

Curriculum Vitae
David M. Boynton

Psychology Department
Saint Michael's College
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Educational History

Post-Doctoral Fellowship, Quantitative Division of the Psychology Department at the
University of Illinois, Urbana-Champaign, 1995 - 1997.

Ph.D., Experimental Psychology, *University of Maine, 1995.*

B.A., Psychology, Summa Cum Laude, *University of Maine, 1988.*

B.A., Philosophy, Summa Cum Laude, *University of Maine, 1988.*

Exchange Student, Psychology, *McGill University, Montreal Canada, 1984-85.*

Employment History

Associate Professor, St. Michael's College: Cognitive Psychology. Responsibilities include teaching Cognition, Learning, Intuition, Statistics, Research Methods, and History and Issues of Psychology, Fall 2001 to the present.

Assistant Professor, Western Connecticut State University: Quantitative/Experimental Psychology. Responsibilities included teaching General Psychology, Physiological Psychology, Cognitive Neuroscience, Statistics, Principles of Research, Experimental Psychology, Senior Research Seminar, and the History of Psychology, Fall, 1997 to Summer, 2001.

Instructor, University of Illinois, Urbana-Champaign: Statistics, Spring, 1997.

Post-Doctoral Fellowship, Quantitative Division, Psychology Department, University of Illinois, Urbana-Champaign, Fall, 1995 - Spring, 1997.

Instructor, University of Maine: General Psychology, Sensation and Perception, Statistics, Research Methods, Graduate Teaching Assistantship, Fall, 1991 - Spring, 1995.

Graduate Research Assistantship, University of Maine, Animal Learning and Perception Laboratory, Fall 1989 - Summer, 1991.

Awards and Honors

Elected to the *Steering Committee of the New England Psychological Association* for a 3-year term beginning October, 2008.

Contributing author of grant proposal to the *George I. Alden Trust* for \$138,000 for technological improvements, Spring, 2004.

SMC Junior Faculty Summer Stipend from the Faculty Development Committee, Fall, 2002.

SMC Curriculum Development Grant, Psychology Department's Library of Tests and Measures, Spring, 2002.

WCSU Faculty Development Grant, Fall, 1998.

Postdoctoral National Research Service Award, University of Illinois, Urbana-Champaign, 1995.

Letter of Commendation for Teaching Excellence, University of Maine, 1994.

First Prize, Lucien Cuprak Memorial Student Paper Contest, Maine Biological and Medical Sciences Symposium, 1993.

Thomas Blodgett Scholarship, 1987.

Dean's List Award for Academic Achievement, 1986.

Exchange Student, McGill University, Montreal Canada, 1984-85.

Published Manuscripts

Boynton, D. M., and Smith, L. D. (2006). Bringing history to life: Simulating landmark experiments in psychology. *History of Psychology*, 9(2), 113-143.

Boynton, D. M. (2006). The gambler's fallacy effect. In N. J. Salkind (Ed.), *The Encyclopedia of Measurement and Statistics*. Thousand Oaks, CA: Sage.

Kirshenbaum, Ari P.; Bickel, Warren K.; Boynton, David M. (August 2006). Simulated opioid withdrawal engenders risk-prone choice: A comparison of intravenous and intranasal-using populations. *Drug and Alcohol Dependence*, 83(2), pp. 130-136.

Boynton, D. M. (2003). Superstitious responding and frequency matching in the positive bias and gambler's fallacy effects. *Organizational Behavior and Human Decision Processes*, 91, 119-127.

- Boynton, D. M. (2000). The psychophysics of informal covariation assessment: Perceiving relatedness against a background of dispersion. *Journal of Experimental Psychology: Human Perception and Performance*, 26, 867-876.
- Boynton, D. M. (2000). James J. Gibson. In A. E. Kazdin (Ed.), *The encyclopedia of psychology*. Washington, D. C., & New York: APA Press & Oxford University Press.
- Boynton, D. M., Smith, L. D., & Stubbs, D. A. (1997). Sensitivity and bias in covariation detection: A direct approach to a tangled issue. *Organizational Behavior and Human Decision Processes*, 72, 79-98.
- Boynton, D. M. (1995). Visual processing of orientation and density in scatter plots (Doctoral dissertation, University of Maine, 1995). *Dissertation Abstracts International: Section B: The Sciences and Engineering*, 56, 5804.
- Stubbs, D. A., Dreyfus, L. R., Fetterman, J. G., Boynton, D. M., Locklin, N., & Smith, L. D. (1994). Duration comparison: Relative stimulus differences, stimulus age, and stimulus predictiveness. *Journal of the Experimental Analysis of Behavior*, 62, 15-32.
- Boynton, D. M. (1993). Relativism in Gibson's theory of picture perception. *Journal of Mind and Behavior*, 14, 51-69.

