

Ryan T. Moore

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Education

PH.D., **Government and Social Policy.** Harvard University, Cambridge, MA, June 2008.
Dissertation: *Political Analysis and Statistical Applications for Social Policy Research*.
Committee: Gary King (chair), Torben Iversen, Kevin M. Quinn.

A.M., **Statistics.** Harvard University, Cambridge, MA, June 2006.

B.A., **Political Science and Mathematics.** Yale University, New Haven, CT, May 1997.

Academic Appointments

Assistant Professor, Washington University in St. Louis, Department of Political Science,
2008-present.

Publications

Refereed Journal Articles in Political Science

Lau, Olivia, Ryan T. Moore and Michael Kellermann. “eiPack: $R \times C$ Ecological Inference and Higher-Dimension Data Management”. *R News*, 7(2):43–47, 2007.

King, Gary, Emmanuela Gakidou, Nirmala Ravishankar, Ryan T. Moore, Jason Lakin, Manett Vargas, Martha María Téllez-Rojo, Juan Eugenio Hernández Ávila, Mauricio Hernández Ávila and Héctor Hernández Llamas. “A ‘Politically Robust’ Experimental Design for Public Policy Evaluation, with Application to the Mexican Universal Health Insurance Program”. *Journal of Policy Analysis and Management*, 26(3):479–509, 2007.

Invited Contributions

Moore, Ryan T. “Review of *Essential Mathematics for Political and Social Research*, by Jeff Gill”. *The Political Methodologist*, 14(2):16–18, 2006.

Refereed Journal Articles in Other Fields

Dalton, W. Brian, Mandayam O. Nandan, Ryan T. Moore and Vincent W. Yang. Human Cancer Cells Commonly Acquire DNA Damage During Mitotic Arrest. *Cancer Research*, 67(24):11487–11492, 15 December 2007.

Research Experience

Seguro Popular Evaluation. Focus on i) design robust to political choices, ii) valid causal inference blocking under encouragement design and iii) estimating causal effects at several levels of analysis. Fall 2004 to present. Principal investigators: Gary King, Institute for Quantitative Social Science, and Christopher JL Murray, Institute for Health Metrics and Evaluation.

Demographic Forecasting. Assisted in editing book on new quantitative methods for forecasting human mortality. Summer 2003. Principal investigators: Gary King, Center for Basic Research in the Social Sciences, and Federico Girosi, Harvard University.

Welfare Reform and Beyond. Consulted on statistical models for Brookings Institution project. Original research on populations living near state borders and state welfare policies. Fall 2001. Principal investigator: R. Kent Weaver, Brookings Institution, Washington, DC.

Software

Moore, Ryan T. *blockTools: Blocking, Assignment, and Diagnosis for Randomized Experiments*, 2008. R package version 0.2.
<http://www.fas.harvard.edu/~rtmoore/software.blockTools.htm>.

Lau, Olivia, Ryan T. Moore and Michael Kellermann. *eiPack: Ecological Inference and Higher-Dimension Data Management*, 2008. R package version 0.1-3.
<http://olivialau.org/software/eiPack.html>.

Teaching Experience

Washington University, St. Louis, MO

Mathematical Modeling in Political Science, Professor Fall 2008

Harvard University, Cambridge, MA

Hierarchical Bayesian Modeling, Teaching Fellow Spring 2005
Quantitative Methods for Political Science I, Teaching Fellow Fall 2004, 2005
Math Prefresher for Political Scientists, Lecturer, Teaching Fellow Sept 2004, 2005
Senior Thesis Advisor 5 honors theses, 2005-2008

Fellowships, Grants, and Awards

Harvard University, Dissertation Completion Grant, 2007-2008.

IQSS and Harvard Travel Grants, **useR!** Conference, Vienna, Austria, June 2006.

European Network on Inequality research grant, U. Pompeu Fabra, Barcelona, Spain, June 2005.

National Science Foundation, IGERT grant 0333403, multiyear, awarded 2003.

National Science Foundation, Grant for Graduate Research, Honorable Mention, 2003.

Harvard University Grant for Graduate Study, Sept 2002 to June 2007.

Conference and Seminar Presentations

Blocking to Improve Political Science Field Experiments. Southern Political Science Assn., Jan 2008; Harvard University Graduate Methods & Models Class, Feb 2008; Western Political Science Assn., Mar 2008.

blockTools: Blocking, Assignment, and Diagnosing Interference for Randomized Experiments. Poster presentation at useR! Conference, Ames, IA, Aug 2007.

Discussion of **Average Causal Effects from Observational Studies: A Practical Guide and Simulated Example**, by J.L. Schafer and J.D.Y. Kang. Invited discussion at Society for Political Methodology summer meeting, State College, PA, July 2007.

Intrastate Robin Hoods?: Voting for Old Age Pensions in the US States. Midwest Political Science Assn., Apr 2007.

Seminar Series on Statistical Methods. Harvard Institute for Global Health, Post-Bachelor Fellows Program. Topics presented include Survey Sampling, Design, and Analysis (June 2007), Missing Data (May 2007), Binary Data Models and Random & Fixed Effects (Feb 2007), Bayesian Data Analysis and Computation (Dec 2006), Visualizations of Data (Nov 2006).

Matching for Robust Causal Inference for Seguro Popular. Harvard Institute for Global Health, Harvard Center for Population and Development Studies, Sept 2006.

Design and Causal Inference for Mexico's Seguro Popular. Poster presentation at Society for Political Methodology summer meeting, Davis, CA, July 2006.

eiPack: Tools for $R \times C$ Ecological Inference and Higher-Dimension Data Management. Austrian Assn. for Statistical Computing, Vienna, Austria, June 2006.

Bayesian Imputation for Causal Inference. Harvard University Graduate Methods Master Class, Feb 2005.

Differential Disadvantage: The Political Misfortunes of Minorities in Direct Democracy. Midwest Political Science Association, Apr 2004 and Northeastern Political Science Association, Nov 2003.

The Threat of Welfare Migration: A Spatial Approach. Midwest Political Science Assn., Apr 2004.

Professional Service

Referee, *American Politics Research*, *Harvard Law Review*, *Sociological Methods and Research*

Professional Affiliations

Institutions

Institute for Quantitative Social Science, Harvard University.

Associations

American Statistical Association, 2008 - present. Society for Political Methodology, 2005 - present. Midwest Political Science Association, 2004 - present. American Political Science Association, 2002 - present. Association of Public Policy Analysis and Management, 2001 - 2002.