

# Justin Esarey

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## Positions Held

Associate Professor of Political Science (with tenure), Rice University	July 2017–present
Assistant Professor of Political Science, Rice University	July 2012–July 2017
Assistant Professor of Political Science, Emory University	July 2008–July 2012

## Education

PhD in Political Science, Florida State University Advisor: William D. Berry	2008
MS in Political Science, Florida State University	2004
BS in Economics, Bowling Green State University Summa cum Laude	2002
BA in Political Science, Bowling Green State University Minor: Mathematics • Summa cum Laude	2002

## Publications

1. Esarey, Justin. 2018. "What Makes Someone a Political Methodologist?" Conditionally accepted at *PS: Political Science and Politics*.
2. Esarey, Justin, and Andrew Wood. 2017. "Blogs, Online Seminars, and Social Media as Tools of Scholarship in Political Science." *PS: Political Science and Politics*, forthcoming.
3. Esarey, Justin, and Andrew Menger. 2017. "Practical and Effective Approaches to Dealing with Clustered Data." *Political Science Research and Methods* (available on First View). DOI: <https://doi.org/10.1017/psrm.2017.42>.
4. Esarey, Justin, and Jane Lawrence Sumner. 2017. "Marginal Effects in Interaction Models: Determining and Controlling the False Positive Rate." *Comparative Political Studies* (available on First View). DOI: <https://doi.org/10.1177/0010414017730080>.
5. Esarey, Justin, and Leslie Schwindt-Bayer. 2017. "Women's Representation, Accountability, and Corruption in Democracies." *British Journal of Political Science* (available on First View). DOI: <https://doi.org/10.1017/S0007123416000478>.
6. Esarey, Justin. 2017. "Does Peer Review Identify the Best Papers? A Simulation Study of Editors, Reviewers, and the Scientific Publication Process." *PS: Political Science and Politics* 50(4): 963-969.

**Note:** this paper was profiled by [Inside Higher Ed](#).

7. Esarey, Justin, and Jacqueline H. R. Demeritt. 2017. "Political Context and the Consequences of Naming and Shaming for Human Rights Abuse." *International Interactions* 43(4): 589-618. DOI: <http://dx.doi.org/10.1080/03050629.2016.1223656>.
  8. Esarey, Justin, and Ahra Wu. 2016. "Measuring the Effects of Publication Bias in Political Science." *Research & Politics* 3(3): 1-9. DOI: <http://dx.doi.org/10.1177/2053168016665856>.
  9. Esarey, Justin. 2016. "Fractionally Integrated Data and the Autodistributed Lag Model: Results from a Simulation Study." *Political Analysis* 24(1): 42-49.
  10. Berry, William D., Jacqueline H. R. Demeritt, and Justin Esarey. 2016. "Bias and Overconfidence in Parametric Models of Interactive Processes." *American Journal of Political Science* 60(2): 521-539.
  11. Esarey, Justin, and Nathan Danneman. 2015. "A Quantitative Method for Substantive Robustness Assessment." *Political Science Research and Methods* 3(1): 95-111.
  12. Esarey, Justin, and Jacqueline H. R. Demeritt. 2014. "Defining and Modeling State-dependent Dynamic Systems." *Political Analysis* 22(1): 66-85.
  13. Esarey, Justin, and Gina Chirillo. 2013. "'Fairer Sex' or Purity Myth? Corruption, Gender, and Institutional Context." *Politics and Gender* 9(4): 390-413.
- Note:** This paper was profiled by [Reuters](#), [Time](#), [New York Magazine](#), [Slate](#), [The Guardian](#), [WDET Radio](#), and in the [Jezebel](#) blog.
14. Esarey, Justin, and Andrew Pierce. 2012. "Assessing Fit Quality and Testing for Misspecification in Binary-Dependent Variable Models." *Political Analysis* 20(4): 480-500.
  15. Esarey, Justin, Timothy C. Salmon, and Charles Barrilleaux. 2012. "Social Insurance and Income Redistribution in a Laboratory Experiment." *Political Research Quarterly* 65(3): 685-698.
  16. Esarey, Justin, Timothy C. Salmon, and Charles Barrilleaux. 2012. "What Motivates Political Preferences? Self-Interest, Ideology, and Fairness in a Laboratory Democracy." *Economic Inquiry* 50(3): 604-624.
  17. Berry, William D., Jacqueline H. R. Demeritt and Justin Esarey. 2010. "Testing for Interaction in Binary Logit and Probit Models: Is a Product Term Essential?" *American Journal of Political Science* 54(1):248-266.
  18. Ahn, TK, Justin Esarey, and John Scholz. 2009. "Reputation and Cooperation in Voluntary Exchanges: Comparing Local and Central Institutions." *Journal of Politics* 71(2): 398-413.
  19. Esarey, Justin, Bumba Mukherjee, and Will H. Moore. 2008. "Strategic Interaction and Interstate Crises: A Bayesian Quantal Response Estimator for Incomplete Information Games." *Political Analysis* 16:250-273.
  20. Ahn, TK and Justin Esarey. 2008. "A Dynamic Model of Generalized Social Trust." *Journal of Theoretical Politics* 20: 151-180.

