Science*, Norton, *Operations Research*, Oxford University Press, *Party Politics*, *PLoS ONE*, *PNAS*, *Policy Studies Journal*, *Political Analysis*, *Political Behavior*, *Political Research Quarterly*, *Political Science Research and Methods*, *Political Studies*, *Politics & Gender*, Princeton University Press, *PS: Political Science & Politics*, *Public Choice*, *Quarterly Journal of Political Science*, Sage, *Sage Open*, *Science Advances*, *Security Studies*, *Simulation*, *Social Choice and Welfare*, *Social Forces*, *Social Problems*, *Social Science Quarterly*, Social Sciences and Humanities Research Council, Springer, Swiss National Science Foundation, Time-Sharing Experiments for the Social Sciences, *World Politics*

#### *Duke*

Chair, Diversity, Equity, and Inclusion Committee (2021-2023)  
Chair, Review Committee for Robert Calderbank (2021-2022)  
Member, Executive Committee of the Graduate Faculty (2020-2022)  
Member, MIDS steering committee (2019-)  
Departmental Liaison for Workplace Environment (2018-2019, 2021-2022)  
Member, Graduate Affairs Committee (2017-2018, 2020-2021)  
Chair, Security, Peace, and Conflict Field (2016-2018, 2020-2021)  
Member, Search Committee for Asian-American Search (2020)  
Member, Workplace Environment Committee (2018)  
Chair, Search Committee for Security, Peace, and Conflict (2017-2018)  
Member, Search Committee Member for Security, Peace, and Conflict Visiting Assistant Professor (2017)  
Member, A&S Council Faculty Research Committee (2016-2019)  
Member, Academic Council Faculty Compensation Committee (2015-2018)  
Co-coordinator, Behavior & Identity and Institutions Seminar Series (2014-2016)  
Co-coordinator, Security, Peace, and Conflict Seminar Series (2015, 2017-2018)  
Coordinator, Math Camp (2014-present)

#### *FSU*

Field Representative for Methods and Grad Committee member, FSU (2011-2012)  
Field Representative for Comparative Politics and Grad Committee member, FSU (2010-2011)  
Co-founder, Center for Democratic Performance, FSU, and Executive Committee (2008-2010)  
Executive Committee, Department of Political Science, FSU (2009-2010)  
Subfield Coordinator for Formal Theory, FSU (2007-2013)