Curriculum Vitae

Chad Hazlett

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Academic Positions

Assistant Professor of Statistics, UCLA, 2014-Present

Assistant Professor of Political Science, UCLA, 2014-Present

Education

Ph.D., Political Science, Massachusetts Institute of Technology, 2009-2014.
   Dissertation: *Inference in Tough Places: Essays on Modeling, Matching, and Measurement with Applications to Civil Conflict.*
   Committee: Jens Hainmueller (chair), Fotini Christia, Adam Berinsky, Teppei Yamamoto
   Subfields: Political Methodology and International Relations

M.P.P., Harvard University, Kennedy School of Government, 2004-2006.
   Concentration: *Political and Economic Development*

B.S. with Distinction, *magna cum laude*, Duke University, 1998–2002.
   Major: Psychology; Concentration in Cognitive Neuroscience

Research Interests

Causal inference, clinical trials, quasi-experimental methods, machine learning, measurement of sensitive attitudes and emotions, civil conflict, mass atrocities and genocide, homelessness

Grants

Faculty Research Grant, "Does preventing evictions prevent homelessness: A natural experiment". UCLA (2019). $6184.

Facebook Statistics for Improving Insights and Decisions (2019), "KPOP: Kernel-based population reweighting of surveys", $50,000. (with Erin Hartman)

California Center for Population Research Seed Grant (2018-2019), "Estimating Real World Causal Effects under Self-Selection", $13,000.

Research Enabling Grant, UCLA Academic Senate (2018-2019), $1800

Center for Social Statistics, Seed Grant (2018-2019). "Improving Kernel Methods for Social Science Research." $9,279

Research Enabling Grant, UCLA Academic Senate (2017-2018), $1,800

Center for Social Statistics, Seed Grant (2017-2018). "Randomized trials with varying probability of treatment: assessing the effects of psychsocial services for Boko Haram survivors with treatment dependent on vulnerability." $20,000

California Center for Population Research Seed Grant (2016). "The effects of Boko Haram violence on attitudes towards religion, policy, and peace." $17,200

Hellman Fellowship (2016-2017). "Can social psychological tools detect ethnic biases that behavioral economics games miss? An initial test in Nairobi, Kenya." $30,000

Research Enabling Grant, UCLA Academic Senate (2016). $2000.

JPAL Governance Initiative (2015). "Ruling (by) the Airwaves: The effect of radio programming on attitudes toward government in South Sudan." $49,850. (Declined)

Fellowships

US Holocaust Museum Simon-Skjodt Center Fellowship, conducting statistical risk analyses regarding mass atrocity. 2017-Present

Pre-doctoral Fellow (with Kosuke Imai), Dept. of Politics, Princeton, 2013-2014

Ford International Political Science Fellow, 2009-2013

Work in Progress

"Inference without randomization or ignorability: A stability-controlled quasi-experiment on the prevention of tuberculosis." (with Werner Maokola & Ami wulf). *Under review.* Available at http://www.chadhazlett.com

"Credible or Confounded? Applying sensitivity analyses to improve research and its evaluation under imperfect identification" (with Francesca Parente). *Under review.* Available at http://www.chadhazlett.com

"Displaced Loyalties: The effects of indiscriminate violence on attitudes among Syrian refugees in Turkey (with Kristin Fabbe & Tolga Sinmazdemir). *Under review.*

"Measuring Ethnic Biases: Can Misattribution-Based Tools from Social Psychology Reveal Group Biases that Economics Games Cannot?" (with Ashley Blum & Dan Posner). *Under review.*

"How very massive atrocities end: A dataset and typology." (with Bridget Conley). *Under review.*

"Wildfire exposure increases pro-climate political behaviors." (with Matto Mildenberger). *Under review.*

"Principle ERP reduction and analysis: Estimating and using *principle ERP* waveforms underlying ERPs across tasks, subjects and electrodes." (with Emilie Campos, Patricia Tan, Holly Truong, Sandra Loo, Charlotte DiStefano, Shafali Jeste, & Damla Şentürk). *Under review.*

Publications

Peer Reviewed Articles

"Making Sense of Sensitivity: Extending Omitted Variables Bias" (with Carlos Cinelli). Forthcoming, *J. of the Royal Statistical Society: Series B.* Available at http://www.chadhazlett.com

"Angry or Weary? The Effect of Personal Violence on Attitudes Towards Peace in Darfur" *Forthcoming, J. of Conflict Resolution.* Available at http://www.chadhazlett.com

"Estimating causal effects of new treatments despite self-selection: The case of experimental medical treatments" *Journal of Causal Inference* (2019). Available at http://www.chadhazlett.com.

"A Persuasive Peace: Syrian Refugees Attitudes towards Compromise and Civil War Termination" (with Kristin Fabbe and Tolga Sinmazdemir). *Journal of Peace Research* (2019). Available at http://www.chadhazlett.com.

