

# Gov 2008 Experimental Political Science

Ryan Enos

[renos@gov.harvard.edu](mailto:renos@gov.harvard.edu)

Dustin Tingley

[dtingley@gov.harvard.edu](mailto:dtingley@gov.harvard.edu)

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CGIS S-153

Office hours

Enos, Wednesday 2-4PM and by appointment

Tingley, by appointment

## Overview

The use of experimental and quasi-experimental data in political science is increasingly common. Researchers in comparative politics, American politics and international relations, and even political theory, are incorporating laboratory, survey, field, and natural experiments into their research designs. The field of political methodology is regularly contributing to ways that experimental and quasi-experimental data may be analyzed.

This graduate level class will introduce students to experimental techniques and applications of experiments in political science. We will cover arguments about why experiments are useful, and arguments about why they are not useful. No one type of experimentation will be privileged and instead we will cover a variety of approaches.

While we will cover some statistical material, this class is not a substitute for the standard graduate methodology sequence. Students must have taken Gov 2000 and 2001 either prior to taking the class, or concurrently with 2001.

## Assignments

There are three types of assignments.

1. Research Journal: Each student will maintain a page on the course website. On this page they will keep weekly notes on the readings and course materials as they relate to their research agendas. They will also be required to write down a research question at the beginning of class and in weeks 3-6 to write a brief research proposal (~500 words) using the methodology from that week to test the question.
2. Each student will be required to present to the class a summary and critique of papers from a week chosen by the instructors. This will include contributing to a course wiki and adding additional resources (readings, datasets, other sources) related to the topic.
3. Finally, students will collaborate to produce a final project that contains an original experimental design and preliminary data collection. This will include a budget justification. Class size will dictate the number of collaborative groups.

## Grades

30% weekly notes and reflections (posted on course website prior to Monday at 2pm)

25% presentation

45% final project

## **Required Books**

Cambridge Handbook of Experimental Political Science, Eds. Druckman et al.  
("Handbook")

Experimental Political Science and the Study of Causality: From Nature to the Lab  
Rebecca, Morton and Kenneth Williams ("Morton/Williams")

## **Collaboration**

Collaboration is an important part of scholarship and is allowed in this class. You should do your own research journal, because otherwise that'd be pretty pointless.

## **Part 1: Introduction to Experiments and Experimental Inference (Why experiments?)**

*Week 1-Introduction to Experiments in Political Science (January 26<sup>th</sup>)*

Handbook Chapter 6: Laboratory Experiments in Political Science (Shanto Iyengar)

Handbook Chapter 8: The Logic and Design of the Survey Experiment: An Autobiography of a  
Methodological Innovation (Paul Sniderman)

Handbook Chapter 9: Field Experiments in Political Science (Alan Gerber)

Druckman, James N., Donald P. Green, James H. Kuklinski, and Arthur Lupia. 2006. "The Growth and  
Development of Experimental Research Political Science." *American Political Science Review*  
100: 627-635.

Gelman, Andrew. 2014 "Experimental Reasoning in Social Science." In *Field Experiments and their  
Critics*, ed. Dawn Teele. Yale University Press.

## Recommended

Morton/Williams Chapter 2 "Experiments and Causal Relations" (highly recommended)

Gerber, Alan S., Donald P. Green, and Edward H. Kaplan. 2004. "The Illusion of Learning from  
Observational Research". In Ian Shapiro, Rogers Smith, and Tarek Massoud, eds., *Problems and  
Methods in the Study of Politics*. New York: Cambridge University Press, pp. 251-73.

Chilton, Adam, and Dustin Tingley. 2013. "Why the Study of International Law Needs Experiments."  
*Columbia Journal of Transnational Law*, 52(1), 173-238.

*Week 2: Causal Inference and Statistical Best Practices with Experimental Data (February 2<sup>nd</sup>)*

Imai, Kosuke, Gary King, and Clayton Nall. 2009. "The Essential Role of Pair Matching in Cluster-Randomized Experiments, with Application to the Mexican Universal Health Insurance Evaluation" (with discussions and rejoinder), *Statistical Science*, Vol. 24, No. 1 (February), pp. 29-53.

