

Alexander L. Davis

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Employment

January 2014–	Research Scientist, Department of Engineering and Public Policy, Carnegie Mellon University.
2012-2013	Post-Doctoral Fellow, Center for Climate and Energy Decision-Making, Department of Engineering and Public Policy, Carnegie Mellon University.

Education

September 2012	Ph.D. Behavioral Decision Research, Carnegie Mellon University. Chair: Baruch Fischhoff. Committee Members: David Danks and Julie Downs. Title: “The File-Drawer Problem.”
May 2009	M.S. Behavioral Decision Research, Carnegie Mellon University. Co-chairs: John Miller and Carey Morewedge. Committee Members: George Loewenstein and Roberto Weber. Title: “Prosocial Behavior in the Allocation of Bads.”
May 2007	B.S. Psychology with minors in Mathematics and Biology, <i>summa cum laude</i> , Northern Arizona University. Advisor: Derrick R. Wirtz. Title: “Beliefs and Inter-Temporal Judgment and Decision-Making.”

Publications

2014

Fischhoff, B., **Davis, A.** (2014). Communicating uncertainty. *Proceedings of the National Academy of Sciences*, In Press.

Davis, A., Fischhoff, B. (2014). Communicating uncertain experimental evidence. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 40(1), 261-274.

2013

Davis, A., Krishnamurti, T., Fischhoff, B., and Bruine de Bruin, W. (2013). Setting a standard for electricity pilot studies. *Energy Policy*, 62, 401409.

Ling Murtaugh, K., Krishnamurti, T., **Davis, A.**, Reback, C., and Shoptaw, S. (2013). Spend today, clean tomorrow: Predicting methamphetamine abstinence in a randomized controlled trial. *Health Psychology*, 32(9), 958–966.

Davis, A., Krishnamurti, T. (2013). The problems and solutions of predicting participation in energy efficiency programs. *Applied Energy*, 111, 277–287.

Krishnamurti, T., **Davis, A.**, Wong-Parodi, G., Wang, J., and Canfield, C. (2013). Creating an in-home display: Experimental evidence and guidelines for design. *Applied Energy*, 108, 448–458.

2011

Krishnamurti, T., Schwartz, D., **Davis, A.**, Fischhoff, B., Bruine de Bruin, W., Lave, L., and Wang, J. (2011). Preparing for smart grid technologies: A behavioral decision research approach to understanding consumer expectations about smart meters. *Energy Policy*, 41, 790–797.

Working Papers

Davis, A., Miller, J., and Bhatia, S. (2013). Are preferences for harming others rational?

Davis, A., Miller, J., and Weber, R. (2013). Generosity across contexts.

Davis, A., Krishnamurti, T., Fischhoff, B., and Apt, J. (2013). One Good Trial.

Davis, A. (2013). Incentives, error, and data sharing.

Grants and Fellowships

2014	The Wilton E. Scott Institute for Energy Innovation, Development and pilot testing of experimental designs for use with instruments to measure appliance electricity use (\$30,000). Co-PI with Gabrielle Wong-Parodi and Tamar Krishnamurti, Carnegie Mellon University.
2014	The Gelfand Center, Evaluating the SUCCEED program (\$7,000). Co-PI with Kelly Klima, Carnegie Mellon University.
2014	New York State Energy Research and Development Authority, PON 2631: Behavior Research and Energy Decision Making. Enabling and Evaluating Do-It-Yourself Energy Workshops (\$100,000). Co-PI with Tamar Krishnamurti and Gabrielle Wong-Parodi, Carnegie Mellon University.
2013	Richard King Mellon Foundation. Enabling energy efficiency in Pittsburgh's class B and C commercial office buildings (\$149,000). Co-PI with Gabrielle Wong-Parodi and Tamar Krishnamurti, Carnegie Mellon University.
2012	NSF doctoral dissertation enhancement grant (SES-1061315) (\$10,000). The File-Drawer Problem. With Baruch Fischhoff, Carnegie Mellon University.
2008	NIMH Departmental Training Grant (MH019102). Mental Health Implications of Empathy Gaps. With George Loewenstein and Carey Morewedge, Carnegie Mellon University.
2007	Center for Behavioral Decision Research small research grant (\$2,000). Negative Altruism. With John Miller, Carnegie Mellon University.
2007	Center for Behavioral Decision Research small research grant (\$1,400). Serial Order Effects: A Product of Biased Recall. With Carey Morewedge, Carnegie Mellon University.