#### Book Chapters

1. Schwindt-Bayer, Leslie, Justin Esarey, and Erika Schumacher. 2018. "Gender and Citizen Responses to Corruption among Politicians: The U.S. and Brazil." In *Gender and Corruption:*

*Historical Roots and New Avenues for Research*, eds. Helena Stensöta and Lena Wägnerud. London: Palgrave Macmillan. URL: <https://goo.gl/Gf5a3t>.

2. Esarey, Justin. 2017. "Causal Inference with Observational Data." Chapter 4 in *Analytics, Policy, and Governance*, eds. Jennifer Bachner, Kathryn Wagner Hill, and Benjamin Ginsberg. New Haven: Yale University Press. URL: <https://goo.gl/saLmUs>.

### *Revise and Resubmit*

1. Esarey, Justin, and Leslie Schwindt-Bayer. "Estimating Causal Relationships Between Women's Representation in Government and Corruption." Invited to revise and resubmit at *Comparative Political Studies*.

### **Working Papers**

1. Esarey, Justin, and Jacob Jaffe. "A Direct Test for Consistency of Random Effects Models that Outperforms the Hausman Test."
2. Esarey, Justin, and Vera Liu. "A Prospective Test for Replicability and a Retrospective Analysis of Theoretical Prediction Strength in the Social Sciences."

### **Software**

1. clusterSEs package for R (version 2.3.3 uploaded 3/5/2017). URL: <https://goo.gl/RgFvYY>. As of March 20, 2018, this package has been downloaded 22266 times from the RStudio CRAN mirror.
2. interactionTest package for R (version 1.0.1 uploaded 3/21/2017). URL: <https://goo.gl/8DGTjb>. Co-authored with Jane Lawrence Sumner. As of March 20, 2018, this package has been downloaded 4793 times from the RStudio CRAN mirror.
3. Course Workload Estimator Shiny App (version 1.0 uploaded 7/15/2016). URL: <https://shiny.justinesarey.com/riceworkloadapp/>. Co-authored with Elizabeth Barre. As of March 20, 2018, this software has been accessed in 40754 sessions (as measured by Google Analytics).

**Note:** This software won the [2017 POD innovation award](#) of the Professional and Organizational Development Network in Higher Education.

4. heatmapFit package for R (version 2.0.4 uploaded 6/6/2016). Co-authored with Andrew Pierce and Jericho Du. URL: <http://goo.gl/AIJtOS>. As of March 20, 2018, this package has been downloaded 12497 times from the RStudio CRAN mirror.
5. cstar package for R (version 1.0 uploaded 5/18/2014). Co-authored with Nathan Danneman. URL: <http://goo.gl/YVp3eV>. As of March 20, 2018, this package has been downloaded 9283 times from the RStudio CRAN mirror.

### **Grants and Fellowships**

1. Justin Esarey (PI). 2014-2017. National Science Foundation Grant #1423825: "An Online International Methods Colloquium for Quantitative Methodology in Political Science." \$252,384.

2. Justin Esarey (PI). 2010. Emory University Research Committee Grant: "A Formal Test of Substantive Significance." \$15,400.
3. Charles Barrilleaux (PI), Tim Salmon and Justin Esarey (Co-PIs). 2007-2009. National Science Foundation Grant #0720055: "Explaining Preferences for Social Insurance and Redistribution in a Laboratory Democracy." \$108,000.
4. University Fellowship (non-duty), Florida State University. 2006-2007. \$19,500 + tuition waiver.
5. National Science Foundation Graduate Research Fellowship Program Honorable Mention. 2004.
6. College Teaching Fellowship, Florida State University. 2003. \$15,000 + tuition waiver.
7. National Merit Finalist. 1999-2002. Full tuition, room, and board scholarship to Bowling Green State University.

