

D. Alex Hughes

Curriculum Vitae

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Current Appointment

- 2016–present **Post Doctoral Researcher**, *University of California, Berkeley*, School of Information.
2015–present **Lecturer**, *University of California, Berkeley*, School of Information.
Department of Data Science
2018 **Faculty in Residence**, *Cisco Systems*, Enterprise Data Science Office.

Education

- 2011–2016 **Ph.D.**, *University of California, San Diego*.
2009–2011 **M.A.**, *University of California, San Diego*.
2004–2008 **B.A., B.A.**, *University of Michigan, Ann Arbor*.
B.A. in Political Science; B.A in Economics.

Research Agenda

I research how group identity shapes political access and how social connections shape political behavior. In my current project, I examine how voters' group identity shapes electoral services they receive, specifically access to the ballot on Election Day. I find that minority status inhibits access, and that this effect is more pronounced in areas that voted for the Republican candidate in the 2016 election.

Publications

- 2018 [Phenotypic Preference in Mexican Migrants: Evidence from a Random Household Survey](#). With Rosario Aguilar and Micah Gell-Redman. In Press at *Political Behavior*.
(IF: 2.14)
2017 [The Impact of GOTV Depends Upon Campaign Context: A Field Experiment in the 2014 California Primary](#). With Justin Levitt, Seth Hill, and Thad Kousser. *California Journal of Politics and Policy* 9(2).
2017 [Exploiting Social Influence to Magnify Population-Level Behavior Change in Maternal and Child Health: Study Protocol for a Randomized Controlled Trial of Network Targeting Algorithms in Rural Honduras](#). With Holly Shakya, Derek K. Stafford, Thomas Keegan, Rennie Negron, Jai Broome, Mark McKnight, Liza Nicoll, Jennifer Nelson, Emma Iriarte, Maria Ordonez, Edo Airoldi, James H. Fowler, Nicholas A. Christakis. *BMJ Open* 2017:7.
(2.6)
2016 [Prevalence and correlates of depression in a high emigration town in Oaxaca, Mexico: Findings from a binational student research training program](#). With Meredith C. Meacham, Micah Gell-Redman, María Luisa Zúñiga. *Annals of Global Health* 82(3): 542.
(1.4)
2016 [Intimate partner violence norms cluster within households: an observational social network study in rural Honduras](#). With Holly Shakya, Derek K. Stafford, Nicholas A. Christakis, James H. Fowler, Jay G. Silverman. *BMC Public Health* 16:233, 2016.
(2.3)
2015 [Social network targeting to maximise population behaviour change: a cluster randomised controlled trial](#). With David A. Kim, Allison R. Hwang, Derek K. Stafford, James O'Malley, James H. Fowler, and Nicholas A. Christakis. *The Lancet*, 2015.
(39.2)
2014 [The Role of Self Interest in Elite Bargaining](#). With Brad L. Leveck, James H. Fowler, Emilie M. Hafner-Burton, David G. Victor. *Proceedings of the National Academies of Sciences*, 111(52): 18536-18541.
(9.8)

- 2014 *One Step in and One Step Out: The Lived Experience of Immigrant Participants in the Deferred Action for Childhood Arrivals (DACA) Program*. With Hillary S. Kosnack, Wayne Cornelius, Tom K. Wong, Micah Gell-Redman. Center for Comparative Immigration Studies, La Jolla, CA.
- 2013 *The Cognitive Revolution and the Political Psychology of Elite Decision Making*. With (3.0) Emilie M. Hafner-Burton, & David G. Victor. *Perspectives on Politics* 11(2):368-386, June 2013.

Published Software

- 2015 *Trellis* Tablet based social network measurement software. With Nicholas A. Christakis, James H. Fowler, Derek K. Stafford, & Mark McKnight.
- 2010 *Netriks* Software to measure real-world social networks in developing contexts. Utilized in studies in Honduras, Uganda, Mexico & Ghana. With Bret Abel and Derek K. Stafford.