Presentations and Posters

- Boynton, D. M. (2006). Visualizing Neural Networks: Interactive Applications for Teaching and Learning Neural Networks. Poster presented at the annual meeting of the Association for Psychological Science, New York, NY.
- Boynton, D. M. (2005). A Gambling Analog of the PREE Procedure: When Losses Are Bad and When They're Trouble. Poster presented at the annual meeting of the American Psychological Society, Los Angeles, CA.
- Boynton, D. M., & Pope, S. E. (2004). Neural Dynamics of Decision Making: Affective-Balance Theory and the Bettor's Fallacy Effect. Poster presented at the annual meeting of the American Psychological Society, Chicago, IL.
- Boynton, D. M. (2003). Gambler's Fallacy and Escalating Wagers: Costs of Anticipating Chance Events. Poster presented at the annual meeting of the American Psychological Society, Atlanta, GA.
- Boynton, D. M., and Smith, L. D. (2003). Bringing History to Life: Simulating Landmark Experiments in Psychology. Poster presented at the annual meeting of the Teaching Institute of the American Psychological Society, Atlanta, GA.

- Boynton, D. M. (2002). When Illusory Correlations Go Wrong, Blame It On Chance! Poster presented at the annual meeting of the American Psychological Society, New Orleans, LA.
- Boynton, D. M., and Sostilio, C. (2002). Anxiety, Serenity, and the Gambler's Fallacy Effect. Poster presented at the annual meeting of the Eastern Psychological Association, Boston, MA.
- Boynton, D. M. (2001). Illusory Correlation and the Gambler's Fallacy: Two Sides of the Same (Random) Coin. Poster presented at the annual meeting of the Eastern Psychological Association, Washington, D.C.
- Boynton, D. M. (2000). Conceptual Challenges to Science and Methods in Psychology. Chair of a Symposium presented at the annual meeting of the Eastern Psychological Association, Baltimore, MD. Guest speakers included John E. Jalbert (Sacred Heart University), Richard N. Williams (Brigham Young University), and Edwin Gannt (Brigham Young University).
- Boynton, D. M. (1999). The Structure of Correlation is Perceived Against a Background of Predictive Error. Poster presented at the annual meeting of the American Psychological Society, Denver, CO.
- Boynton, D. M. (1999). Perceiving the Relatedness of Variables in Scatterplots: What Are the Components? Poster presented at the annual meeting of the Eastern Psychological Society, Providence, RI.
- Khoo, B. H., & Boynton, D. M. (1998). Can Educators Promote Self-Esteem Without Encouraging Mediocrity. Idea Exchange conducted at the annual meeting of the American Psychological Society, Washington D.C.
- Boynton, D. M. (1998). Testing the Predictions of the Narrow Window Theory of Covariation Detection. Paper presented at the annual meeting of the Eastern Psychological Association, Boston, MA.
- Boynton, D. M. (1996). The Psychophysics of Covariation Detection: The Development of a Paradigm for the Study of Sensitivity and Bias in Covariation Detection. Poster session presented at the annual meeting of the American Psychological Association, Toronto, Canada.
- Stubbs, D. A., Boynton, D. M., Fetterman, J. G., & Dreyfus, L. R. (1996). Response Comparison, Duration Comparison, and a Psychophysical/Remembering Model. Paper presented at the annual meeting of the Society for the Quantitative Analysis of Behavior, San Francisco.
- Boynton, D. M., & Stubbs, D. A. (1996). Mathematical Development of Staddon's Perspective Metaphor of Event Discrimination. Paper presented at the meeting of the Midwestern Psychological Association, Chicago, IL.

