

JOEL A. MIDDLETON, PHD

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CONTACT INFORMATION

Charles and Louise Travers Department of Political Science
University of California, Berkeley
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POSITIONS

- 2014- Assistant Professor of Political Science
University of California, Berkeley
- 2011-2014 Visiting Assistant Professor of Applied Statistics
New York University
- 2011-2014 Faculty at the Center for the Promotion of Research Involving Innovative Statistical
Methodology (PRIISM)
New York University
- 2013-2014 Affiliated faculty at the NYU Center for Data Science
New York University

EDUCATION

- 2011 Doctor of Philosophy in Political Science
Yale University, New Haven, Connecticut
- 2004 Master of Science in Statistics
George Washington University, Washington, DC
- 1999 Master of Science in Psychology, Dean's Fellowship
Brown University, Providence, Rhode Island
- 1997 Bachelor of Science in Psychology, Psi Chi, Psychology Honors Society
Lewis and Clark College, Portland, Oregon

GRANTS

- 2014-2017 Awarded: \$7,262,016. Co-PI with Cyrus Samii, and Dana Burde, PI. Title: *Social Effects and Learning Outcomes from Community-based Education: A Randomized Field Experiment in Afghanistan*. United States Agency for International Development
- 2013 Awarded: \$250,000. Co-PI with Dana Burde, PI. Title: *Social Effects and Learning Outcomes from Community-based Education: A Randomized Field Experiment in Afghanistan*
Danish International Development Agency
- 2013 Awarded: \$17,833. Co-PI with Dana Burde, PI. Title: *Community-based Schools and Trust in Government: A Randomized Field Experiment in Afghanistan*
Institute for Human Development and Social Change

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ARTICLES

Unbiased Estimation of the Average Treatment Effect in Cluster Randomized Experiments

Statistics, Politics and Policy (forthcoming), with Peter Aronow

Are Ballot Initiative Outcomes Influenced by the Campaigns of Independent Groups? A Precinct-Randomized Experiment

Political Behavior 2015, 1-27, with Todd Rogers

Islamic Studies and Early Childhood Education in Countries Affected by Conflict: The Role of Mosque Schools in Remote Afghan Villages

Journal of Educational Development 2015, 70-79, with Dana Burde, and Rachel Wahl

Political Communication: Insights from Field Experiments

Oxford Handbook of Political Communication 2014, with Donald P. Green and Allison Carnegie

Priming Under Fire: Reverse Causality and the Classic Media Priming Hypothesis

Journal of Politics 2014, 76(2): 581-592, with Austin Hart

A Class of Unbiased Estimators of the Average Treatment Effect in Randomized Experiments

Journal of Causal Inference 2013, 1(1): 135–154, with Peter Aronow

Bias of the Regression Estimator for Experiments Using Clustered Random Assignment

Statistics and Probability Letters 2008, 78: 2654–2659

Do Community-Based Voter Mobilization Campaigns Work Even in Battleground States? Evaluating the Effectiveness of MoveOn's 2004 Outreach Campaign

Quarterly Journal of Political Science 2008, 63–82, with Donald Green

Equivalence between Temporal Frequency and Modulation Depth for Flicker Response Suppression: Analysis of a Three-process Model of Visual Adaptation

Journal of the Optical Society of America 1998, 15:1987–2002, with Arthur Shapiro and Alvin Eisner

WORKING PAPERS

Bias Amplification and Bias Unmasking

Revise and resubmit, with Jennifer Hill and Marc Scott

SELECTED WORKS IN PROGRESS

Bias Amplification Bounds

with Marc Scott, Ronli Diakow and Jennifer Hill

Horvitz-Thompson and Generalized Regression Estimation in Factorial Experiments

with Chris Kennedy

Statistics for Field Research

Book project, with Peter Aronow and Cyrus Samii

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PANELS, POSTERS AND INVITED TALKS

- 2015 Joint Statistical Meetings. Contributed session. Bias Amplification in Context: The Case of Fixed Effects
- 2015 Joint Statistical Meetings. Contributed session. Bias Amplification Bounds
- 2015 Stanford Political Methods Workshop. Invited. Bias Amplification and Bias Unmasking
- 2013 Joint Statistical Meetings. Contributed session. Inclusion/Exclusion Criteria for Bias Amplifying Covariates: A Sensitivity Analysis Framework
- 2013 Joint Statistical Meetings. Contributed session. Shrinkage for Improved Inference in High Dimensional Factorial Experiment on Voter Mobilization
- 2011 Midwest Political Science Association. Direct-Mail Campaigns Can Persuade Voters: Evidence from a Randomized Field Experiment Studying Ballot Guides in Oregon in 2008
- 2011 Analyst Institute. Invited. Priming, Projection or Both: Reevaluating the Classic Media Priming Hypothesis
- 2009 American Political Science Association Meeting. On the Microfoundations of Economic Voting: An Experimental Study
- 2009 American Political Science Association Meeting. The Tension between Sampling and Statistical Theories: Sampling Strategies for Cluster-Randomized Experiments
- 2009 Annual Meeting of the Society for Political Methodology. Poster. What Characteristics Must an Omitted Variable Have to Bias an Estimator by a Given Amount
- 2008 Annual Meeting of the Society for Political Methodology. Poster. Is Matching Really “Essential” for Cluster Randomized Experiments?

STATISTICS SOFTWARE

htEstimate: R program implementing Horvitz-Thompson Estimation for Factorial Experiments,
with Chris Kennedy

sensitive: Stata program implementing Imbens’ sensitivity analysis for omitted variables bias

xvalols: Stata program for crossvalidation of OLS regressions, with John Ternovski

nonparmdc: Stata program to calculate the minimum detectable effect in randomized experiments,
with John Ternovski

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CLASSES TAUGHT

PS 231A	Quantitative Analysis in Political Research
PS 239	Special Topics in Methodology: Design-based Inference
PS 161	Public Opinion and Surveys
E10.2110	Large Databases in Education Research
RESCH-GE 2139	Survey Research Methods
RESCH-GE 1085	Introductory Statistics

PROFESSIONAL SERVICE

2011 - 2013	Committee on Statistics Education, PRIISM Center, NYU
2013	Dissertation committee
2011	Survey Methods Consultant, <i>CARE International</i>

PROFESSIONAL EXPERIENCE

2001-2011	Consulting Statistician, <i>Penn, Schoen and Berland Associates</i>
2008-2009	Senior Analyst, <i>Analyst Institute</i>