### **Institutional and Professional Service**

1. Editor, *The Political Methodologist*  
Website: <https://www.thepoliticalmethodologist.com> 2013-present
2. Moderator and Principal Investigator  
International Methods Colloquium  
Website: <https://www.methods-colloquium.com/> 2014-present
3. Graduate Committee Member and Head of the Methodology Field  
Rice Department of Political Science  
[break during AY 2015-16 for junior leave] 2013-present
4. Program Committee  
Annual Meeting of the Society for Political Methodology  
Brigham Young University 2018
5. SSRI Faculty Advisory Committee  
Rice University College of Social Sciences 2017-present
6. Publications Committee  
Society for Political Methodology 2017-present
7. Comparative Politics Junior Faculty Search Committee  
Rice University Department of Political Science 2017-2018
8. Chair, Ad Hoc Review Committee  
Data Science Applicants to Political Science 2017
9. Ad Hoc Task Force Member  
Social Sciences Quantitative Methods Syllabus Development 2017
10. Host and Chair of the Program Committee  
Annual Meeting of the Society for Political Methodology  
July 21-23 at Rice University 2016

11. Section Head for Political Methodology  
Southern Political Science Association Annual Conference 2015-2016
12. Section Head for Political Methodology  
Midwest Political Science Association Annual Conference 2014-2015
13. Dean's Advisory Committee  
Rice University College of Social Sciences 2013-2015
14. Junior Faculty Search Committee  
Rice University Department of Political Science 2014
15. Organizer (with Drew Linzer)  
Dimensions in Methodology at Emory University Conference 2010
16. Organizer  
Pi Sigma Alpha Mini-conference for Undergraduate Research  
April 16, 2010 at Emory University 2010
17. Advisor  
Pi Sigma Alpha honorary society  
for undergraduate political science majors 2009-2012
18. Graduate Committee Member  
Emory Department of Political Science 2008-2012
19. Senior Faculty Search Committee  
Florida State Department of Political Science 2006
20. Graduate Program External Review Committee  
Florida State Department of Political Science 2006
21. Junior Faculty Search Committee  
Florida State Department of Political Science 2005
22. Graduate Computer Lab Coordinator  
Florida State Department of Political Science 2003-2008

## Teaching Experience

1. Introduction to Social Scientific Thinking I (PhD: POLI 500), Fall 2014-2017, Rice University.
2. Advanced Maximum Likelihood (PhD: POLI 505), Spring 2015, Rice University.
3. Nonparametric Models and Machine Learning (PhD: POLI 507), Spring 2013, 2014, and 2017, Rice University.
4. Bayesian Statistics (PhD: POLI 506), Fall 2012, 2013, 2017 and Spring 2015, Rice University.
5. Introduction to Statistics (Undergraduate: POLI 395), Fall 2013 and 2015 and Spring 2017, Rice University.
6. Introduction to Statistics (MA in Global Studies: GBL 503), Fall 2015, Rice University.
7. The Linear Model (PhD: POLS 509), Spring 2010, 2011, 2012, Emory University.

8. Political Science Research Methods (Undergraduate: POLS 208), Spring and Fall 2009, Spring and Fall 2011, Emory University.
9. Advanced Game Theory (PhD: POLS 514), Fall 2008, 2009, 2010, and 2011, Emory University.
10. Applied Game Theory (PhD: POLS 515), Spring 2012, Emory University.
11. Presidency (Undergraduate: POLS 341), Fall 2008 and Spring 2010, Emory University.
12. Introduction to Public Policy (Undergraduate: PUP 3002), Summer 2005 and Summer 2006, Florida State University.

#### *Other Teaching Activities*

1. Esarey, Justin. "Teaching Quantitative Methods to Social Science Undergraduates with a Flipped Classroom." Teaching demonstration presented at the De Lange Conference IX, October 13-14 2014, Rice University.
2. [YouTube video channel \(http://goo.gl/mR68LV\)](http://goo.gl/mR68LV) with over 30 PhD-level instructional statistics videos. As of March 20, 2018, the videos have been viewed 180263 times since they were uploaded starting in 2012.

