

**David K. Park**  
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## **Education**

Columbia University, New York, NY PhD in Political Science, 2004  
University of Maryland, College Park, MD Bachelor of Sciences, Aerospace Engineering, 1989  
Consortium on Qualitative Research Methods, Tempe, AZ, Winter 2002  
ICPSR, Ann Arbor, MI Summer Program in Quantitative Methods, Summer 2001  
Santa Fe Institute, Santa Fe, NM Complex Systems Summer School, Summer 1999  
Yonsei University, Seoul, Korea Language Study, 1991-1992

## **Experience**

Dean of Strategic Initiatives, Arts & Sciences, Columbia University, July 2014-Present

- Identify and develop initiatives that will serve to strengthen the Arts and Sciences, as well as Columbia University. Initiate, build and maintain a range of relationships and networks, both within and outside Columbia University.

Director, Special Projects, Applied Statistics Center, Columbia University, March 2012-Present

- Responsible for conceiving, developing, and managing strategic relationships and projects that advance the visibility, scope, and reach of ASC.

Senior Advisor to the EVP and Dean of the Faculty of the Arts & Sciences, Columbia University, January 2014-July 2015

- Provide advice and guidance on initiatives of both strategic and operational importance to the EVP and Dean of the Faculty of the Arts and Sciences. Identify and develop initiatives that will serve to strengthen the Arts and Sciences. Initiate, build and maintain a range of relationships and networks, both within and outside Columbia University to enhance the Arts and Sciences.

Co-Founder & President, HiTCH, January 2013-March 2014

- Co-founded and led a team of PhDs in machine learning and natural language processing to develop a search engine for the *unGoogled* world. We developed an algorithm that structures unstructured information and not only understands the content but context as well. Specifically, HiTCH is a patent pending machine learning and natural language processing algorithm that can look at vast amounts of unstructured textual information and quickly generate rich interactive ontologies where users can find more relevant information faster but more importantly discover previously unknown relationships as well.

Co-Founder & Director, Johnson Research Labs, July 2012-December 2013

- Co-founded a lab to develop algorithmic intelligence, i.e. an intersection of machine learning and natural language processing, across a broad array of domains to extract deep insights and knowledge from large complex systems.

Research Fellow, Harmony Institute, April 2012-May 2013

- Led an interdisciplinary team of researchers to measure the influence and impact of media and entertainment. Developed innovative methods to explore the impact of entertainment and introduced creative methods to spark research, including reading clubs, research-a-thons, and ‘anti-speaker’ series.

Co-Founder, Co-CEO & COO, MeeGenius!, August 2010-April 2012

- Co-founded a children's digital publishing company focused on improving children's literacy across multiple platforms such as the web and mobile devices. Managed the daily operations of the company including the content and technology teams. MeeGenius! has been downloaded millions of times and is one of the top downloaded and grossing apps in the book category in Apple's app store.

Visiting Scholar, Russell Sage Foundation, July 2009-June 2010

- Examined how the electoral map of U.S. presidential elections shifted (in the years from 1876 to 2000) from red to blue among states along the coasts and from blue to red among states in the South and Midwest. Investigated several possible causes for these reversals, including the distribution of wealth and inequality between the states, changes in political parties ideologies, changes in voter priorities, and the urban/rural divide.

Assistant Professor, Department of Political Science, George Washington University, July 2006-May 2010

- Conducted research and taught both undergraduate and graduate course in political science and statistics.

Visiting Researcher, Applied Statistics Center, Columbia University, July 2007-June 2008

- Worked with Andrew Gelman to complete our book *Red State, Blue State, Rich State, Poor State: Why Americans Vote the Way They Do*.

Assistant Professor, Department of Political Science and Applied Statistics, Washington University, July 2004-June 2006

- Conducted research and taught both undergraduate and graduate course in political science and statistics.