"Kernel Balancing: A flexible non-parametric weighting procedure for estimating causal effects" *Forthcoming, Statistica Sinica.* Available at http://www.chadhazlett.com.

"Covariate Balancing Propensity Score for a Continuous Treatment: Application to the Efficacy of Political Advertisements" (with Christian Fong and Kosuke Imai). 2018. *Annals of Applied Statistics*, 12(1), 156-177. Available at http://www.chadhazlett.com.

"Stress-testing the Affect Misattribution Procedure" (with Adam Berinsky). September 2017. *British Journal of Social Psychology.* Available at http://www.chadhazlett.com.

"KRLS: A Stata Package for Kernel-Based Regularized Least Squares". (with Jens Hainmueller & Jeremy Ferwerda). *Journal of Statistical Software.* July 2017. Available at http://www.chadhazlett.com.

"Global progress and backsliding on gasoline taxes and subsidies" (with Michael Ross & Paasha Mahdavi). *Nature Energy*, January 2017.

"The Epidemiology of Lethal Violence in Darfur: Using Micro-Data to Explore Complex Patterns of On-going Armed Conflict." (with Alex de Waal, Christian Davenport, & Joshua Kennedy). *Social Science & Medicine*, 120. 2014.

"Kernel Regularized Least Squares: Reducing Misspecification Bias with a Flexible and Interpretable Machine Learning Approach" (with Jens Hainumeller). *Political Analysis*, 22(2). 2014.

"Mechanisms of Moving the Mind's Eye: Planning and Execution of Spatial Shifts of Attention" (with M.G. Woldorff). *J. of Cognitive Neuroscience*, 16(5). 2004.

"Dorsal Anterior Cingulate Cortex Resolves Conflict from Distracting Stimuli by Boosting Attention Toward Relevant Events" (with D.H. Weissman, A. Gopalakrishnan, M.G. Woldorff). *Cerebral Cortex*. 15(2). 2004.

"Effects of Practice on Executive Control Investigated with fMRI" (with D.H. Weissman, M.G. Woldorff, G.R. Mangun). *Cognitive Brain Research*, 15(47-60). 2002.

"Functional Parcellation of Attentional Control Regions of the Brain" (with M.G. Woldorff, H.M. Fichtenholtz, D. Wiessman, A.M. Dale, A.W. Song). *J. of Cognitive Neuroscience*, 16(1). 2001.

Software

sensemakr: Examining the sensitivity of regression results to unobserved confounding.
https://github.com/chadhazlett/sensemakr

KBAL: An R package for Kernel Balancing.
https://github.com/chadhazlett/KBAL

KRLS: An R package for Kernel Regularized Least Squares (with Jens Hainmueller). A statistical software that implements Kernel Regularized Least Squares. Also available for Stata (with Jeremy Ferwerda and Jens Hainmueller).
http://www.inside-r.org/packages/cran/KRLS/docs/krls

Book Chapters

"Beset on all sides: Children and the Landscape of Conflict in North East Nigeria." (With Hilary Matfess and Graeme Blair). In Cradled by Conflict: Child Involvement with Armed Groups in Contemporary Conflict. Ed: Siobhan ONeil, Kato Van Broeckhoven.

"Not On Our Watch: American Mobilization for Darfur" (with R.J. Hamilton). In *War in Darfur and the Search for Peace*, Alex De Waal (Ed.). Cambridge, Ma. Harvard University Press. 2007.

News Media

"What Do Syrians Want Their Future to Be? A Survey of Refugees in Turkey" (with Kristin Fabbe and Tolga Sinmazdemir). *Foreign Affairs.* May, 2017. addto contour

"What Syrian refugees tell us about their hopes and fears for the future" (with Kristin Fabbe and Tolga Sinmazdemir). *Monkey Cage, Washington Post.* March, 2016.

"Primed to Protest" (with Nicholas Miller). *Foreign Policy.com.* Sept, 2012.

"India's Other Terrorism". *Far Eastern Economic Review.* Dec, 2008.

Courses

Advanced Causal Inference. 2018

Causal Inference for Social Science. 2015, 2016, 2017, 2018

Statistical Modeling and Learning. 2015, 2016, 2017, 2018, 2019

Machine Learning for Social Science: Current Literature. 2016.

Undergraduate Statistics for Political Science. 2016, 2019

Mass Violence and Civil War. 2017.

Invited Talks, Conferences

East African Social Science Translation Collaborative Summit, Nairobi, July 2019

Society for Political Methodology, Annual Summer Meeting. July 2019

UC Santa Barbara Political Science, Methods Seminar. July 2019

MIT Political Science, Methods Seminar, July 2019

Southern California Methods, September 2018

Society for Political Methodology, Annual Summer Meeting. July 2018

Empirical Studies of Conflict, May 2018

Working Group in African Politics, May 2018

Causal Inference from Neuroscience to Computer Science, UCLA. September 2017

Southern California Methods (co-founder), September 2017

American Political Science Association, Annual Meeting. San Francisco, August 2017

Empirical Studies of Conflict, May 2017.

