

Peter M. Aronow

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Curriculum Vitae (December 14, 2017)

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Appointments

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| Yale University (New Haven, CT) | |
| Associate Professor (on term), Department of Political Science | 2017 – |
| Associate Professor (on term), Department of Biostatistics (by courtesy) | 2017 – |
| Resident Faculty Fellow, Institution for Social and Policy Studies | 2013 – |
| Faculty Affiliate, Center for the Study of American Politics | 2013 – |
| Faculty Affiliate, Institute for Network Science | 2014 – |
| Faculty Affiliate, Operations Research Doctoral Program | 2015 – |

Previous Appointments

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| Yale University (New Haven, CT) | |
| Assistant Professor, Department of Political Science | 2014 – 2017 |
| Assistant Professor, Department of Biostatistics (by courtesy) | 2015 – 2017 |
| Lecturer Convertible, Department of Political Science | 2013 |
| Columbia University (New York, NY) | |
| Predocutorial Staff Associate, Department of Political Science | 2012 – 2013 |

Education

Yale University (New Haven, CT)
Ph.D. in Political Science, with departmental distinction, received December 2013
M.A. in Political Science, received May 2013
M.Phil. in Political Science, received December 2012

The Cooper Union for the Advancement of Science and Art (New York, NY)
B.Eng. in Mechanical Engineering, *summa cum laude*, received May 2008

Books

Peter M. Aronow and Benjamin T. Miller. Forthcoming. *Foundations of Agnostic Statistics*. Cambridge University Press.

Articles (Methodology)

Peter M. Aronow and Cyrus Samii. Forthcoming. Estimating Average Causal Effects under General Interference, with Application to a Social Network Experiment. *Annals of Applied Statistics*. [Selected by *AoAS* for invited plenary session with discussion at the Atlantic Causal Inference Conference, May 2018.]

- Forrest W. Crawford, Peter M. Aronow, Li Zeng and Jianghong Li. Forthcoming. Identification of Homophily and Preferential Recruitment in Respondent-driven Sampling. *American Journal of Epidemiology*.
- Peter M. Aronow, Jonathon Baron and Lauren Pinson. Forthcoming. A Note on Dropping Experimental Subjects who Fail a Manipulation Check. *Political Analysis*.
- Peter M. Aronow and Molly R. Offer-Westort. 2017. Understanding Ding's Apparent Paradox. *Statistical Science*. 32(3): 346 – 348.
- Peter M. Aronow, Nicole E. Basta and M. Elizabeth Halloran. 2017. The Regression Discontinuity Design under Interference: A Local Randomization-Based Approach. *Observational Studies*. 2: 129 – 133.
- Peter M. Aronow and Cyrus Samii. 2016. Does Regression Produce Representative Estimates of Causal Effects? *American Journal of Political Science*. 60(1): 250 – 267.
- Jake Bowers, Mark Fredrickson and Peter M. Aronow. 2016. Research Note: A More Powerful Test Statistic for Reasoning about Interference between Units. *Political Analysis*. 24(3): 395 – 403.
- Peter M. Aronow. 2016. Data-adaptive Causal Effects and Superefficiency. *Journal of Causal Inference*. 4(2).
- Peter M. Aronow, Cyrus Samii and Valentina A. Assenova. 2015. Cluster-Robust Variance Estimation for Dyadic Data. *Political Analysis*. 23(4): 564 – 577.
- Peter M. Aronow, Alexander Coppock, Forrest W. Crawford and Donald P. Green. 2015. Combining List Experiment and Direct Question Estimates of Sensitive Behavior Prevalence. *Journal of Survey Statistics and Methodology*. 3: 43 – 66.
- Joel A. Middleton and Peter M. Aronow. 2015. Unbiased Estimation of the Average Treatment Effect in Cluster-Randomized Experiments. *Statistics, Politics and Policy*. 6(1 – 2): 39 – 75.
- Peter M. Aronow and Forrest W. Crawford. 2015. Nonparametric Identification for Respondent-Driven Sampling. *Statistics and Probability Letters*. 106: 100 – 102.
- Peter M. Aronow, Donald P. Green and Donald K.K. Lee. 2014. Sharp Bounds on the Variance in Randomized Experiments. *Annals of Statistics*. 42(3) 850 – 871.
- Peter M. Aronow, David R. Mayhew and Winston Lin. 2014. A Note on Close Elections and Regression Analysis of the Party Incumbency Advantage. *Statistics, Politics and Policy*. 5(1 – 2): 1 – 11.
- Donald P. Green, Brian R. Calfano and Peter M. Aronow. 2014. Field Experimental Designs for the Study of Media Effects. *Political Communication*. 31(1): 168 – 180.
- Peter M. Aronow and Donald K. K. Lee. 2013. Interval Estimation of Population Means under Unknown but Bounded Probabilities of Sample Selection. *Biometrika*. 100(1): 235 – 240.