### **Affiliations**

Affiliated Member, Institute for Data Sciences, New Media Center, Columbia University

Founding Member, Digital Storytelling Lab, Columbia University

Fellow, Center for the Management of Systematic Risk, Columbia University

Fellow, Applied Statistics Center, Columbia University

Governance Board Member, Center on Technology Management, Columbia University

Board Member, Eyebeam

Board Member, HiTCH

### **Grants**

National Science Foundation Dissertation Grant, \$10,000, 2002

Rockefeller Foundation Seed Grant (with Robert Y. Shapiro), \$25,000, 1999-2000

### **Honors/Fellowship**

Miller Prize, 2004

Midwest Political Science Association's Robert H. Durr Award Finalist, 2002

Columbia University President's Fellow, 1997-1999, 2001, 2002-2003

Institute for Social and Economic Research and Policy Graduate Fellowship, 2001-2003

Consortium on Qualitative Research Methods, 2002

Political Methodology Summer Conference, 1998-1999, 2001-2006

American Political Science Association Travel Grant, 1998, 2002

Columbia University, Jacob Schiff Fellow, 2000-2001  
Clogg Scholarship, 2001  
Columbia University, Center for the Social Sciences Fellow, 1996-2000  
Bryan Jackson Award, 1999  
Barnard-Columbia University, Urban Policy Center Fellow, 1997  
Pi Mu Epsilon (Math Honor Society), 1986-1989

## Books

*Red State, Blue State, Rich State, Poor State: Why Americans Vote the Way They Do* (with Andrew Gelman, Boris Shor, Joseph Bafumi, and Jeronimo Cortina). Princeton University Press. 2008.

## Journal Articles

“Understanding Persuasion and Activation in Presidential Campaigns: The Random Walk and Mean Reversion Models” (with Noah Kaplan, Andrew Gelman). *Presidential Studies Quarterly* (forthcoming)

“Splitting the Predictor at the Upper Quarter or Third and the Lower Quarter or Third” (with Andrew Gelman). *American Statistician* (forthcoming)

“Estimating the Impact of Redistricting on Minorities’ Policy Influences” (with David Epstein, Sharyn O’Halloran, Michael C. Herron). *Journal of Law, Economics, and Organization* 23(2): 499-518. 2007.

“A Bayesian Multilevel Modeling Approach to Time-Series Cross-Sectional Data” (with Boris Shor, Joseph Bafumi, and Luke Keele). *Political Analysis* 15(2) 165-181. 2007.

“Rich State, Poor State, Red State, Blue State: What’s the Matter with Connecticut?” (with Andrew Gelman, Boris Shor, and Joseph Bafumi). *Quarterly Journal of Political Science* 2: 345-367. 2007.

“R2WinBUGS” (with Andrew Gelman and Noah Kaplan) *The Political Methodologist* 14(2): 5-10. 2006.

“Dialogue in American Political Campaigns? An Examination of Issue Convergence in Candidate Television Advertising” (with Noah Kaplan and Travis R. Ridout). *American Journal of Political Science* 50(3): 724-736. 2006.

“Practical Issues in Implementing and Understanding Ideal Points” (with Joseph Bafumi, Andrew Gelman, and Noah Kaplan). *Political Analysis* 13: 171-187. 2005.

“Bayesian Multilevel Estimation with Poststratification: State-Level Estimates from National Polls” (with Andrew Gelman and Joseph Bafumi). *Political Analysis* 12: 375-385. Winner of The Miller Prize Best Paper in Political Analysis. 2004.

“Paradigms of Minority Political Participation in the United States” (with Carlos Vargas-Ramos). *Research in Micropolitics: Political Decision-Making, Deliberation and Participation* 6: 253-293. 2002.

“Models, Assumptions, and Model Checking in Ecological Regressions” (with Andrew Gelman, Stephen Ansolabehere, Phillip N. Price, and Lorraine C. Minnite). *Journal of the Royal Statistical Society, Series A* 64(1): 101-118(18). 2001.

“The Question of Latino Participation: from an SES to a Social Structural Explanation” (with Natasha Hritzuk) *Social Science Quarterly* 81:151-166. 2000.

### **Current Book Projects**

“Is History Repeating Itself? Comparing 1875 to 1928 and 1971 to 2008”

“The Twentieth Century Reversal: How did the Republican States Switch to the Democrats and Vice Versa?”

“The Electoral Origins of Political Polarization”

### **Teaching Experience**

Quantitative Methods in Political Analysis I

Practical Statistics and Visualization

Bayesian Multilevel Models

Maximum Likelihood Estimation

Campaigns, Voting and Elections

U.S. Political Participation

Introduction to Empirical Political Analysis