In Process

- Under Review Continuing Evidence of Discrimination Among Local Election Officials. With Micah Gell-Redman, Charles Crabtree, Natarajan Krishnaswami, Guillermo Monge, & Diana Rodenberger. *Nominated for MPSA Lucius Barker award*.
- Working Papers Producing Live Global Event Data from Streaming Twitter. With Zachary Steinert-Threlkeld
- Direct Contact Types and Voter Mobilization in the 2016 General Election. With Micah Gell-Redman, and Michael Rivera.
- Social Networks and Social Information Cause Coordination and Turnout to Politics. With Derek K. Stafford.
- Close Ties Cause Increases in Public Goods Provision. With Derek K. Stafford.
- Are Republican Sheriffs Tougher on Crime? Evidence from a Regression Discontinuity Design. With Charles Crabtree, and Micah Gell-Redman.
- Estimating Causal Quantities about Tone in Audit Experiments. With Micah Gell-Redman.
- Estimating the Effects of Local Election Official Co-Ethnicity on Response to Minority Citizens. With Charles Crabtree, and Micah Gell-Redman.
- Climate Change and Local Electoral Turnover. With Nick Obradovich.

Teaching Honors

- 2018, 2017 & 2016 *Distinguished Faculty Award*. Awarded to one outstanding I School faculty member per graduating class, who was heavily involved in the academic life of students, demonstrated leadership, and provided superior academic or professional guidance and advice. Forty faculty are eligible.

Select Grants

- 2017 Impact Evaluation for "Communities Building Peace Together." USAID.
- 2017 "International Workshop on Statistical Genetic Methods for Complex Human Traits."
- 2017 "Exploring the relationship between online synchronous interaction and learning outcomes," UC Berkeley & 2U. \$25,000.
- 2016 "Sanford Lakoff Fellowship", UC San Diego. \$2,500.
- 2013 "Social Influence in Networks to Magnify Population-Level MNCH Behavior Change." With Nicholas A. Christakis, James H. Fowler, Holly Shakya, & Derek K. Stafford. The Bill & Melinda Gates Foundation. \$4,233,430.

- 2012 "Utilizing Networks for Dramatic Health Change." With Nicholas A. Christakis, James H. Fowler, Holly Shakya, & Derek K. Stafford. *The Bill & Melinda Gates Foundation*. \$250,000.
- 2011 "Rural Ghanaian Political Behavior." With Nick Obradovich. *AFRN, Scripps Institution of Oceanography* and the *Waite Institute*. \$12,000.
- 2008 "Social Networks and Undergraduate Health Outcomes." *The Altarum Institutue*. \$5,000.

Graduate Instruction

Instructor of Record

- 2015–present *Design and Analysis of Field Experiments*. Masters course on causal inference and design based inference.
- Fall 2014 *Research and Methodology*. PhD course OLS regression, probability, and linear algebra.
- 2014, 2013, 2012 *Math Bootcamp* PhD course on calculus, linear algebra, sets, and probability.

Lab Instructor

- 2013, 2012 *Research and Methodology*. Graduate level introduction to OLS regression, probability, and linear algebra.
- 2014, 2013 *Intermediate Political Methodology*. Graduate level maximum likelihood estimation. Dichotomous DVs, MLE, hierarchical models, bootstrapping methods, non-parametric regression.

Undergraduate Instruction

Instructor of Record

- 2013–2014 *Mexican Migration Field Research Program*. Intensive seminar on research design, survey and questionnaire item design, introductory statistics. Capstone project is 1-month field data collection in Oaxaca, MX. Lecturer, mentor, and co-organizer.
- 2012 *Honors Research Seminar*. Research seminar for advanced undergraduates. Lecturer, mentor, and co-organizer.

Teaching Fellow

- 2011, 2010 *Stats for Political Science Undergraduates*. Introduce concepts of theory building, hypotheses and inference.
- 2012, 2011 *Introduction to American Political Institutions*, for Gary Jacobson.
- 2010 *Program Design and Evaluation*.

Service to the Department & Discipline

- 2012–Present *Reviewer*. *American Journal of Political Science*, *Journal of Politics*, *Political Research Quarterly*, *Perspectives on Politics*, *Climactic Change*, *Political Psychology*, *Nature Climate Change*, *Journal of Social and Political Psychology*, *Research and Politics*
- 2010–Present *Member* American Political Science Association, Society for Political Networks, Society for Political Methodology
- 2014 *APSA Political Networks Section*, Leadership Committee: Conference Fellowship Awards Committee.
- 2014 *Graduate Admissions Committee*. University of California, San Diego.