Kosuke Imai, Luke Keele, Dustin Tingley and Teppei Yamamoto "Unpacking the Black Box of Causality: Learning about Causal Mechanisms from Experimental and Observational Data", 2011, *American Political Science Review*, 105(4), pp. 765-789

Gerber, Alan, and Donald P. Green. (2012). *Field Experiments*. Norton: New York. Chapters 2 and 3

McDermott, Rose. (2011) "Internal and External Validity", chapter 3, in *Cambridge Handbook of Experimental Political Science*, Eds. Druckman et al.

### Recommended

Morton/Williams Chapter 3 "The Causal Inference Problem and the Rubin Causal Model" and Chapter 4 "Controlling Observables and Unobservables"

Imai, Kosuke, Dustin Tingley, and Teppei Yamamoto. 2013. "Experimental designs for identifying causal mechanisms." *Journal of the Royal Statistical Society: Series A (Statistics in Society)* 176.1: 5-51.

Bullock, John G., Donald P. Green, and Shang E. Ha. 2010. "Yes, But What's the Mechanism? (Don't Expect an Easy Answer)," *Journal of Personality and Social Psychology* 98 (April): 550-58.

Chassang, Sylvain, Gerard Padro i Miquel and Erik Snowberg. 2012. "Selective Trials: A Principal-Agent Approach to Randomized Controlled Experiments," *American Economic Review*, 2012, 102(4): 1279–1309.

Wantchekon, Leonard and Jenny Guardardo. 2011. "Methodology Update: Randomized Controlled Trials, Structural Models and the Study of Politics," *Journal of African Economies*, 20 (4) pp 653-672/

Ho, Daniel E. and Kosuke Imai. (2006). "Randomization Inference With Natural Experiments: An Analysis of Ballot Effects in the 2003 California Recall Election." *Journal of the American Statistical Association*, V. 101, No. 475 (September), pp.888 - 900

Rosenbaum, Paul, 2002, *Observational Studies* (Springer Series in Statistics). (Order on Amazon or checkout from library)

Bowers, Jake and Ben Hansen 2008. "Covariate Balance in Simple, Stratified and Clustered Comparative Studies," *Statistical Science*.23(2)219-236

Bowers, Jake and Costas Panagopoulos. 2011, Fisher's randomization mode of statistical inference, then and now. Unpublished Manuscript. <http://www.jakebowers.org/PAPERS/BowPan-Fisher.pdf>

## **Part 2: Types of Experiments in Political Science**

*Week 3: Laboratory Experiments (February 9<sup>th</sup>)*

*Meet in Harvard Decision Science Laboratory (<http://decisionlab.harvard.edu/>)*

Morton and Williams Chapter 7 (Validity and Experimental Manipulations)

Falk, Armin and James J. Heckman, "Lab Experiments Are a Major Source of Knowledge in the Social Sciences," *Science* 23 October 2009: 326 (5952), 535-538.

Rosnow, Ralph L. and Robert Rosenthal. 1997. *People Studying People: Artifacts and Ethics in Behavioral Research*. New York: Freeman and Company. (chapters 1-4).

Horton JJ, Rand DG, Zeckhauser RJ. 2011. The Online Laboratory: Conducting Experiments in a Real Labor Market. *Experimental Economics* 14 399-425.

Douglas R Oxley, Kevin B Smith, John R Alford, Matthew V Hibbing, Jennifer L Miller, Mario Scalora, Peter K Hatemi, and John R Hibbing. 2008. "Political Attitudes Vary with Physiological Traits," *Science*, 321(5896):1667-1670.

Aaroe, Lene, and Michael Bang Petersen. 2013. "Hunger Games: Fluctuations in Blood Glucose Levels Influence Support for Social Welfare." *Psychological Science* 24(12): 2550-2556.

### Recommended

Levitt, Steven D., and John A. List. 2007. "What Do Laboratory Experiments Measuring Social Preferences Reveal About the Real World?" *Journal of Economic Perspectives* 21(2): 153-174.

Handbook chapter 4: Students as Experimental Participants: A Defense of the "Narrow Data Base" (James Druckman and Cindy D. Kam)

Cohen, Geoffrey L. 2003. "Party Over Policy: The Dominating Impact of Group Influence on Political Beliefs". *Journal of Personality and Social Psychology* Vol. 85, No. 5, 808-822

Rosenthal, Robert, and Donald B. Rubin. 1978 "Interpersonal expectancy effects: The first 345 studies." *Behavioral and Brain Sciences* 1.03: 377-386.

