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Education

Ph.D. California Institute of Technology. Social Science, June 2007.

M.S. California Institute of Technology. Social Science, June 2004.

B.A. University of South Carolina, *magna cum laude*. Political Science and Economics, June 2002.

Academic Experience

Post-Doctoral Fellow, Center for Empirical Research in the Law, Washington University in St. Louis. July 2007 - July 2009.

Research and Teaching Interests

American Politics: elections and institutions, legislative voting behavior, political representation, judicial elections, and election reform.

Political Methodology: causal inference with observational data, scaling techniques, multilevel modeling, and semiparametric estimation.

Publications

Implementing Panel-Corrected Standard Errors in R: The `pcse` Package (with Jonathan N. Katz). *Journal of Statistical Software*. Forthcoming.

Other Articles

Caught in the Act: Recent Federal Election Fraud Cases in R.M. Alvarez, T.E. Hall, and

S.D. Hyde (editors), *Election Fraud: Detecting and Deterring Election Fraud*. Washington, DC: Brookings. Forthcoming.

Working Papers

Political Networks and the Impact of Term Limits (with Betsy Sinclair).

An Empirical Bayes Approach to Estimating Ordinal Treatment Effects: Examples from Political Science (with R. Michael Alvarez and Jonathan N. Katz)

The Effect of Voter Identification Laws and Turnout (with Jonathan N. Katz and R. Michael Alvarez).

Abortion Attitudes of Hispanic and Black Women (with R. Michael Alvarez and Jonathan Nagler).

Measuring the Effect of Voting Technologies on Residual Vote Rates.

Re-Assessing The Impact of Majority-Minority Districts on Congressional Elections (with Jonathan N. Katz).

Software

`pcse`: Panel-Corrected Standard Error Estimation in R (with Jonathan N. Katz).

`gamma.mixed`: Mixed effects Gamma Regression (with Ferdinand Alimadhi) in Kosuke Imai, Gary King, and Olivia Lau *Zelig: Everyone's Statistical Software*.

`ls.mixed`: Mixed effects Linear Regression (with Ferdinand Alimadhi) in Kosuke Imai, Gary King, and Olivia Lau *Zelig: Everyone's Statistical Software*.

`logit.mixed`: Mixed effects Logistic Regression (with Ferdinand Alimadhi) in Kosuke Imai, Gary King, and Olivia Lau *Zelig: Everyone's Statistical Software*.

`poisson.mixed`: Mixed effects Poisson Regression (with Ferdinand Alimadhi) in Kosuke Imai, Gary King, and Olivia Lau *Zelig: Everyone's Statistical Software*.

`probit.mixed`: Mixed effects Probit Regression (with Ferdinand Alimadhi) in Kosuke Imai, Gary King, and Olivia Lau *Zelig: Everyone's Statistical Software*.

Fellowships, Grants, and Awards

Caltech/MIT Voting Technology Project Grant for *Pollworker Education in Los Angeles: A Field Experiment*, with Betsy Sinclair, Fall 2006 (\$10,000).

Graduate Associate, Institute for Quantitative Social Science, Harvard University.
February - July 2006.

Achievement Rewards for College Scientists (ARCS) Foundation Fellowship, 2005-2006, academic year.

H.S.S. Divisional Fellowship, California Institute of Technology, 2002-2003 academic year.

Research Experience

February-July 2006: Research Assistant for Gary King, David Florence Professor of Government at Harvard University and Director of the Institute for Quantitative Social Science.

October 2004-June 2007: Research Assistant for R. Michael Alvarez, Professor of Political Science at Caltech and Senior Fellow at the USC Annenberg Center for Communication.

October 2003-June 2007: Research Assistant Jonathan N. Katz, Professor of Political Science at Caltech.

Teaching Experience

Fall 2005: Guest Lecturer, "Testing Models of Voter Choice" for Professor R. Michael Alvarez, PS 120: American Electoral Behavior and Party Strategy.

Fall 2005: Guest Lecturer, "Matching Methods for Causal Inference" for Professor Robert P. Sherman, SS 223: Advanced Econometrics – Identification Problems in the Social Sciences.