- Gold, J. M., Boynton, D. M., & Stubbs, D. A. (1995). The Perception of Change in Binary Sequences. Paper presented at the Maine Biological and Medical Sciences Symposium, Bar Harbor, ME.
- Boynton, D. M., & Gold, J. M. (1995). Nonselective Processing of Scatter Plots. Paper presented at the annual meeting of the Eastern Psychological Association, Boston.
- Boynton, D. M., & Johansson, P. N. (1994). Production and Estimation of Association in Scatter Plots. Paper presented at the Spring 1994 meeting of the Maine Psychological Association, Bangor, ME.
- Boynton, D. M. (1994). Outliers and the Perception of Association in Scatter Plots. Paper presented at the meeting of the Eastern Psychological Association, Providence, RI.
- Thomas, M. B., Stubbs, D. A., Smith, L. D., Boynton, D. M., Johansson, P. N., & Doble, T. M. (1993). Judgments of 2-D and 3-D Graphs: Avoid 3-D Graphs. Paper presented at the meeting of the American Psychological Association, Toronto, Canada.
- Smith, L. D., Boynton, D. M., Stubbs, D. A., Doble, T. M., Johansson, P. N., & Thomas, M. B. (1993). When Less is Not More: An Empirical Critique of Data-Smoothing. Paper presented at the meeting of the American Psychological Association, Toronto, Canada.
- Boynton, D. M. (1993). Can Pigeons Count? Pigeons and a Complex Numerosity Discrimination Task. Paper presented at the Maine Biological and Medical Sciences Symposium, Castine, ME.
- Smith, L. D., Boynton, D. M., Stubbs, D. A., & Doble, T. M. (1992). Perceptual Judgments of Statistical Significance: The Intuitive t-test. Paper presented at the meeting of the American Psychological Association, Washington, DC.
- Doble, T. M., Boynton, D. M., Smith, L. D., & Stubbs, D. A. (1992). Judging Statistical Significance from Graphs: Effects of Mean-Lines and Scaling. Paper presented at the meeting of the American Psychological Association, Washington, DC.
- Stubbs, D. A., Boynton, D. M., Smith, L. D., Dreyfus, L. R., & Fetterman, J. G. (1992). Choice and Transitions of Reinforcement. Paper presented at the meeting of the Psychonomic Society, St. Louis.
- Stubbs, D. A., & Boynton, D. M. (1991). Choices in a Changing Environment: Operant Learning and Foraging. Paper presented at the Maine Biological and Medical Sciences Symposium, Farmington, ME.
- Boynton, D. M., & Rudmann, S. M. (1991). Choice Behavior in Depleting and Refreshing Environments. Paper presented at the Maine Biological and Medical Sciences Symposium, Farmington, ME.

Smith, L. D., Boynton D. M., & Stubbs, D. A. (1990). Intuitive Statistics as Signal Detection: Perceptual Judgments of Sample Differences. Paper presented at the meeting of the American Psychological Association, Boston.

Editorial Activities

Associate Editor of the Journal of Theoretical and Philosophical Psychology, Division 24 of the American Psychological Association, Spring 2007.

Refereed Research Articles:

Behavioral Research Methods, May and August, 2008

Journal of Theoretical and Philosophical Psychology, May, 2006 – May 2008.

Perception and Psychophysics, March, 2006.

Organizational Behavior and Human Decision Processes, February, 2004.

The Journal of Experimental Psychology: Applied, December, 2003.

Organizational Behavior and Human Decision Processes, October, 2001.

The Journal of Mind and Behavior, November, 1994.

Editorial Review of Minium, Bear, & King's *Statistical reasoning for psychology and education* (3rd ed.). Wiley. July, 1999.

Service

Host and Organizer for the Annual Meeting of the *New England Psychological Association*, SMC, to be held Fall 2010.

Educational Technology Committee, SMC, Fall 2009.

Strategic Planning Committee, SMC, Fall 2008 to the present.

Steering Committee for the New England Psychological Association, Fall 2008 to the present.

Faculty Advisor for Psi Chi, SMC, Spring 2002 to the present.

Chair of the Lecture Committee, SMC, Fall 2004 to Spring 2009.

Chair of the Institutional Review Board, SMC, September, Fall 2005 to Spring 2007.

Departmental Search Committee for Professor of Experimental Psychology, SMC, June 2004.

Hosted Robert Whitaker for the Psychology Department's contribution to the St. Michael's College Centennial Celebration, February, 2, 2004.

Departmental Search Committee for Professor of Social Psychology, SMC, December, 2003 and January 2004.

Educational Technology Committee, SMC, Fall 2002 to Spring 2004.

Professional Memberships

Member of the *Association for Psychological Science*, 1998 to the present.

Member of the *Eastern Psychological Association*, 1997 to the present.

Member of the *New England Psychological Association*, 2007 to the present.

Member of *Psi Chi Honors Society*, 2002 to the present.