Paul Michael Litvak

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Technical Skills

Experimental and Quasi-Experimental Design and Analysis, Survey Research, Longitudinal Studies

Synthesizing and Explaining Complex Data to Expert and Lay Audiences

Project Management, Small Team Management, Managing Multiple Projects Simultaneously

Statistical Models, including*:* linear, logistic, ordinal logistic, Poisson, multilevel and instrumental variable regression, ANOVA, mixed models, principal components analysis, genetic programming

Programming in R, PHP,C++, SQL (Hadoop Hive, MySql and Oracle variants)

Knowledge of statistical platforms in R, SAS, SPSS, JMP, Excel

Geographical Information Systems, ArcGIS

Education

Ph.D.   Behavioral Decision Research, Carnegie Mellon University, April 2011
           Dissertation title: *The Effect of Money on Perception and Behavior*

M.S.   Behavioral Decision Research, Psychology, Carnegie Mellon University, May 2007.
           Master's thesis title: *The Influence of Negative Incidental Emotions on Risk Taking Behavior*

B.S.   Philosophy, Computer Science, University of Michigan, 2002

Work Experience

Data Analyst   Facebook Inc., November 2010-Present
In the department of Risk Management, built framework for optimizing costs and conducted statistical analyses to understand and combat fraud, also worked on measuring and understanding user experience; taught research methods and statistics, also managed another analyst and an intern

Chief Science Officer   Farsite Group, Summer 2007-Present
Primary statistical analyst, built sales forecasting models and gravity models for clients including Speedway SuperAmerica and Dick's Sporting Goods; designed a decision-making platform for retail real estate

Statistical Consultant   nTAG Incorporated, 2006-2008
Analyzed data from individuals' interactions at conferencing gathered using electronic name badges.; conducted field experiment and longitudinal followup study on how networking impacts one's social network over time

Software Engineer   nTAG Incorporated, 2004-2005
On-site engineer and software developer for interactive electronic name badges

Research Programmer   Department of Human Genetics, University of Michigan, 2003-2004
Implemented parallel software utilizing C++/MPI to find multiple SNP associations with disease risk factors

Additional Positions Held

Research Fellow, Harvard Kennedy School of Government, Fall 2007-Spring 2009.
Teaching Assistant, Harvard Kennedy School of Government, Masters Course in Public Policy, Fall 2008
Teaching Assistant, Carnegie Mellon University, Parallel Distributed Processing, Spring 2006
Teaching Assistant, Carnegie Mellon University, Policy Analysis I, Fall 2006
Teaching Assistant, Carnegie Mellon University, Decision Analysis and Decision Support Systems, Spring 2005
Teaching Assistant, Carnegie Mellon University, Policy Analysis I, Fall 2005

Publications

Litvak, P. M., Tiedens, L. Z., & Lerner J. S., (2010). *The effects of anger on judgment and decision making*. Invited chapter to appear in M. Potegal, Stemmler, G., & Spielberger, C. D. (Ed.), *Handbook of Anger Research*. New York: Springer.

Litvak, P.M. & Lerner, J. S. (2009). Cognitive bias. *The Oxford Companion to the Affective Sciences* (D. Sander and K. Scherer, Eds.). Oxford University Press.

Daida, J. M., Yalcin S. P., Litvak P. M., Eickhoff, G. A., Polito 2, J. A. (1999). "Of Metaphors and Darwinism: Deconstructing Genetic Programming's Chimera," *CEC-99: Proceedings of the 1999 Congress on Evolutionary Computation*. Piscataway: IEEE Press, 1999. pp.453-462.

Additional Training
Trained in the acquisition and analysis of physiological measures of autonomic arousal, e.g. impedance cardiography and galvanic skin conductance

References Available Upon Request