Sears, David O. "College Sophomores in the Laboratory: Influences of a Narrow Data Base on Social Psychology's View of Human Nature." *Journal of Personality and Social Psychology*, Vol 51(3), Sep 1986, 515-530.

*Week 4: Survey Experiments (February 16<sup>th</sup>)*

Tomz, Mike. 2007. "Domestic Audience Costs in International Relations: An Experimental Approach." *International Organization* 61, no. 4: 821–40.

Tomz, Mike, and van Houweling, Robert, 2009, "The Electoral Implications of Candidate Ambiguity." *American Political Science Review* 103, no. 1: 83–98.

Hainmueller, J. and Hiscox, M. J. (2010). "Attitudes Toward Highly Skilled and Low-skilled Immigration: Evidence from a Survey Experiment." *American Political Science Review*, 104(01), 61.

Bullock, John G. "Elite Influence on Public Opinion in an Informed Electorate." *American Political Science Review* 105(3): 496-515.

Kevin J. Mullinix, Thomas J. Leeper, James N. Druckman, and Jeremy Freese. "The Generalizability of Survey Experiments." *Journal of Experimental Political Science*: In press.

Recommended

Barabas, Jason, and Jennifer Jerit. 2010. "Are Survey Experiments Externally Valid?" *American Political Science Review*, 104(2).

Leeper, Thomas J., and Rune Slothuus. 2015 "Can Citizens Be Framed? How Information, Not Emphasis, Changes Opinions." Working Paper.

Prior, Markus and Arthur Lupia. 2008. "Money, Time, and Political Knowledge: Distinguishing Quick Recall and Political Learning Skills." *American Journal of Political Science*, 52 (1): 168-182.

Tomz, Mike and Robert Van Houweling. 2008. "Candidate Positioning and Voter Choice." *American Political Science Review* 102, no. 3: 303–18.

Berinsky, Adam J., Gregory A. Huber, and Gabriel S. Lenz. "Evaluating Online Labor Markets for Experimental Research: Amazon.com's Mechanical Turk." *Political Analysis*. 2012. 20(3): 351-368

Tingley, Dustin, and Michael Tomz. 2013. "Conditional Cooperation and Climate Change." *Comparative Political Studies*.

Jamie Druckman and Rose McDermott "Emotion and the Framing of Risky Choice," *Political Behavior* 30: 297-321.

Chong, Dennis and Jamie Druckman "Framing Theory," *Annual Review of Political Science* 10: 103-126, 2007

Blair, Graeme and Kosuke Imai. 2012. "Statistical Analysis of List Experiments." *Political Analysis*, Vol. 20, No. 1 (Winter), pp. 47-77.

Trager, Robert F. Trager and Lynn Vavreck. 2011. "The Political Costs of Crisis Bargaining: Presidential Rhetoric and the Role of Party". *American Journal of Political Science* 55 (3) 526-545.

*Week 5: Field Experiments (February 23<sup>rd</sup>)*

Paluck, Elizabeth.Levy. (2009). "Reducing intergroup prejudice and conflict using the media: A field experiment in Rwanda," *Journal of Personality and Social Psychology*, 96, 574-587

Gerber, Alan, Greg Huber, and Ebonya Washington. 2010 "Party Affiliation, Partisanship, and Political Beliefs: A Field Experiment," *American Political Science Review*.

Gerber, Alan, Dean Karlan and Daniel Bergan. 2009. "Does the Media Matter? A Field Experiment Measuring the Effect of Newspapers on Voting Behavior and Political Opinions." 2009. *American Economic Journal: Applied Economics* (January).

White, Ariel R., Noah L. Nathan, and Julie K. Faller. "What Do I Need to Vote? Bureaucratic Discretion and Discrimination by Local Election Officials." *American Political Science Review* 109.01 (2015): 129-142.

Kendall, Chad, Tommaso Nannicini, and Francesco Trebbi. "How do voters respond to information? evidence from a randomized campaign." *American Economic Review*, 105(1):322–353, 2015.

### Recommended

Wanchemon, Leonard. 2003. "Clientelism and Voting Behavior: Evidence from a Field Experiment in Benin," *World Politics*, Vol. 55, pp.399-422

Moehler, Devra C., and Jeffrey Conroy-Krutz. "Partisan Media and Engagement: A Field Experiment in a Newly Liberalized System." *Political Communication* (2015): 1-19.

J. Darley and J. Cooper, "The 'Clean for Gene' Phenomenon: The Effects of Students' Appearance on Political Campaigning." *Journal of Applied Social Psychology*, 2 ( 1972).