Professional Experience

- 2016– *External Expert* for USAID DRG-LER Impact Evaluation
- 2015 *Research Assistance* for Seth J. Hill and Thad Kousser. Responsible for design, and analysis, and authoring in a project using 20M record California Voter File database and a layered randomized-placebo-controlled trial.

- 2014 *Research Assistance* for Wayne Cornelius and the *Mexican Migration Field Research Program*. Analysis, coding and authoring of funding reports, journal articles, and book.
- 2013 *Research Assistance* for Zoltan Hajnal and Barbara F. Walter. Analysis verification.
- 2010–2016 *Research Assistance* for James H. Fowler.
- 2010–present *Research Scholar* responsible for primary data collection through mTurk & Qualtrics, analysis, and writing. Laboratory on International Law and Regulation, UC San Diego.
- 2010–Present *Board of Directors*. Union Microfinanza. Lempira, Honduras.

Invited Talks

- 2015 New Faces in Political Methodology. *Penn State Quantitative Social Science Initiative*. Quantitative Approaches to Public Health. UC San Diego.
- 2013 Procedures for Network Identification in Rural Settings, with Derek K. Stafford. *The Christakis Lab, Harvard University, Cambridge MA*.

Proceedings

- 2017 Continuing Evidence of Discrimination Among Local Elections Officials *HNG, NYU-CESS, Annual Meeting of the Midwest Political Science Association, State Politics and Policy Conference, American Political Science Annual Meeting*
- 2016 The Impact of GOTV Depends on Campaign Context *Annual Meeting of the Midwest Political Science Association, State Politics and Policy Conference*
Political Mobilization and Social Distance *Political Networks, HNG*
- 2015 An Experiment on Social Distance & Clientelism: Evidence from a Field Experiment in Honduras (Dissertation Chapter). *Annual Meeting of the Western Political Science Association & Annual Meeting of the Midwest Political Science Association*.
- 2014 The role of Self Interest in Elite Bargaining. *Annual Meeting of the American Political Science Association; Annual Meeting of the Midwest Political Science Association*.
An Experiment on Social Distance & Clientelism: Evidence from a Field Experiment in Honduras (Dissertation Chapter). *Political Networks Conference*.
Phenotypic Prejudice in Mexican Migrants: Evidence from a Random Household Survey. *Annual Conference of the Midwest Political Science Association; PRIEC, Eugene, OR*
Humans Persistently Underestimate the Benefits of Coordinating in Smaller Groups. *International Studies Association, Toronto*.
- 2013 Uncovering Social Structure. *Networks in Political Science (Indiana University); Human Nature Group*.
- 2012 Public Goods, Collective Action, and Hierarchy, with Derek K. Stafford. *Annual Meeting of the American Political Science Association, (Stormed out!); Midwest Political Science Conference, Chicago*.
Walk this Way, Mobilization and Turnout in a Rural Laboratory, with Derek K. Stafford. *Midwest Political Science Conference, Chicago*.
- 2011 The Behavioral Psychology of Elite Decision Making: Implications for Political Science, with Emile Hafner-Burton and David Victor. *UCLA Burke Center for International Relations, Los Angeles*.
- 2010 A Picture is Worth 1,000 Words: Photographic Identification in Rural Networks and an Introduction to Netricks, with Derek K. Stafford & Bret Abel. *Networks in Political Science (Duke University)*.
Network Measurement Error and Boundary Specification. *The Human Nature Group, University of California, San Diego, March*.

References

Chair [James H. Fowler](#), UC San Diego, Political Science

Committee [Thad Kousser](#), UC San Diego, Political Science
[Scott Desposato](#), UC San Diego, Political Science
[Seth Hill](#), UC San Diego, Political Science
[Jim Andreoni](#), UC San Diego, Economics

Additional [David Reiley](#), UC Berkeley School of Information

References [Anno Saxenian](#), Dean, UC Berkeley School of Information
[Holly Shakya](#), UC San Diego Global Public Health
[Karen Ferree](#), UC San Diego, Political Science
[Steph Haggard](#), UC San Diego, Global Politics and Strategy

Updated February 13, 2018.