

## Jonathan N. Katz

D.H.S.S. (228-77)  
California Institute of Technology  
Pasadena, CA 91125  
(626)395-4191  
e-mail: jkatz@caltech.edu

### Education

- Ph.D. University of California, San Diego. Political Science, June, 1995.  
M.A. University of California, San Diego. Political Science, June, 1992.  
S.B. Massachusetts Institute of Technology. Applied Mathematics  
June, 1990.

### Academic Experience

- Division Chair, Division of the Humanities and Social Sciences,  
California Institute of Technology  
August 2007 – Present.
- Professor of Political Science, California Institute of Technology,  
November, 2003 – Present.
- Gastprofessur in der Rechts-, Wirtschafts- und Verwaltungswissenschaftliche Sektion,  
Universität Konstanz  
May, 2003 – June, 2003.
- Associate Professor of Political Science (with tenure), California Institute of Technology,  
April, 2001 – October, 2003 and
- Associate Professor of Political Science, California Institute of Technology,  
April, 1998 – August, 1998 and July, 2000 – March, 2001.
- Assistant Professor of Political Science, University of Chicago,  
September, 1998 – June,
- Assistant Professor of Political Science, California Institute of Technology,  
July, 1995 – March, 1998.
- Post-Doctoral Fellow in Positive Political Economy, Harvard University,  
July, 1994 – June, 1995.

**Publications***Books*

*Elbridge Gerry's Salamander: The Electoral Consequences of the Reapportionment Revolution.* (with G. Cox). New York: Cambridge University Press. 2002.

*Articles in Refereed Journals*

Government Partisanship, Labor Organization and Macroeconomic Performance: A Corrigendum (with N. Beck, R.M. Alvarez, G. Garrett, and P. Lange). *American Political Science Review.* 87(4):945–949. 1993.

What To Do (and Not To Do) with Times-Series–Cross-Section Data in Comparative Politics (with N. Beck). *American Political Science Review.* 89(3):634–647. 1995.

Careerism, Committee Assignments and the Electoral Connection (with B. Sala). *American Political Science Review.* 90(1):21–33. 1996.

Why Did the Incumbency Advantage in U.S. House Elections Grow? (with G. Cox). *American Journal of Political Science.* 40(2):478–497. 1996.

Nuisance vs. Substance: Specifying and Estimating Time-Series–Cross-Section Models (with N. Beck). *Political Analysis.* 6:1–36. 1996.

Taking Time Seriously: Time-Series–Cross-Section Analysis with a Binary Dependent Variable (with N. Beck and R. Tucker). *American Journal of Political Science.* 42(4):1260–1288. 1998.

A Statistical Model for Multiparty Electoral Data (with G. King). *American Political Science Review.* 93(1):15–32. 1999.

The Reapportionment Revolution and Bias in U.S. Congressional Elections (with G.Cox). *American Journal of Political Science.* 43(3):812–840. 1999.

Post-stratification without population level information on the post-stratifying variable, with application to political polling (with C. Reilly and A. Gelman). *Journal of the American Statistical Association.* 96(453):1–11. 2001.

Throwing Out the Baby With the Bath Water: A Comment on Green, Yoon and Kim (with N. Beck). *International Organization.* 55(2):487–498. 2001.

A Fast, Easy, and Efficient Estimator for Multiparty Electoral Data (with J. Honaker and G. King). *Political Analysis.* 10(1):84–100. 2002.

The Mathematics and Statistics of Voting Power (with A. Gelman and F. Tuerlinckx). *Statistical Science*. 17(4): 420–435. 2002.

Standard Voting Power Indexes Don't Work: An Empirical Analysis (with A. Gelman and J. Bafumi). *British Journal of Political Science*. 34: 657–674. 2004.

Indecision Theory: Quality of Information and Voting Behavior (with P. Ghirardato). *Journal of Public Economic Theory*. 8(3): 379–399. 2006

Gerrymandering Roll-Calls in Congress, 1879-2000 (with G.W. Cox). *American Journal of Political Science*. 51(1):108-119. 2007.

Random Coefficient Models for Time-Series-Cross-Section Data: Monte Carlo Experiments (with N. Beck). *Political Analysis*. Forthcoming.

Comment on 'Estimating incumbency advantage and its variation, as an example of a before-after study'. *Journal of the American Statistical Association*. Forthcoming.

Implementing Panel Corrected Standard Errors in R: The pcse Package (with D. Bailey). *Journal of Statistical Software*. Forthcoming.

#### *Other Articles*

Empirically Evaluating the Electoral College (with A. Gelman and G. King) in A. Crigler, et al (editors), *Rethinking the Vote: The Politics and Prospects of American Election Reform*. New York: Oxford University Press. 2004.

Asymptotics in A. Bryman, et al (editors), *Encyclopedia of Science Research Methods*. Thousand Oaks, CA: Sage Publications. Forthcoming.

The Changing Nature of Political Science (with N. Beck). *American Political Science Review*. Forthcoming.

Detecting Electoral Fraud: The Case of 2002 General Election in Georgia (with R.M. Alvarez) in R.M. Alvarez, T.E. Hall, and S.D. Hyde (editors), *Election Fraud: Detecting and Deterring Electoral Manipulation*. Washington, DC: Brookings. Forthcoming.

Fraud or Failure? What Incident Reports Reveal about Election Anomalies and Irregularities (with D.R. Kiewiet, T.E. Hall, R.M. Alvarez) in R.M. Alvarez, T.E. Hall, and S.D. Hyde (editors), *Election Fraud: Detecting and Deterring Electoral Manipulation*. Washington, DC: Brookings. Forthcoming.