Professional Service

Ad-hoc reviewer for the National Science Foundation, Decision Risk and Management Science

Conference Paper Presentations

2013	Davis, A. Lay theories for prediction and program design. Behavior, Energy, and Climate Change Conference. Precourt Energy Efficiency Center, Sacramento, CA.
2012	Fischhoff, B., Davis, A. Disclosing Ignorance. New Science-New Risks. Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, PA.
2012	Davis, A. , Krishnamurti, T., Fischhoff, B., and Bruine de Bruin, W. Setting a standard for energy pilot studies: Guidelines for design, representation, and evaluation. Eighth Annual Carnegie Mellon Conference on the Electricity Industry: Data-Driven Sustainable Energy Systems, Pittsburgh, PA.
2011	Davis, A. , Krishnamurti, T., Fischhoff, B., and Bruine de Bruin, W. Setting a standard for energy pilot studies: Guidelines for design, representation, and evaluation. Industry Studies Association Annual Conference, Pittsburgh, PA.
2008	Davis, A. A Good/Bad Asymmetry in Interpersonal Allocations. Graduate Student Conference on Experiments in Interactive Decision Making, Princeton University, Princeton, NJ.
2007	Davis, A. Decision-Making in the Academic Realm. Second Annual Arizona Psi Chi Undergraduate Research Convention, Flagstaff, AZ.
2006	Davis, A. Re-examination of the labor-in-vain effect: Analysis of materials. First Annual Arizona Psi Chi Undergraduate Research Convention, Tempe, AZ.

Honors and Awards

2007	Golden Axe Award: highest award at Northern Arizona University.
2007	Outstanding Senior Award in Psychology, Northern Arizona University.
2006	Outstanding General Chemistry Student Award, Northern Arizona University.
2005	Demund Scholar, Northern Arizona University.
2004-2007	Deans list with 4.0 G.P.A., Northern Arizona University.

Conference Poster Presentations

2008	Davis, A. , Morewedge, C.K., and Bruin de Bruin, W. Memory is the Harshest Critic. Poster presented at the annual meeting of the Society for Judgment and Decision Making, Chicago, IL.
2008	Wirtz, D., Larsen, B., and Davis, A. The Syndrome Perspective in Predicting and Reacting to Terrorism: The Role of Right-Wing Authoritarianism. Poster presented at the annual meeting of the Society of Personality and Social Psychology, Albuquerque, NM.
2007	Davis, A. , Raso, K., Augustine, H., Oplinger, R., Larsen, B., and Wirtz, D. An implicit syndrome perspective in identifying possible terrorists: The role of right wing authoritarianism. Poster presented at the 2nd Annual Arizona Psi Chi Undergraduate Research Convention, Flagstaff, AZ.
2007	Davis, A. , Gest, B., Oplinger, R., Augustine, H., and Wirtz, D. Everyday Experiences in PSY 101: Examining Students Academic Decision-Making. Poster presented at the 2nd annual Arizona Psi Chi Undergraduate Research Convention, Flagstaff, AZ.
2007	Wirtz, D., Scollon, C., Gest, B., Caldwell, A., Birchfield, T., and Davis, A. Should I Take Another Psychology Class? On-line Reactions, Recall, and Beliefs as Predictors of Students Course Choices. Poster presented at the annual meeting of the Society of Personality and Social Psychology, Memphis, TN.
2006	Davis, A. , Gest, B., Oplinger, R., Augustine, H., and Wirtz, D. Everyday Experiences in PSY 101: Examining Students Academic Decision-Making. Poster presented at NAUs Family Weekend Undergraduate Showcase, Flagstaff, AZ.
2006	Davis, A. , Wirtz, D. Re-examination of the labor-in-vain effect: Analysis of materials. Poster presentation at the Arizona Psi Chi Undergraduate Research Convention, Tempe, AZ.

Professional Affiliations

2008-current	American Psychological Association
2008-current	Association for Psychological Science
2008-current	American Economic Association, Member
2007-current	Society for Personality and Social Psychology

Teaching Experience

2014	Applied Data Analysis, Instructor, Carnegie Mellon University
2014	Seminar on Climate and Energy Decision Making Under Uncertainty, Instructor, Carnegie Mellon University
2008, 2009	Behavioral Decision Making, Teaching Assistant, Carnegie Mellon University
2007	Desires and Decisions, Teaching Assistant, Carnegie Mellon University

Graduate Coursework

Economics

90-908	PhD Microeconomics
88-702	Behavioral Economics
88-724	Group Decision Experiments

Psychology

88-703	Human Judgment and Decision-Making
85-758	Pro-Social Behavior
85-702	Cognitive Modeling
85-743	Social Factors and Well-being
85-790	Human Memory

Statistics

PT-706	Analysis of Variance
90-905	Statistics for Social Policy Analysis
90-906	Introduction to Econometric Theory
90-907	Econometric Theory and Methods
36-705	Intermediate Statistics

Professional References

- Baruch Fischhoff; Howard Heinz University Professor of Social and Decision Sciences and Engineering and Public Policy, and Head, Decision Sciences Major, 208 Porter Hall Pittsburgh, PA, 15213, baruch@cmu.edu.
- John H. Miller; Professor and Department Head, Department of Social and Decision Sciences Carnegie Mellon, 208 Porter Hall Pittsburgh, PA, 15213, jm7t@andrew.cmu.edu.
- Wandi Bruine de Bruin; Professor, Leeds University Business School, Maurice Keyworth Building, The University of Leeds, Leeds, LS2 9JT, United Kingdom; Associate Professor, Department of Engineering and Public Policy, Carnegie Mellon University, 208 Porter Hall Pittsburgh, PA, 15213, w.bruinedebruin@leeds.ac.uk.
- Roberto A. Weber; Professor of Economics, Department of Economics, University of Zurich, Blmlisalpstrasse 10, 8006 Zurich, Switzerland, roberto.weber@econ.uzh.ch.