Peter M. Aronow and Joel A. Middleton. 2013. A Class of Unbiased Estimators of the Average Treatment Effect in Randomized Experiments. *Journal of Causal Inference*. 1(1): 135 – 144.

Peter M. Aronow and Cyrus Samii. 2013. Conservative Variance Estimation for Sampling Designs with Zero Pairwise Inclusion Probabilities. *Survey Methodology*. 39(1): 231 – 241. [French translation: Estimation prudente de la variance pour des plans d'échantillonnage avec probabilités d'inclusion par paire nulles. *Techniques d'enquête*. 39(1): 257 – 267.]

Peter M. Aronow and Donald P. Green. 2013. Sharp Bounds for Average Complier Potential Outcomes in Experiments with Noncompliance and Incomplete Reporting. *Statistics and Probability Letters*. 83(3): 677 – 679.

Peter M. Aronow and Allison Carnegie. 2013. Beyond LATE: Estimation of the Average Treatment Effect with an Instrumental Variable. *Political Analysis*. 21(4): 492 – 506. [Reprinted in *Advances in Political Methodology*, 2017, Ed. Robert J. Franzese Jr. Elgar Research Collections.]

Peter M. Aronow. 2012. A General Method for Detecting Interference Between Units in Randomized Experiments. *Sociological Methods and Research* 41(1): 3 – 16.

Cyrus Samii and Peter M. Aronow. 2012. On Equivalencies Between Design-Based and Regression-Based Variance Estimators for Randomized Experiments. *Statistics and Probability Letters*. 82(2): 365 – 370.

Articles (Empirics)

Peter M. Aronow, Dean Karlan and Lauren E. Pinson. Forthcoming. The Effect of Images of Michelle Obama's Face on Trick-or-Treaters' Dietary Choices: A Randomized Controlled Trial. *PLOS ONE*.

Peter M. Aronow, Lauren Pinson, Molly Offer-Westort and Ana Cristina Perez-Gea. 2017. Information and Access to United Nations Diplomatic Missions: Results from a Randomized Field Experiment. *Applied Economics Letters*. 24(9): 594 – 597.

Peter M. Aronow and Benjamin T. Miller. 2016. Policy Misperceptions and Support for Gun Control Legislation. *The Lancet* 387(10015): 223. [Featured in editorial, Gun Violence in America: A National Crisis. *The Lancet* 387(10015): 200.]

Elizabeth Levy Paluck, Hana Shepherd and Peter M. Aronow. 2016. Changing Climates of Conflict: A Social Network Experiment in 56 Schools. *Proceedings of the National Academy of Sciences*. 113(3): 566 – 571.

Fan Zhang and Peter M. Aronow. 2016. "Driving Fatalities on US Presidential Election Days": A Reanalysis. *BMC Research Notes*. 9: 341.

Martin Cohen, Mary C. McGrath, Peter Aronow and John Zaller. 2016. Ideologically Extreme Candidates in U.S. Presidential Elections, 1948 – 2012. *Annals of the American Academy of Political and Social Science*. 667(1): 126 – 142.

Mary C. McGrath, Peter M. Aronow and Vivien Shotwell. 2016. Chocolate Scents and Product Sales: A Randomized Controlled Trial in a Canadian Bookstore and Café. *SpringerPlus*. 5:670.

Joshua L. Kalla and Peter M. Aronow. 2015. Editorial Bias in Crowd-Sourced Political Information. *PLOS ONE*. 10(9): e0136327.

Donald P. Green, Mary C. McGrath and Peter M. Aronow. 2013. Field Experiments and the Study of Voter Turnout. *Journal of Elections, Public Opinion and Parties*. 23(1): 27 – 48.

Donald P. Green, Peter M. Aronow, Daniel E. Bergan, Pamela Greene, Celia Paris and Beth I. Weinberger. 2011. Does Knowledge of Constitutional Principles Increase Support for Civil Liberties? Results from a Randomized Field Experiment. *Journal of Politics* 73(2): 463 – 476.