#### **Additional Training**

Program for Instructional Excellence Fall Program, Florida State University	2006
Empirical Implications of Theoretical Models Summer Workshop Washington University in St. Louis	2005

#### **Honors and Awards**

<a href="#">2017 POD Innovation Award</a> (with Elizabeth Barre) Professional and Organizational Development Network in Higher Education Awarded for developing the <a href="#">Course Workload Estimator Shiny App</a>	2017
George W. Pruet, Jr. Award for Best Graduate Student Paper Department of Political Science, Florida State University	2005, 2006
Undergraduate Research Paper Award American Academy of Political and Social Science	2004
President's Award for Outstanding Academic Achievement (4.0 Undergraduate GPA) Bowling Green State University	2002
Mayeux Prize for Outstanding Honors Thesis Bowling Green State University	2002
Phi Beta Kappa, Xi of Ohio Chapter Bowling Green State University	2002

## Conference Presentations

1. Esarey, Justin, and Jacob Jaffe. "A Direct Test for Consistency of Random Effects Models that Outperforms the Hausman Test." Paper presented at the 2017 Annual Meeting of the Society for Political Methodology.
2. Esarey, Justin, and Jacob Jaffe. "A Direct Test for Consistency of Random Effects Models that Outperforms the Hausman Test." Paper presented at the 2017 Time and Space Conference at Texas A&M University.
3. Esarey, Justin, and Jacob Jaffe. "A Direct Test for Consistency of Random Effects Models that Outperforms the Hausman Test." Paper presented at the 2017 Texas Methods Meeting at the University of Houston.
4. Esarey, Justin, and Vera Liu. "A Prospective Test for Replicability and a Retrospective Analysis of Theoretical Prediction Strength in the Social Sciences." Poster presented at the 2017 Texas Methods Meeting at the University of Houston.
5. Esarey, Justin, and Andrew Menger. "Practical and Effective Approaches to Dealing with Clustered Data." Poster presented at the 2017 Texas Methods Meeting at the University of Houston.
6. Esarey, Justin, and Andrew Wood. "Blogs, Online Seminars, and Social Media as Tools of Scholarship in Political Science." Paper presented at the 2016 Annual Meeting of the American Political Science Association.
7. Esarey, Justin, and Andrew Menger. "Practical and Effective Approaches to Dealing with Clustered Data." Paper presented at the 2016 Annual Meeting of the Southern Political Science Association.
8. Esarey, Justin, and Andrew Menger. "Practical and Effective Approaches to Dealing with Clustered Data." Paper presented at the 2015 Annual Meeting of the Society for Political Methodology.
9. Esarey, Justin, and Andrew Menger. "Practical and Effective Approaches to Dealing with Clustered Data." Paper presented at the 2015 Annual Meeting of the Midwestern Political Science Association.
10. Esarey, Justin, and Leslie Schwindt-Bayer. "Women's Representation, Accountability, and Corruption in Democracies." Paper presented at the 2015 European Conference on Politics and Gender at Uppsala University.
11. Roundtable presentation at a workshop of the National Research Council of the National Academies: "Statistical Challenges in Assessing and Fostering the Reproducibility of Scientific Results: A Workshop." Presented on Thursday, February 26th. Agenda for conference available here: <http://goo.gl/93zlBs>.
12. Esarey, Justin. "Using One-Sided Conditional Relationships as Instrumental Variables for Causal Identification." Poster presented at the 2014 Annual Meeting of the Society for Political Methodology.
13. Esarey, Justin and Leslie Schwindt-Bayer. "Gender, Corruption, and Accountability: Why Women are (Sometimes) More Resistant to Corruption Than Men." Presented at the Interna-

tional Workshop of the SFB 700, "Why is Gender Equality Good for Governance?" at Freie Universität, Berlin.

14. Esarey, Justin and Leslie Schwindt-Bayer. "Gender, Corruption, and Accountability: Why Women are (Sometimes) More Resistant to Corruption Than Men." Presented at the 2014 Texas Triangle Research Conference.
15. Esarey, Justin and Ahra Wu. "The Fault in our Stars: Measuring and Mitigating 'Significance Bias' in Political Science." Paper presented at the 2013 Annual Meeting of the American Political Science Association.
16. Esarey, Justin and Ahra Wu. "Assessing and Correcting Publication Bias." Poster presented at the 2013 Annual Meeting of the Society for Political Methodology.
17. Esarey, Justin, and Jacqueline H. R. Demeritt. "Political Context and the Effectiveness of 'Naming and Shaming' for Human Rights Abuses." Paper presented at the 2013 Annual Meeting of the Midwest Political Science Association.
18. Esarey, Justin, and Jacqueline H. R. Demeritt. "Political Context and the Effectiveness of 'Naming and Shaming' for Human Rights Abuses." Paper presented at the 2013 Texas Triangle Research Conference.
19. Esarey, Justin, and Jane Lawrence. "Overconfidence in Testing of Interaction Hypotheses: Determining and Controlling the False Positive Rate." Paper presented at the 2012 Annual Meeting of the Society for Political Methodology.
20. Esarey, Justin, and Andrew Pierce. "A New Model Specification and Fit Assessment Statistic for Binary Dependent Variable Models." Paper presented at the 2011 Annual Meeting of the American Political Science Association.
21. Esarey, Justin, and Jacqueline H. R. Demeritt. "State-dependent Dynamic Systems: A Model and Application to "Naming and Shaming" for Human Rights Abuses." Poster presented at the 2011 Annual Meeting of the Society for Political Methodology.
22. Esarey, Justin and Neza Sarkari. "Violent Political Dissent, Ethnic Heterogeneity, and Political Institutions." Paper presented at the 2010 Annual Meeting of the Southern Economic Association.
23. Esarey, Justin. "Substantive Significance and the Presentation of Marginal Effects." Presentation at the Dimensions in Methodology at Emory University Conference.
24. Esarey, Justin. "Substantive Significance and the Presentation of Marginal Effects." Paper presented at the 2010 Annual Meeting of the Society for Political Methodology.
25. Berry, William, Jacqueline H. R. Demeritt, and Justin Esarey. "Estimating Binary Dependent Variable Models Under Conditions Of Specification Ambiguity." Poster presented at the 2010 Annual Meeting of the Society for Political Methodology.
26. Esarey, Justin. "A Formal Test of Substantive Significance." Paper presented at the 2010 Annual Meeting of the Midwest Political Science Association.
27. Esarey, Justin and Gina Chirillo. "Corruption and Female Participation in Government." Paper presented at the 2010 Annual Meeting of the Midwest Political Science Association.



