

**Nathan A. Collins**  
Santa Fe Institute  
Santa Fe, NM 87501  
505.946.2788  
nac@santafe.edu nathanacollins2@gmail.com  
<http://www.santafe.edu/~nac>

## Education

Ph.D. Political Science, Stanford University, 2008.  
*Dissertation: Adaptive Models of Political Behavior*  
*Committee:* Jonathan Bendor, John Ferejohn, Kenneth W. Shotts

S.M. Physics, Massachusetts Institute of Technology, 2003.

B.S. Physics with honors, *magna cum laude*, University of Washington, 2000.  
(Minor in political science.)

## Employment

Omidyar Fellow, Santa Fe Institute, August 2008 – present  
Freelance science writer, September 2010 – present

## Papers

Nathan A. Collins. A Unified Model of Directional and Proximity Preferences. Revise and resubmit at *Quarterly Journal of Political Science*.

Nathan A. Collins. Spatial Partisanship. Under review at *Political Behavior*.

Nathan A. Collins, Jonathan Bendor, and Sunil Kumar. The Adaptive Dynamics of Turnout. *Journal of Politics* **71**(2) 457-472.

Jeremy Bailenson, Shanto Iyengar, Nick Yee, and Nathan A. Collins. Facial Similarity Between Voters and Candidates Causes Influence. *Public Opinion Quarterly*.

E.G. Adelberger, Nathan A. Collins, and C.D. Hoyle (2006). Analytic expressions for gravitational inner multipole moments of elementary solids and for the force between two rectangular solids. *Class. Quantum Grav.* **23**, 125-136.

Nathan A. Collins and Scott A. Hughes (2004). Towards a formalism for mapping the space-times of massive compact objects: Bumpy black holes and their orbits. *Phys. Rev. D* **69**(12), 124022.

## Invited Presentations

The Dynamics of Voter Turnout, University of Washington, February 2010.

Categorization and Spatial Choice, Santa Fe Institute, February 2008.

Categorization and Spatial Choice, Kellogg School of Management, Northwestern University, February 2008.

Categorization and the Psychology of Political Behavior, California Institute of Technology, October 2007.

Categorization and the Psychology of Political Behavior, Washington University, October 2007.

Ascriptive vs. Universalistic Norms, Part One: Preference Evolution. Conference on the Evolution of Norms, Institute for Mathematical Behavioral Science, University of California, Irvine, February 2006. (Copresenter with Jonathan Bendor.)

## **Work in Progress**

The Dynamics of Voter Turnout and Party Choice  
Voter Turnout Dynamics: A Study in the Theoretical Implications of Facts  
Why Do We Use Race and Gender When Policy Information is Available?  
Categorization and the Psychology of Political Behavior  
A Behavioral Model of Age and Turnout  
The Evolution of Tribe Formation  
The Evolutionary Dynamics of Social Preferences

## **Teaching**

Teaching Assistant, Political Methodology III, Spring 2005 and 2007. Course covers logistic regression, count and duration models, and special topics such as structural equation modeling.

Teaching Assistant, Introduction to American Politics, Winter 2005, 2006, and 2007. Survey course on American politics covering behavior, institutions, the Constitution, civil rights and civil liberties.

Teaching Assistant, Physics 8.01, Winter 2003 (MIT). Elementary mechanics course.

Teaching Assistant, Physics 8.01L, Winter 2002 (MIT). Elementary mechanics course for students with limited mathematical background.

## **Honors and Awards**

National Science Foundation Graduate Fellowship Honorable Mention, 1999 and 2000.

Undergraduate Fellow, Center for American Politics and Public Policy,  
University of Washington, 1999.

Mary Gates Research Scholar, University of Washington, 1998 and 1999.

Barry Goldwater Scholar, 1998.

## **Service to the Discipline**

Reviewer, *Quarterly Journal of Political Science*, *The American Journal of Political Science*, *Proceedings of the National Academy of Science*.