DAVID MICHAEL ROTHSCHILD
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New York City

CURRENT POSITIONS

Microsoft Research, New York, NY (May 2012 – Present)
Economist
Founder and manager of Microsoft Prediction Lab, an online laboratory dedicated to real-time sentiment and predictions through online/social media data, polling, and predicting games; MPL produces valuable market intelligence, engagement, and research.

Columbia University, (May 2012 – Present) Fellow, Applied Statistics Center
University of Pennsylvania, (2014-Present) Fellow, Penn Program on Opinion Research and Election Studies
New York University, (2015-Present), Member, Social Media and Political Participation

PAST POSITIONS

Yahoo! Research, New York, NY (May 2011 – May 2012) Post-Doctoral Economist

EDUCATION

University of Pennsylvania's Wharton School of Business, Philadelphia, PA (July 2006 – May 2011)
Ph.D. in Applied Economics (Business and Public Policy concentration)
Advisor: Justin Wolfers, *Secondary Advisor:* Sunshine Hillygus
Carlos and Rosa de la Cruz PhD Fellowship

Brown University, Providence, RI (September 1998 – May 2002)
Sc.B. in Civil Engineering and B.A. in History
Cumulative GPA 3.9/4.0
Magna Cum Laude - highest honors (Brown bestows no summa cum laude)
Phi Beta Kappa, national liberal arts and sciences honors society
Tau Beta Pi, national engineering honor society, junior year induction
Sigma Xi, national science research honor society

Research Assistant for William Easterly (September 2005 – June 2006)

RESEARCH FIELDS

Behavioral Economics/Public Opinion, Decision Making/Marketing, Experimental Economics, Political Economy, Public Economics/Public Policy

PUBLISHED PAPERS

1) Rothschild, David. 2009. "Forecasting Elections: Comparing Prediction Markets, Polls, and their Biases." *Public Opinion Quarterly*. Vol. 73, No. 5, pp 895-916.

Rothschild, David. 2010. "Debiased Aggregated Polls and Prediction Market Prices." *Chance*. Vol. 23, No. 3, pp 6-7.

2) Teschner, Florian and David Rothschild. 2012. "Simplifying Market Access: a New Confidence-Based Interface." *Journal of Prediction Markets*, Vol. 6, No. 3, pp 27-41.

3) Dudik, Miroslav, Sebastien Lahaie, David Pennock, and David Rothschild. 2013. "A Combinatorial Prediction Market for the U.S. Election." *Electronic and Computation.*

4) Goldstein, Daniel G., and David Rothschild. 2014. "Lay understanding of probability distributions." *Judgment and Decision Making*, Vol. 9, No. 1, pp 1-14.

5) Rothschild, David and David Pennock. 2014. "The Extent of Price Misalignment in Prediction Markets." *Algorithmic Finance*, Vol. 3, pp 3-20.

6) Wang, Wei, David Rothschild, Sharad Goel, and Andrew Gelman. 2015. "Forecasting Election with Non-Representative Polls." *International Journal of Forecasting*, Vol. 31, pp. 980-991

7) Hummel, Patrick, and David Rothschild. 2014. "Fundamental Models for Forecasting Elections at the State Level." *Electoral Studies*, Vol. 35, pp. 123-139.

8) Rothschild, David. 2015. "Combining forecasts for elections: Accurate, relevant, and timely." *International Journal of Forecasting*, Vol. 31, pp. 952-964.

9) Rothschild, David and Neil Malhotra. 2014. "Are public opinion polls self-fulfilling prophecies?" *Research and Politics*, Vol. 1, No. 2.

10) Pathak, Deepak, David Rothschild, and Miro Dudik. 2015. "A comparison of forecasting methods: fundamentals, polling, prediction markets, and experts." *The Journal of Prediction Markets*. Vol. 9, No. 2, pp 1-31.

11) Gelman, Andrew, Sharad Goel, Douglas Rivers, and David Rothschild. 2016. "The Mythical Swing Voter." *Quarterly Journal of Political Science*. Forthcoming.

12) Gelman, Andrew, Sharad Goel, David Rothschild, and Wei Wang. 2016. "High Frequency Polling with Non-Representative Data" Book chapter in *Routledge Studies in Global Information, Politics and Society*. Forthcoming.