28. Esarey, Justin, and Neza Sarkari. "Democracy, Diversity, and Political Stability: Institutional Effects on Ethnic Conflict." Paper presented at the 2010 Annual Meeting of the Southern Political Science Association.
29. Esarey, Justin. "Bayesian Statistical Decision Theory and a Critical Test for Substantive Significance." Paper presented at the 2009 Annual Meeting of the American Political Science Association.
30. Esarey, Justin. "Calculated Risks: A Rational Choice Method for Interpreting Statistical Results." Poster presented at the 2009 Annual Meeting of the Society for Political Methodology.
31. Esarey, Justin. "Competitive Budgeting and Bureaucratic Control: A Theory and Experimental Test." Presented at the 2008 Annual Meeting of the American Political Science Association.
32. Esarey, Justin. "An Experiment in Strategic Budgeting." Poster presented at the 2008 Annual Meeting of the Society for Political Methodology.
33. Esarey, Justin, Bumba Mukherjee, and Will H. Moore. "A Fixed-Effects Bayesian Quantal Response Estimator for Incomplete Information Games." Presented at the 2007 Annual Meeting of the American Political Science Association.
34. Ahn, TK, Justin Esarey, and John Scholz. "Centralized vs. Localized Reputation Mechanisms in Enhancing Cooperation." Presented at the 2007 Annual Meeting of the American Political Science Association.
35. Berry, William, Justin Esarey, and Jacqueline H. Rubin. "Testing Binary Dependent Variable Models Under Conditions of Specification Uncertainty." Poster presented at the 2007 Annual Meeting of the Society for Political Methodology.
36. Esarey, Justin, Bumba Mukherjee, and Will H. Moore. "A Fixed-Effects Bayesian Quantal Response Estimator for Incomplete Information Games." Poster presented at the 2007 Annual Meeting of the Society for Political Methodology.
37. Berry, William, Justin Esarey, and Jacqueline H. Rubin. "Testing for Interaction in Binary Logit and Probit Models: Is a Product Term Essential?" Presented at the 2007 Annual Meeting of the Midwest Political Science Association.
38. Esarey, Justin. "Continuous Choice Quantal Response Estimation of a Principal-Agent Model." Presented at the 2006 Annual Meeting of the American Political Science Association.
39. Esarey, Justin, Tim Salmon, and Charles Barrilleaux. "What Motivates Political Preferences? Self-Interest, Ideology, and Fairness in a Laboratory Democracy." Presented at the 2006 Annual Meeting of the Midwest Political Science Association, and the 2006 Annual Meeting of the Southern Political Science Association.
40. Ahn, TK, Justin Esarey, and John Scholz. "Networks and Collective Action: An Experimental Investigation of Reputation and Strategy Selection." Presented at the 2005 Annual Meeting of the American Political Science Association.
41. Ahn, TK, and Justin Esarey. "Evolutionary Stable Signals of Trustworthiness." Presented at the 2004 Annual Meeting of the American Political Science Association.
42. Esarey, Justin, and TK Ahn. "Strategic and Norm-Driven Behavior in a Laboratory Experiment." Presented at the 2004 Annual Meeting of the American Political Science Association.

## References

Available upon request.