

## Adam S. Goodie

Curriculum vitae  
(updated May 2006)

Department of Psychology  
University of Georgia  
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Athens, GA 30605  
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### **Academic Positions**

- 2005- Associate Professor of Psychology, University of Georgia, Athens, Georgia
- 2004- Faculty, Biomedical and Health Sciences Institute, University of Georgia, Neuroscience Division
- 2002- Fellow, Institute for Behavioral Research, University of Georgia, Neuroscience Research Group
- 2000- Faculty Fellow, Artificial Intelligence Center, University of Georgia
- 1998- Director, Georgia Decision Lab, University of Georgia
- 1998-2005 Assistant Professor of Psychology, University of Georgia
- 1997-1998 Post-Doctoral Fellow, Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development, Berlin, Germany
- 1997 Post-Doctoral Fellow, Center for Adaptive Behavior and Cognition, Max Planck Institute for Psychological Research, Munich, Germany

### **Education**

- Ph.D.: Psychology, University of California, San Diego, 1997
- M.A.: Psychology, University of California, San Diego, 1993
- A.B.: Psychology, Washington University in St. Louis, 1990
- Junior Year Abroad, Sussex University, Brighton, U.K., 1988-1989

### **Publications**

#### *Refereed articles*

- Goodie, A.S. (2005). The role of perceived control and overconfidence in pathological gambling. *Journal of Gambling Studies*, 21, 481-502.
- Dunwoody, P.T., Goodie, A.S., & Mahan, R.P. (2005). The use of base rate information as a function of experienced consistency. *Theory and Decision*, 59, 307-344.
- Campbell, W.K., Goodie, A.S., & Foster, J.D. (2004). Narcissism, confidence and risk attitude. *Journal of Behavioral Decision Making*, 17, 297-311.
- Schaefer, P.S., Williams, C.C., Goodie, A.S., & Campbell, W.K. (2004). Overconfidence and the Big Five. *Journal of Research in Personality*, 38, 473-480.

- Goodie, A.S., & Crooks, C.L. (2004). Time pressure effects on performance in a base rate task. *Journal of General Psychology, 131*, 18-28.
- Goodie, A.S. (2004). Null hypothesis statistical testing and the balance between positive and negative approaches. *Behavioral and Brain Sciences, 27*, 338.
- Goodie, A.S. (2003). The effects of control on betting: Paradoxical betting on items of high confidence with low value. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 29*, 598-610.
- Goodie, A.S., Williams, C.C., & Crooks, C.L. (2003). Controlling for causally relevant third variables. *Journal of General Psychology, 130*, 415-430.
- Goodie, A.S. (2001). Are scripts or deception necessary when repeated trials are used?: On the social context of psychological experiments. *Behavioral and Brain Sciences, 24*, 412.
- Goodie, A.S., & Fantino, E. (2000). Representing the task in Bayesian reasoning: Comment on Lovett and Schunn (1999). *Journal of Experimental Psychology: General, 129*, 449-452.
- Todd, P.M., Gigerenzer, G., and the ABC Research Group (2000). How can we open up the adaptive toolbox? (Reply to commentaries). *Behavioral and Brain Sciences, 23*, 767-777.
- Goodie, A.S. (2000). The breadth-depth tradeoff: Gains and losses as the unidirectional shift in pavlovian conditioning continues. *Behavioral and Brain Sciences, 23*, 257-258.
- Goodie, A.S., & Williams, C.C. (2000). Some theoretical and practical implications of defining aptitude and reasoning in terms of each other. *Behavioral and Brain Sciences, 23*, 675-676.
- Goodie, A.S., & Fantino, E. (1999). What does and does not alleviate base-rate neglect under direct experience. *Journal of Behavioral Decision Making, 12*, 307-335.
- Goodie, A.S., & Fantino, E. (1999). Base rates versus sample accuracy: Competition for control in human matching to sample. *Journal of the Experimental Analysis of Behavior, 71*, 155-169.
- Case, D.A., Fantino, E., & Goodie, A.S. (1999). Base-rate training without case cues reduces base-rate neglect. *Psychonomic Bulletin and Review, 6*, 319-327.
- Ketelaar, T., & Goodie, A.S. (1998). The satisficing role of emotions in decision-making. *Psykhé, 7*, 63-77.
- Goodie, A.S. (1997). Direct experience is ecologically valid. *Behavioral and Brain Sciences, 20*, 777-778.
- Goodie, A.S., & Fantino, E. (1996). Learning to commit or avoid the base-rate error. *Nature, 380*, 247-249.
- Goodie, A.S., & Fantino, E. (1995). An experientially derived base-rate error in humans. *Psychological Science, 6*, 101-106.
- Goodie, A.S. (1994). A contingency-shaped base-rate error: Conditional and unconditional probabilities in human matching-to-sample. *Experimental Analysis of Human Behavior Bulletin, 12*, 3.

*Book*

Gigerenzer, G., Todd, P.M., & the ABC Research Group (1999). *Simple heuristics that make us smart*. New York: Oxford University Press.

*Book chapter and conference proceedings*

Todd, P.M., and Goodie, A.S. (2002). Testing the ecological rationality of base rate neglect. In *From animals to animats 7: Proceedings of the Seventh International Conference on Simulation of Adaptive Behavior* (pp. 215-223). Cambridge, MA: MIT Press/Bradford Books.

Goodie, A.S., Ortmann, A., Davis, J.N., Bullock, S., & Werner, G.M. (1999). Demons versus heuristics in artificial intelligence, behavioral ecology and economics. In G. Gigerenzer, P.M. Todd, & the ABC Research Group, *Simple heuristics that make us smart* (pp. 327-355). New York: Oxford University Press.