Essays and Technical Reports

David Broockman, Joshua Kalla and Peter M. Aronow. 2015. Irregularities in LaCour (2014). Posted at http://web.stanford.edu/~dbroock/broockman_kalla_aronow_lg_irregularities.pdf.

Will Portman, Peter M. Aronow and Allison Carnegie. 2014. Adaptively Deploying and Evaluating Aid: An Integrated Approach. [Winner of the 2014 *Next Horizons Essay Contest*, held by the Global Development Network and the Bill and Melinda Gates Foundation.]

Working Papers

Fredrik Sävje, Peter M. Aronow and Michael G. Hudgens. Average Treatment Effects in the Presence of Unknown Interference.

Peter M. Aronow, Forrest W. Crawford and José R. Zubizarreta. Confidence Intervals for Linear Unbiased Estimators under Constrained Dependence.

Peter M. Aronow. A Note on “How Robust Standard Errors Expose Methodological Problems They Do Not Fix, and What to Do About It.”

Brian R. Calfano, Peter M. Aronow and Donald P. Green. Assessing the Efficacy of Public Service Announcements: Results from Three Radio-based Field Experiments.

Statistical Software

Peter M. Aronow, Forrest W. Crawford and José R. Zubizarreta. 2017. depinf: “Confidence Intervals for Linear Unbiased Estimators under Constrained Dependence”. R package. Available at <https://github.com/jrzubizarreta/depinf>.

Peter M. Aronow, Dean Eckles and Kyle Peyton. 2015. icsw: Inverse Compliance Score Weighting. R package. Version 0.9. Available on CRAN.

Peter M. Aronow and Cyrus Samii. 2012. ri: R Package for Performing Randomization-Based Inference for Experiments. R package. Version 0.9. Available on CRAN.

Grants

EGAP Standards Grant: Design and Regularized Analysis of (Sequential) Factorial Designs (PI, joint work with Jonathon Baron, Molly Offer-Westort and Cyrus Samii, awarded in 2017).

J-PAL North America Grant: Reducing Teen Births among Latinas: A Pilot RCT to Test the Effectiveness of Radio Messages (co-PI with Donald P. Green, awarded in 2015).

Invited Presentations

Atlantic Causal Inference Conference (Johns Hopkins 2012; Harvard 2013, CMU 2018, *upcoming*).

Yale Humanities & Social Science Teaching and Learning Lunch (2018, *upcoming*).

Carnegie Mellon University Statistics Seminar (2017).

NYU Politics Methods Seminar (2017).

Columbia University Causal Inference Conference: Varying Treatment Effects (2017).

University of Wisconsin-Madison Statistics Seminar (2016).

Causal Inference with Highly Dependent Data in Communicable Diseases Research Workshop (Harvard 2016).

University of Washington Biostatistics Seminar (2016).

UC Berkeley Sekhon Group Meeting (2016).

UC Berkeley Biostatistics Seminar (2015, 2016).

Berkeley Initiative for Transparency in the Social Sciences Annual Meeting (2015).

West Coast Experiments Conference (UC Davis 2015).

Kurt Lewin Institute Thematic Workshop (Leiden 2015).

MIT Political Methodology Seminar (2015).

Yale Statistics Seminar (2014).

Yale School of Public Health Biostatistics Seminar (2014).

Columbia American Politics Workshop (2014).

Harvard Applied Statistics Workshop (2013).

Columbia Political Science Methods Workshop (2013).

University of Chicago Program on International Political Economy and Security (2013).

Johns Hopkins School of Public Health Causal Inference Seminar (2012).

The Tools of International Pressure (Yale 2012).

Teaching Experience

Statistics. Graduate seminar. Fall 2013, Fall 2014.

Quantitative Methods. Graduate seminar. Spring 2014, Spring 2015, Spring 2017.

Advanced Quantitative Methods. Graduate seminar. Fall 2011 (as TF).

Causal Inference and Research Design. Graduate seminar. Spring 2017.

Political Economy of Foreign Aid. Undergraduate seminar. Spring 2014, Spring 2015, Fall 2016, Fall 2017.

Parties, Elections and Policy Making. Undergraduate lecture. Spring 2012 (as TF).

Directed readings with graduate students in political psychology, the European Union, machine learning, mixed-methods research design, experimental design, democratic peace theory, network analysis, measure theoretic probability theory, semiparametric inference and causal inference. Spring 2014, Fall 2014, Spring 2015, Fall 2016, Spring 2016.