Southern California Methods (co-founder), August 2016.

UC Riverside, Statistics Seminar, May 2016.

USC Marshall, Data Sciences and Operations Department Seminar, March 2016.

Biostatistics Seminar (UCLA), December 2015.

International Political Economy Society, November 2015.

Political Economy Workshop, Chicago Harris School of Public Policy, October 2015.

California Center for Population Research Seminar, October 2015.

American Mathematical Society, Western Regional Meeting, October 2015.

"Big Data and Death" workshop, University of Wisconsin. December 2014.

First Annual Leila and Melville Straus 1960 Family Symposium on Early Warning for Mass Atrocities. Dartmouth, October 2014

American Political Science Association, Annual Meeting. Chicago, August 2014

Stanford Political Methodology Workshop. April 2015.

Society for Political Methodology, Annual Summer Meeting. University of Virginia. July 2013

New Faces in Political Methodology Conference. Penn State, April 2013

Midwest Political Science Association, Annual Meeting. Chicago, 2013, 2014, 2105, 2016

B-WGAPE (Boston Working Group on African Political Economy). November 2012.

Applied Statistics Seminar (Institute for Quantitative Social Science). Harvard University, October 2012.

MIT Strategic Use of Force Working Group. Sept. 2012; May 2013

Annual Meeting of the Northeast Methodology Program (NEMP). New York, May 2012.

Midwest Political Science Association, Annual Meeting. Chicago, April 2012

Lecture for AM111 (Harvard), "Applied Mathematics: Scientific Computing". Feb, 2012.

Consultations and Field Experience

Early Warning Project, U.S. Holocaust Museum. 2016-present. Providing annual risk forecasts and additional analysis of countries at risk of mass killings.

United Nations University. (2016-2017). Preventing and Responding to Boko Haram Recruitment of Children.

Political Instability Task Force. 2012-2018. Providing statistical analyses and forecasting models on variety of projects relating to mass killings and civil wars, using traditional and machine learning approaches.

U.S. Institute of Peace. 2011. Contracted to assess existing genocide forecasting model and recommend improvements. Report available from U.S. Holocaust Museum at http://bit.ly/14MZbfI

Research Assistance to Fotini Christia (MIT), Kenya. 2011. Conducted fieldwork for initial inquiry into effects of Somali piracy on markets in Nairobi. Interviewed negotiators, attorneys, and policy-makers involved in Somali piracy.

U.S. Department of State, Chad. 2010. Field statistician in eastern Chad for "Darfurian Voices", a project surveying over 2000 refugees, civilian leaders, and rebel leaders in refugee camps.

Mass Atrocities Response Operations, Carr Center for Human Rights, Harvard. 2010. Tasked to produce report on the status of African countries and regional organizations on their preparedness to respond to mass atrocities.

Genocide Intervention Network, Burma. 2008, 2010. Consultant to develop and evaluate a radio-based civilian early warning system in eastern Burma.

African Union. 2009. Grant from the African Union Department of Peace and Stability to track and analyze levels of violence in Darfur in 2008-2009 using a variety of data sources from both the peacekeeping mission and media sources. Analyzed patterns of violence to help settle regarding nature of ongoing conflict. See works in progress, "The Epidemiology of Lethal Violence in Darfur: Using Event-Data to Explore Complex Patterns of Ongoing Armed Conflict".

Genocide Intervention Network, Sudan. 2007, 2008. Small-scale survey of IDPs in both government and rebel held territories of Darfur to determine the security risks they face. Worked with local partner and African Union peacekeeping forces to develop programs to improve camp security through improving patrols and by reducing need for firewood collection.

Zimbabwe Opportunities Industrialization Center, Zimbabwe. 2005. Conducted survey of small and medium-scale businesses able to survive economic crisis, shortages, and hyper-inflation to determine characteristics of resilient businesses.

Seva Mandir, India. 2003-2004. Under Hart fellowship from Duke University. Conducted field research with Seva Mandir, an NGO in Rajasthan, India. Examined access to health care in rural areas; designed and launched health insurance program.

Service

Graduate Student Mentorship Award (2017)

Methods Field Chair, Political Science (2016-2018)

Co-founder, Southern California Methods Meeting (2016-)

Faculty Search Committees:

- Political Science: comparative politics (2014)
- Statistics: joint statistics & social science search (2014)

Manuscript Referee: *American Political Science Review, J. of Causal Inference, J. of Experimental Political Science, J. of Genocide Research, J. of Conflict Resolution, J. of Public Policy, Political Science Research Methods, J. of Politics, Nature (Scientific Reports), J. of American Statistical Association, International Organization, Political Analysis, Political Behavior*