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Butler, Daniel M., and David E. Broockman. 2011. "Do Politicians Racially Discriminate against Constituents? A Field Experiment on State Legislators." *American Journal of Political Science* 55 (3): 463-477.

Alvarez, R. Michael, Asa Hopkins, and Betsy Sinclair. 2010. "Mobilizing Pasadena Democrats: Measuring The Effects of Partisan Campaign Contacts". *The Journal of Politics* 72, 31-44.

Gay, Claudine. 2011. "Moving to Opportunity: The Political Effects of a Housing Mobility Experiment". *Urban Affairs Review*.

Addonizio, Elizabeth M., Donald P. Green and James M. Glaser. 2007. "Putting the Party Back into Politics: An Experiment Testing Whether Election Day Festivals Increase Voter Turnout". *PS: Political Science & Politics* 40, pp 721-727.

Grose, Christian R. 2014. "Field Experimental Work on Political Institutions." *Annual Review of Political Science*

*Week 6: Natural Experiments (March 1<sup>st</sup>)*

Enos, Ryan D. 2015. "What the Demolition of Public Housing Teaches Us About the Impact of Racial Threat on Political Behavior," *American Journal of Political Science*

Atkinson, M.D. and Fowler, A., 2014. Social capital and voter turnout: evidence from saint's day fiestas in Mexico. *British Journal of Political Science*, 44(01), pp.41-59.

Sekhon, Jasjeet S., and Rocio Titiunik. 2012. "When natural experiments are neither natural nor experiments." *American Political Science Review* 106.01 (2012): 35-57.

Grossman, Guy, Devorah Manekin, and Dan Miodownik. 2015. The political legacies of combat: Attitudes Towards War and Peace Among Israeli Excombatants. International Organization.

Healy, Andrew J., Neil Malhotra, and Cecilia Hyunjung Mo. 2010. "Irrelevant Events Affect Voters' Evaluations of Government Performance", *PNAS* vol. 107 no. 29 12804-12809

Fowler, Anthony and B. Pablo Montagnes. 2015. "College Football, Elections, and False-Positive Results in Observational Research." *Proceedings of the National Academy of Sciences* 112(45):13800-13804.  
-and exchange

### Recommended

Hall, Andrew B. "What Happens When Extremists Win Primaries?" *American Political Science Review*, forthcoming.

Washington, Ebonya. 2008. "Female Socialization: How Daughters Affect Their Legislator Fathers' Voting on Women's Issues," *American Economic Review*, 98 (1), 311-332.

Robinson, Gregory, John E. McNulty, and Jonathan S. Krasno. 2009. "Observing the Counterfactual? The Search for Political Experiments in Nature". *Political Analysis* 17 (4). 358-376.

Elis, Roy, Neil Malhotra, and March Meredith. 2009. "Apportionment Cycles as Natural Experiments". *Political Analysis* 17 (4). 341-357.

Dowling, Conor M., Ryan D. Enos, Anthony Fowler, and Costas Panagopoulos. 2012. "Does Public Financing Chill Political Speech? Exploiting a Court Injunction as a Natural Experiment," *Election Law Journal* 11 (3):302–315

Deaton, Angus. 2010. "Instruments, Randomization, and Learning about Development," *Journal of Economic Literature*, 48(2), 424-455.

Posner, Daniel N. 2004. "The Political Salience of Cultural Difference: Why Chewas and Tumbukas Are Allies in Zambia and Adversaries in Malawi." *American Political Science Review* 98 (4): pp. 529-545.

Bernard Fraga and Eitan Hersh. 2011. "Voting Costs and Voter Turnout in Competitive Elections", *Quarterly Journal of Political Science* 5 (4) 339-356.

Andreas Madestam† and David Yanagizawa-Drott. 2011. "Political Preferences and Behavior in the United States". Working Paper.