WORKING PAPERS

1) "Manipulation in Conditional Decision Markets" with Florian Teschner and Henner Gimpel

2) "Selection bias in documenting online conversations" with Ran He

3) "A new way to think about confidence ranges" with Daniel G. Goldstein and Florian Teschner

4) "Trading Strategies and Market Microstructure: Evidence from a Prediction Market" with Rajiv Sethi

5) "Expectations: Point-Estimates, Probability Distributions, and Forecasts"

6) "Forecasting Elections: Voter Intentions versus Expectations" with Justin Wolfers

7) "Online and social media data as a flawed continuous panel survey" with Fernando Diaz, Michael Gamon, Jake Hofman, and Emre Kiciman

8) "Expertise in the Field Fades in the Lab" with Etan Green and Justin Rao

9) "Geolocated Panel to study impacts of events on Twitter" with Han Zhang and Shawndra Hill

10) "Non-representative Surveys: fast, cheap, and mostly accurate" with Sharad Goel and Adam Obeng

11) "Disentangling Total Error, Bias, and Variance in Election Polls with Andrew Gelman, Sharad Goel, and Houshmand Shirani-Mehr

12) "Markets, Government, and Access to Local Goods and Service Establishments" with Joel Waldfogel

13) "Timber Bridges for Unindustrialized Areas." (Brown University senior honors thesis; advised by Professor Barrett Hazeltine, department of engineering)

POPULAR WRITING
Blogger for *PredictWise* 2010-Present
Blogger for *MSNBC* 2015-Present
Blogger for *Huffington Post* 2012-2014
Blogger for *Yahoo!* 2011-2012
Blogger for *Wall Street Journal* 2008

RESEARCH FUNDING
Carlos and Rosa de la Cruz PhD Fellowship: 2009-2010 and 2010-2011
Russell Ackoff Doctoral Student Fellowship Award: 2010

REFEREE
Public Opinion Quarterly, Quarterly Journal of Political Science, Social Science Quarterly, Management Science, Economics and Computation, Economic Inquiry, Journal of Economic Analysis & Policy, Policy and Internet, PC for MAGG, AAPOR Posters, SJDM Posters, PC for IJCAI, PC for QPOL, Southern Economic Journal, Mercatus Center

SEMINAR PRESENTATIONS

University of Pennsylvania's Wharton School, Nov 2010 • University of Kansas's Business School, Jan 2011 • Santa Clara University's Business School, Jan 2011 • eBay Research Lab, Jan 2011 • Queens College, Feb 2011 • Yahoo! Research, Feb 2011 • Drexel University's LeBow College of Business, Apr 2011 • University of Colorado's Leeds School of Business, Feb 2013 • Duke University, April 2013 • Fordham, October 2014 • Stanford's GSB, October 2014 • Santa Clara's Business School, October 2014 • University of Pennsylvania's Wharton School, February 2014 • University of Pennsylvania's Wharton School, October 2014 • New York University, December 2014

CONFERENCE PRESENTATIONS

Political Science/Public Opinion: APSA (American Political Science Association): 2010-2013 • MPSA (Midwestern Political Science): 2010-2016 • AAPOR (American Association for Public Opinion Research): 2010, 2012-2013 • DC-AAPOR Workshop: 2010

Judgment and Decision Making (Marketing, Behavioral Economics, Psychology): SJDM (Judgment and Decision Making): 2012-2015 • BDRM (Behavioral Decision Research in Management)/SPUDM (Subjective Probability, Utility, and Decision Making): 2012-2014 • ACR (Association for Consumer Research): 2012-2013

Economics: NBER Market Design Workshop: 2012 • NBER Forecasting & Empirical Methods in Macro & Finance Workshop: 2012 • NBER Political Economy Workshop: 2011 • DAGGRE Workshop Keynote: 2012 • AEA (American Economic Association): 2013

Computer Science: EC (Economics and Computation): 2011, 2013, 2015 • AMMA Conference: 2011 • Invited Talk at NIPS: 2011 • AAAI Spring Symposium 2012 on Wisdom of the Crowd• PLEAD Workshop @ CIKM: 2012 • Collective Intelligence 2014

QUOTED IN POPULAR PRESS

New York Times, New York Magazine, NPR, Wall Street Journal, Time, PBS (NewsHour), Yahoo!, Huffington Post, Boston Globe, Bloomberg, Forbes, Wall Street Journal Radio, National Journal, CBS Radio, DCist, Tomorrow Magazine, CNET, GigaOM, IEEE Spectrum, Daily Beast, Daily Caller, The Verge, New Scientist, MIT Technology Review, Scientific American, ING, Boston Herald, Business Week, Reuters, Daily Kos, Fox News.com, Washington Times, G4TV, Popular Science, Techweek Europe, Xconomy, Daily News

PROFESSIONAL EXPERIENCE

President – DemStore – Washington, DC (January 2003 – June 2006)

Largest political materials consulting firm in USA: design, production, inventory, distribution and direct sales of materials – merchandizing for all major Democratic presidential campaigns in 2004

Materials Director – Tony Sanchez for Governor – Austin, TX (June 2002 – December 2002)

Civil Engineering Intern – Consolidated Edison – New York, NY (Summer 2001)

Opposition Research Intern – New York State Democratic Committee - New York City (Summer 2000)
White House Intern – White House - Washington D.C. (Summer 1999)

GENERAL EXPERIENCE / SKILLS

- *Computer Skills:* R, STATA, Matlab, CAD, Maple, some C, Illustrator
- *Outside Interests:* Golf, Squash, Surfing, Tennis, Rugby, Banjo, Chess, Backgammon