**Work in Progress and Conference Papers**

Aggregation and Dynamics of Survey Responses: The Case of Presidential Approval (with R.M. Alvarez). Caltech Social Science Working Paper No. 1103.

How Much Does a Vote Count? Voting Power, Coalitions, and the Electoral College (with A. Gelman). Caltech Social Science Working Paper No. 1121.

A New Approach to Measuring the Racial Impact of Redistricting? (with A. Gelman and G. King)

Correcting for Survey Misreports using Auxiliary Information (with G. Katz).

Auctioning off the Agenda: Bargaining in Legislatures with Endogenous Scheduling Control (with J. Copic). Caltech Social Science Working Paper No. 1266.

The Effect of Voter Identification Laws on Turnout (with R.M. Alvarez and D. Bailey). Caltech Social Science Working Paper No. 1267R.

An Empirical Bayes Approach to Estimating Ordinal Treatment Effects (with R.M. Alvarez and D. Bailey). Caltech Social Science Working Paper No. 1293.

Moderation in the Pursuit of Moderation is No Vice: The Clear but Limited Advantages of Being a Moderate for Congressional Elections (with A. Gelman)

The Impact of Majority-Minority Districts in Congressional Elections (with D. Grigg).

Machines Versus Humans: The Counting and Recounting of Pre-scored Punchcard Ballots (with R.M. Alvarez and S. Hill).

Strategic Entry in U.S. House Elections (with G. Cox)

Time-Series–Cross-Section: Dynamics (with N. Beck)

**Awards and Fellowships**

Center for the Advanced Study in the Behavioral Sciences Fellowship, 2005–2006.

John Randolph Haynes and Dora Haynes Foundation Faculty Fellow, 2005–2006 (\$10,000).

National Science Foundation Grant (SES-0213549), 2002-2004.. Co-Principal investigator. Project title: “ Modeling Issues with Time-Series–Cross-Section Data” (\$112,000).

John M. Olin Foundation Faculty Fellow, 1999–2000 (\$110,000).

DAAD (German Academic Exchange Service) *Learn German in Germany* fellowship, Summer, 1998.

National Science Foundation Grant (SBR-9729899), 1998–1999. Co-Principal investigator.  
Project title: “ Strategic Redistricting and Its Political Consequences” (\$48,000).

Pi Sigma Alpha award for Best Paper Presented at the 1998 Midwest Political Science Association Meetings.

CQ Press Award for Best Paper in Legislative Politics Presented at the 1996 Annual Meeting of the American Political Science Association.

IBM University Equipment Grants Program, 1996–1997. Co-principal investigator.  
Project title: ‘Individuals and Aggregates: New Computational Techniques for Testing Models of Politics’ (\$134,00).

John Randolph Haynes and Dora Haynes Foundation Faculty Fellow, 1996–1997 (\$8,000).

National Science Foundation Graduate Research Fellow, 1991–1994.

Brooke/Cole Award for Best Graduate Student Paper Presented at the 1993 Midwest Political Science Association Meetings.

University of California Regents Fellow, 1990–1991.

### **Professional Activities**

Executive Officer for the Social Science, California Institute of Technology  
April 2007 – July 2007.

Founding Co-editor, Political Science Network (PSN), January 200 – Present.

Co-director, Caltech/MIT Voting Technology Project, October 2005 – Present.

Member, Caltech/MIT Voting Technology Project, October 2003- Present.

Member, Editorial Board of *American Journal of Political Science*, January 2006 – Present.

Member, Expert Panel on Measles Mortality Estimates, World Health Organization, 2004.

Treasurer, Political Methodology Section of the American Political Science Association.  
August, 2003 – Present.

Section Organizer and Member of the Program Committee for 2004 Annual Meeting of the American Political Science Association.

Member, Editorial Board of *Electoral Studies*  
January, 2002 – Present.

Director of Graduate Studies, Division of the Humanities and Social Sciences, California Institute of Technology  
July 2001 – Present.

Member, Editorial Board of *Political Analysis*  
July, 2001 – Present.

Member, Editorial Board of *Political Research Quarterly*  
June, 2000 – Present.

Member, Steering Committee of the USC-Caltech Center for the Study of Law & Politics.  
July, 2000 – Present.

Member of 2000 Miller Award Committee. Methodology section of the American Political Science Association.

Member of Program Committee for Fourteenth Summer Political Methodology Conference.

Instructor, ICPSR Summer Program in Quantitative Methods, University of Michigan  
Summer, 1994 and 1995.

Manuscript Reviewing for *American Economic Review*; *American Journal of Political Science*; *American Political Science Review*; *American Politics Research*; *Journal of the American Statistical Association*, *British Journal of Political Science*; *Electoral Studies*; *Comparative Political Studies*; *Election Law Journal*; *Electoral Studies*; *International Studies Quarterly*; *Journal of Econometrics*, *Journal of Law, Economics, and Organization*; *Journal of Peace Research*; *Journal of Politics*; *Journal of Political Economy*; *Legislative Studies Quarterly*; *Political Analysis*; *Political Research Quarterly*; *Politics and Policy*; *Political Research Quarterly*; *Quarterly Journal of Political Science*; and *Review of Economic Studies*, *Sociological Methods and Research*.

Book Manuscript Reviewing for University of Chicago Press, Cambridge University Press, and Oxford University Press.

Proposal Reviewing for the National Science Foundation.

Member of American Political Science Association, American Statistical Association, Midwest Political Science Association, Western Political Science Association, Southern Political Science Association, The Econometric Society.