*Week 7: No class. Meetings with Enos/Tingley to discuss research projects (March 8<sup>th</sup>)*

*March 15<sup>th</sup> meeting: spring break (class convenes in Ibiza)*

*Week 8: Ethics and Research Transparency (March 22<sup>nd</sup>)*

Humphreys, Macartan, "Ethical Challenges of Embedded Experimentation " available at <http://www.columbia.edu/~mh2245/papers1/20110912Ethics.pdf>

David Nickerson, 2011, "When the Client Owns the Data", *The Experimental Political Scientist* available at <http://scholar.harvard.edu/sites/scholar.iq.harvard.edu/files/dtingley/files/fall2011.pdf>

Morton/Williams Chapter 12 (Ethics) and 13 (Deception)

Enos, Ryan D., Anthony Fowler, and Lynn Vavreck. 2014. "Increasing Inequality: The Effect of GOTV Mobilization on the Composition of the Electorate," *Journal of Politics* 76 (1):273–288.

Humphreys, Macartan, Raul Sanchez de la Sierra, and Peter van der Windt. 2013. "Fishing, Commitment, and Communication: A Proposal for Comprehensive Nonbinding Research Registration." *Political Analysis* 21(1): 1-20.

Hertwig, R. and Ortmann, A., 2008. Deception in experiments: Revisiting the arguments in its defense. *Ethics & Behavior*, 18(1), pp.59-92.



### Part 3: Topical Applications of Experiments in Political Science

Week 9: Voting (March 29<sup>th</sup>)

Marco Battaglini, Rebecca Morton, and Thomas Palfrey, 2010, “The Swing Voter’s Curse in the Laboratory,” *Review of Economic Studies*, Issue 1, pages 61-89.

Gailmard, Sean, Tim Feddersen and Alvaro Sandroni, 2009, “Moral Bias in Large Elections: Theory and Experimental Evidence,” *American Political Science Review*, 103(2), 175-192

Enos, Ryan D. and Anthony Fowler. 2014. “Pivotality and Turnout: Evidence from a Field Experiment in the Aftermath of a Tied Election,” *Political Science Research and Methods* 2 (02):309–319.

Gerber, Alan S., and Donald P. Green, and Christopher W. Larimer. 2008. “Social Pressure and Voter Turnout: Evidence from a Large-Scale Field Experiment.” *American Political Science Review* 102(1): 33-48.

Milgram, Stanley. 2010 (1977). “Subject Reaction: The Neglected Factor in the Ethics of Experimentation,” in *The Individual in the Social World*, Thomas Blass (ed), Padstow, Great Britain: TJ International Ltd. 166-174.

#### Recommended

Nickerson, David. 2010. “Is Voting Contagious? Evidence from Two Field Experiments”. *American Political Science Review* 102 (1) 49-57.

Krasno, Jonathan S. and Donald P. Green. 2008. “Do Televised Presidential Ads Increase Voter Turnout? Evidence from a Natural Experiment”. *The Journal of Politics* 70, 245-261.

Gerber, Alan and Todd Rogers. 2009. “Descriptive Social Norms and Motivation to Vote: Everybody’s Voting and so Should You”. *The Journal of Politics* 71. 178-191.

Kousser, Thad and Megan Mullin. 2007. “Does Voting by Mail Increase Participation? Using Matching to Analyze a Natural Experiment”, *Political Analysis* 15 (4). 428-445.

Green, Donald P. and Lynn Vavreck. 2008. “Analysis of Cluster-Randomized Experiments: A Comparison of Alternative Estimation Approaches” *Political Analysis* 16 (2). 138-152.

Gerber, Alan S., Donald P. Green, Edward Kaplan, and Holger Kern. 2010. “Baseline, Placebo, and Treatment: Efficient Estimation for Three-Group Experiments”. *Political Analysis* 18 (3). 297-315.

Huber, G.A., Hill, S.J. and Lenz, G.S., 2012. Sources of bias in retrospective decision making: Experimental evidence on voters' limitations in controlling incumbents. *American Political Science Review*, 106(04), pp.720-741.

Sondheimer, Rachel Milstein, and Donald P. Green. 2010. "Using Experiments to Estimate the Effects of Education on Voter Turnout." *American Journal of Political Science* 54(1): 174-189.

Enos, Ryan D. and Anthony Fowler. 2014. "The Effects of Large-Scale Campaigns on Voter Turnout: Evidence from 400 Million Voter Contacts." Working Paper.

*Week 10: Bargaining and Public Goods (April 5<sup>th</sup>)*

Ostrom, Eleanor, James Walker and Roy Gardner "Covenants With and Without a Sword: Self-Governance is Possible" *American Political Science Review* 86(2) (June 1992): 404-17

T. K. Ahn, Ostrom, Eleanor, James Walker "A Common-Pool Resource Experiment with Postgraduate Subjects from 41 Countries" *Ecological Economics* 69(12) (October 2010): 2624-33.

