

JOEL A. MIDDLETON, PHD

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CONTACT INFORMATION

Charles and Louise Travers Department of Political Science
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POSITIONS

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

EDUCATION

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

GRANTS

- 2014-2017 Awarded: \$2,799,278. Co-PI with 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 and Canadian International
Development Agency
- 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

PUBLICATIONS

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

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Independent Groups Influence Initiative Outcomes by Influencing Voter Preferences: A Precinct-Randomized Experiment
Political Behavior 2014, with Todd Rogers

Political Communication: Insights from Field Experiments
Oxford Handbook of Political Communication Online 2014, with Donald P. Green and Allison Carnegie

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

MANUSCRIPTS AND WORKING PAPERS

Unbiased Estimation of the Average Treatment Effect in Cluster Randomized Experiments
Under review, with Peter Aronow

Islamic Studies and Early Childhood Education in Countries Affected by Conflict: The Role of Mosque Schools in Remote Afghan Villages
Under review, with Dana Burde, and Rachel Wahl

SELECTED WORKS IN PROGRESS

Bias Amplifying Covariates: A Sensitivity Analysis Framework
Ongoing project, with Jennifer Hill and Marc Scott

Shrinkage for Improved Inference in High Dimensional Factorial Experiments
Ongoing project, with Peter Aronow and Cyrus Samii

Sampling Theoretic Causal Inference
Book project, with Peter Aronow and Cyrus Samii

STATISTICS SOFTWARE

SENSITIVE: Stata module implementing Imbens' sensitivity analysis for omitted variables bias

XVALOLS: Stata module for crossvalidation of OLS regressions, with John Ternovski

NONPARMDE: Stata module to calculate the minimum detectable effect in randomized experiments, with John Ternovski

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PANELS, POSTERS AND INVITED TALKS

- 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. Talk: Direct-Mail Campaigns Can Persuade Voters: Evidence from a Randomized Field Experiment Studying Ballot Guides in Oregon in 2008
- 2011 Analyst Institute. Invited talk: Priming, Projection or Both: Reevaluating the Classic Media Priming Hypothesis
- 2009 American Political Science Association Meeting. Talk: On the Microfoundations of Economic Voting: An Experimental Study
- 2009 American Political Science Association Meeting. Talk: 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 Our Estimator By a Given Amount
- 2008 Annual Meeting of the Society for Political Methodology. Poster: Is Matching Really “Essential” for Cluster Randomized Experiments?

CLASSES TAUGHT

- E10.2110: Large Databases in Education Research
- RESCH-GE 2139 Survey Research Methods
- RESCH-GE 1085 Introductory Statistics

PROFESSIONAL SERVICE

- 2013 Editor in Chief, *Statistics, Politics and Policy*
- 2011 - 2013 Committee on Statistics Education, PRIISM Center, NYU
- 2013 Dissertation committee
- 2011 Survey Methods Consultant, *CARE International*

PROFESSIONAL EXPERIENCE

- 2001-2011 Consulting Statistician, *Penn, Schoen and Berland Associates*
- 2008-2009 Senior Analyst, *Analyst Institute*