Awards, Honors and Fellowships

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| Yale Junior Faculty Fellowship | 2015 – 2016 |
| Leamer-Rosenthal Prize for Open Social Science, Emerging Researcher | 2015 |
| GDN Next Horizons Essay Contest Winner | 2014 |
| Yale University Fellowship | 2009 – 2013 |
| Falk Fellowship | 2011 – 2013 |
| Alma Fuhrman Corlett Gainfort Fellowship | 2010 – 2011 |
| Yale Institution for Social and Policy Studies Fellowship | 2009 – 2011 |
| The Cooper Union Full Tuition Merit Scholarship | 2002 – 2008 |
| The Dale Harris Prize for Best Essay in an Art History Course at the Cooper Union | 2007 |
| Tau Beta Pi (The Engineering Honor Society) Chapter Scholarship | 2005 |

Graduate Advisory

Molly Offer-Westort, Yale GSAS. Ph. D. Candidate, Political Science (Current; Dissertation Committee).
Benjamin Miller, Yale GSAS. Ph. D. Candidate, Political Science (Current; Dissertation Committee).
Jonathon Baron, Yale GSAS. Ph. D. Candidate, Political Science (Current; Dissertation Committee).
Daniel Masterson, Yale GSAS. Ph. D. Candidate, Political Science (Current; Dissertation Committee).
Tiara Willie, YSPH. Ph. D. Candidate, Chronic Disease Epidemiology (Current; Dissertation Committee).
Xiaoxuan Cai, YSPH. Ph. D. Candidate, Biostatistics (Current; Doctoral Applied Area Committee Member, Dissertation Committee). M.S., Biostatistics (2015; Thesis Advisor).
Drew Dimmery, NYU. Ph. D., Politics (2016; Dissertation External Reader)
Alex Bazazi, YSPH. Ph. D., Epidemiology of Microbial Diseases. (2016; Dissertation Committee, Qualifying Exam Committee).
Fan Zhang, YSPH. M.P.H., Biostatistics (2015; Masters Thesis Advisor). [Recipient of the 2015 Dean's Prize for Outstanding Thesis.]

Service

Associate Editor: *Journal of Causal Inference* (2015 –). *Statistics, Politics and Policy* (2013 – 2016).
Member: Evidence in Governance and Politics (2013 –).

Reviewer: *American Journal of Epidemiology*, *American Journal of Political Science*, *American Political Science Review*, *Annals of Statistics*, *Bioinformatics*, *Biometrika*, *British Journal of Sociology*, *British Journal of Political Science*, *Econometrica*, *Economics Letters*, *Electronic Journal of Statistics*, *Epidemiology*, Icelandic Research Fund, IFAU, *Journal of the American Statistical Association* (Applications & Case Studies; Theory & Methods), *Journal of Causal Inference*, *Journal of Experimental Political Science*, *Journal of Peace Research*, *Journal of Politics*, *Journal of the Royal Statistical Society* (Series A; Series B), National Science Foundation (Methodology, Measurement and Statistics), *Journal of Retailing and Consumer Services*, *Journal of Survey Statistics and Methodology*, *PLOS ONE*, Polish-U.S. Fulbright Commission, *Political Analysis*, *Political Behavior*, *Political Science Research and Methods*, *Proceedings of the National Academy of Sciences*, *Review of Economic Studies*, *Scandinavian Journal of Statistics*, *Statistica Sinica*, *Statistical Science*, *Statistics and Probability Letters*, *Statistics in Medicine*, *Survey Methodology*, *Quarterly Journal of Political Science*.

Conference Organization: EGAP 18 (Co-host, Yale University, 2016). “Theory of Agnostic Statistics: A Discussion” (Host, Yale University, 2016).

Department and University Service: Organizer, MacMillan Center-CSAP Workshop on Quantitative Research Methods (Fall 2013, Spring 2014, Fall 2014, Spring 2015, Fall 2016, Spring 2016). Chair, Quantitative Methods General Exam Committee (August 2014, January 2015, August 2016, January 2017, August 2017, January 2018). Member, Graduate Admissions Committee (2014 – 2015). Member, Open Rank Methodology Search Committee (2015 – 2016). Member, Junior American Institutions and Behavior Search Committee (2016 – 2017). Member, James Gordon Bennett Prize Committee for Best Senior Essay in International Relations (2016 – 2017).