Invited Talks

2008 New Faces in Political Methodology Conference, Penn State University, State College, PA.

Conference Presentations

"Political Networks and the Impact of Term Limits" (with Betsy Sinclair). Versions presented as an Informal Roundtable at the 2007 Annual Meeting of the Midwest Political Science Association, Chicago, Illinois; Paper presented at the 2008 Annual Meeting of the

Midwest Political Science Association, Chicago, Illinois; Paper presented at the 2008 Harvard Networks in Political Science Conference, Cambridge, Massachusetts; Poster presented at the 2008 Meeting of the Society for Political Methodology, Ann Arbor, Michigan.

“An Empirical Bayes Approach to Estimating Ordinal Treatment Effects: Examples from Political Science” (with Jonathan N. Katz and R. Michael Alvarez). Versions presented at the 2008 Annual Meeting of the Midwest Political Science Association, Chicago, Illinois; Paper presented at the 2008 New Faces in Political Methodology Conference, State College, Pennsylvania.

“The Effect of Voter Identification Laws on Turnout” (with R. Michael Alvarez and Jonathan N. Katz). Versions presented at the 2006 Caltech/MIT Voting Technology Project Voter ID/Registration Conference, Cambridge, Massachusetts; the 2007 Annual Meeting of the Midwest Political Science Association Meeting, Chicago, Illinois; the 2007 Meeting of the Society for Political Methodology, State College, Pennsylvania; the 2007 Annual Meeting of the American Political Science Association, Chicago, Illinois; the 2007 Conference on Empirical Legal Studies Annual Meeting, New York, NY.

“Re-Assessing the Impact of Majority-Minority Districts on Congressional Elections” (with Jonathan N. Katz). Versions presented at the 2005 Conference on Democracy and its Development, University of California, Irvine; the 2005 Annual Meeting of the Midwest Political Science Association, Chicago, Illinois; the 2007 Conference on Empirical Legal Studies Annual Meeting, New York, NY.

“Modeling Latino Voter Turnout in the 2000 and 2004 Elections” (with R. Michael Alvarez). Presented at the 2007 Annual Meeting of the American Political Science Association, Chicago, Illinois.

“Modeling Voter Turnout with Multilevel Structural Equations.” Poster presented at the 2007 Meeting of the Society for Political Methodology, State College, Pennsylvania.

“Caught in the Act: What We Can Learn from Recent Federal Election Fraud Cases.” Presented at the 2006 Election Fraud Conference, Salt Lake City, Utah.

“Measuring Voting System Accuracy with Case Studies: California and Massachusetts, 1960-2004.” Poster presented at the 2006 Meeting of the Society for Political Methodology, Davis, California; Paper presented at the 2006 Annual Meeting of the Caltech/MIT Voting Technology Project, Cambridge, Massachusetts.

“Abortion Attitudes of Hispanic and Black Women” (with R. Michael Alvarez and Jonathan Nagler). Presented at the 2006 Annual Meeting of the Midwest Political Science Association, Chicago, Illinois.

“Measuring the Impact of Voting Technology on Residual Vote Rates.” Poster presented at the 2005 Meeting of the Society for Political Methodology, Tallahassee, Florida; Paper presented at the 2006 Annual Meeting of the Midwest Political Science Association, Chicago, Illinois.

Professional Service

Participant, 2008 Saint Louis Area Methods Meeting, St. Louis, MO; 2006 Northeast Methodology Program, New York, NY.

Reviewer, *The Journal of Politics*; *Political Analysis*

Co-editor, POLMETH mailing list of the Society for Political Methodology and the Political Methodology section of the American Political Science Association.

Professional Memberships

American Political Science Association (*Political Methodology Section*); Midwest Political Science Association

References

Jonathan N. Katz, Professor of Political Science at Caltech.
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R. Michael Alvarez, Professor of Political Science at Caltech and Senior Fellow at the USC Annenberg Center for Communication.
rma@hss.caltech.edu

Andrew D. Martin, Professor of Political Science and Professor of Law at Washington University in St. Louis.
admartin@wustl.edu

Jonathan Nagler, Professor of Political Science at NYU.
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