Tingley, Dustin "The Dark Side of the Future: An Experimental Test of Commitment Problems in Bargaining", 2011, *International Studies Quarterly*, 55, pp. 521-544

Rose McDermott, Dustin Tingley, Jonathan Cowden, Giovanni Frazzetto, and Dominic Johnson, 2009, "Monoamine oxidase A gene (MAOA) predicts behavioral aggression following provocation", *Proceedings of the National Academy of Sciences*, 106(7), 2118-2123

Dickson, Eric. 2009 "Do Participants and Observers Assess Intentions Differently During Bargaining and Conflict? An Experiment." *American Journal of Political Science* 53(4), 910-930.

#### Recommended

Winking, Jeffrey, and Nicholas Mizer. "Natural-field Dictator Game Shows no Altruistic Giving." *Evolution and Human Behavior* 34.4 (2013): 288-293.

Battaglini, Marco and Uliana Makarov, Cheap Talk with Multiple Audiences: An Experimental Analysis, [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1789794](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1789794)

Dickson, Eric S. "Leadership, Followership, and Beliefs about the World: An Experiment." *British Journal of Political Science*, forthcoming

Dickson, Eric S., Sanford C. Gordon, and Gregory A. Huber. 2009. "Enforcement and Compliance in an Uncertain World: An Experimental Investigation." *Journal of Politics* 71(4):1357-1378.

Clark, David, Timothy Nordstrom, Katri Sieberg, William Reed, Charles Holt, "Some Experimental Results for a Quantal Response Bargaining Model of War"  
[http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1643267](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1643267)

Rand, David, Nowak MA. 2011. "The Evolution of Antisocial Punishment in Optional Public Goods Games." *Nature Communications*. 2, 434.

*Week 11: Development (April 12<sup>th</sup>)*

Handbook Chapter 27 "Experimental Research on Democracy and Development" (Leonard Wantchekon and Ana de la O)

Raghobendra Chattopadhyay and Esther Duflo. 2004. "Women as Policy Makers: Evidence from a Randomized Policy Experiment in India". *Econometrica* 72 (5), 1409-1443.

James Habyarimana, Macartan Humphreys, Dan Posner and Jeremy Weinstein. "Why Does Ethnic Diversity Undermine Public Goods Provision? An Experimental Approach." *American Political Science Review* 101.04 (2007): 709-725.

Olken, Benjamin A. 2010. "Direct Democracy and Local Public Goods: Evidence from a Field Experiment in Indonesia". *American Political Science Review* 104 (2), 243-267.

Olken, Benjamin A. 2007." Monitoring Corruption: Evidence from a Field Experiment in Indonesia". *Journal of Political Economy* 115 (2), 200-249.

Recommended

James D. Fearon, Macartan Humphreys, and Jeremy M. Weinstein 2009 "Can Development Aid Contribute to Social Cohesion after Civil War? Evidence from a Field Experiment in Post-Conflict Liberia" *American Economic Review* 99:2 available at .  
<http://www.columbia.edu/~mh2245/papers1/aer2009.pdf>

Humphreys, Macartan and Jeremy Weinstein. 2009. "Field Experiments and the Political Economy of Development." *Annual Review of Political Science*

*Week 12: Intergroup Relations (April 19<sup>th</sup>)*

Enos, Ryan D. and Noam Gidron. Forthcoming. "Intergroup Behavioral Strategies as Contextually Determined: Experimental Evidence from Israel," *Journal of Politics*

Enos, Ryan D. 2014. "The Causal Effect of Intergroup Contact on Exclusionary Attitudes," *Proceedings of the National Academy of Sciences of the United States of America* 111 (10):3699–3704.

Iyengar, Shanto and Sean J Westwood. 2014. "Fear and Loathing Across Party Lines: New Evidence on Group Polarization." *American Journal of Political Science*.

Hainmueller, Jens, and Dominik Hangartner. "Who gets a Swiss passport? A Natural Experiment in Immigrant Discrimination." *American Political Science Review* 107.01 (2013): 159-187.

Alexander, Marcus, and Fotini Christia. "Context Modularity of Human Altruism." *Science* 334.6061 (2011): 1392-1394.

#### **Part 4: Research Presentations**

Week 13: Presentations (April 26<sup>th</sup>): Extended class, time TBA as appropriate for class size.