*Other*

Goodie, A.S. (2002). Popularity of JDM textbooks for undergraduate survey courses in psychology: It's Plous, then Hastie & Dawes. *Society for Judgment and Decision Making Newsletter*, 21 (2), 23-24.

Todd, P.M., Miller, G.F., & Goodie, A.S. (1997). Environment structure and adaptive behavior. *Max Planck Institute Annual Report*, 135-136. [also published in German]

Ketelaar, T., & Goodie, A.S. (1997). Emotions and bounded rationality. *Max Planck Institute Annual Report*, 156-157. [also published in German]

Goodie, A.S. (1996). L'errore di frequenza di base esiste, ma si puo sperare [The base-rate error is real, but there is reason for hope]. *Kos*, 131/132, 30-35.

**Manuscripts Under Review**

Goodie, A.S., & Young, D.L. The skill element in risky decision making: Control, competence or both?. Manuscript under review, *Organizational Behavior and Human Decision Processes*.

Camchong, J., Goodie, A.S., McDowell, J.E., & Clementz, B.A. A cognitive neuroscience approach to the role of overconfidence in pathological gambling. Manuscript under review, *Journal of Gambling Studies*.

Lakey, C.E., Goodie, A.S., Campbell, W.K., & Brown, K.W. The role of mindfulness in pathological gambling. Manuscript under review, *Psychology of Addictive Behaviors*.

**Research in Progress**

Goodie, A.S. & Miller, J.D. (2006). Personality, decision making and addictive behaviors. Manuscript in preparation.

Goodie, A.S., & Lakey, C.E. (2006). Lottery playing and gambling-related pathology. Manuscript in preparation.

Campbell, W.K., Lakey, C.E., & Goodie, A.S. (2006). Narcissism, pathological gambling and performance on the GGT and IGT. Manuscript in preparation.

Lakey, C.E., Goodie, A.S., & Campbell, W.K. (2006). Frequent Card Players and Pathological Gambling: Examining the Utility of the Georgia Gambling Task and Iowa Gambling Task for Predicting Pathology. Manuscript in preparation.

Lakey, C.E., Lance, C., Goodie, A.S., Winters, K.C., & Stinchfield, R. (2006). Confirmatory factor analysis of the single-factor structure of the DIGS. Manuscript in preparation.

Young, D.L., & Goodie, A.S. (2006). Paradoxical betting a skill-based task. Manuscript in preparation.

### **Grant Support**

Behavioral and neuroscience studies of risk taking and perceived control (PI), National Institute of Mental Health Grant number 1R01MH067827, \$331,200, 8/15/05-6/30/08.

Mindfulness and level 2 gambling problems (PI), Institute for Research on Pathological Gambling and Related Disorders, \$148,929, 8/1/06-12/31/07. under review.

Interactive Markov Models for Individual Decision Making in Social Settings with Applications to Power Relationships (Co-PI), National Science Foundation, \$376,177, 9/1/06-8/31/09. under review.

The cognitive neuroscience of control and decision making in problem gambling (Co-Investigator), Institute for Research on Pathological Gambling and Related Disorders, \$172,500, 7/1/06-12/31/07. Proposal due May 15, 2006.

Role of control in risk taking and pathological gambling (PI), National Institute of Mental Health Grant number 1R01MH067827-01A2, \$110,400, 7/1/04-8/15/05.

A cognitive neuroscience approach to translational research on risk taking (PI), University of Georgia Research Foundation Faculty Research Grant, \$6,000, 1/1/04-12/31/04.

Feeling of control and risk attitude (PI), University of Georgia Research Foundation Faculty Research Grant, \$4,000, 1/1/02-12/31/02.

A pilot program on intra-campus, large-class distance learning about animals in research: Making the best use of limited-access research facilities (Project Director), University of Georgia Committee for Applied Instructional Technologies Learning Technologies Grant, \$74,000, 1/1/01-6/30/02.

Resolving the paradox of overconfidence and risk aversion (PI), University of Georgia Research Foundation Faculty Research Grant, \$5,800, 1/1/01-12/31/01.

Learning the basis of causal relations (PI), University of Georgia Research Foundation Faculty Research Grant, \$2,400, 1/1/99-12/31/99.

### **Colloquia and Talks**

Risk taking, control and confidence: General effects and gambling. BBDO Atlanta, Atlanta, GA (2006, March).

Control, confidence and risk taking: Basic effects, individual differences and translation to applications. Colloquium, University of Tennessee Department of Psychology, Knoxville, TN (2005, February).

Paradoxical betting under conditions of perceived control: Basic effects, individual differences and translation to applications. Colloquium, George Mason University Department of Psychology, Fairfax, VA (2004, January).

Overconfidence, risk attitude and control: How control affects betting. Yale University Agency in Development Research Group, New Haven, CT (2001, April).

Calibration, risk attitude and control: An integration under a prospect theory framework. University of Maryland Decision Research Group, College Park, MD (2001, March).

Controlling for causally relevant third variables. Duke University Learning and Adaptive Behavior Group, Durham, NC (2000, March).

What to learn and what not to learn when adults make causal judgments. Eunice Kennedy Shriver Center, Center for Developmental Cognitive Neuroscience, Waltham, MA (1999, May).

Faulty decision-making when it matters most?: Base-rate neglect under direct experience. Colloquium, University of Georgia Department of Psychology, Athens, GA (1998, February).

### **National and International Conference Presentations**

Camchong, J., Goodie, A.S., Clementz, B.A., McDowell, J.E., & Gilmore, C. (2005, November). A neuroimaging study of the brain under high and low confidence: The next step in decision. Poster presented at the annual meeting of the Society for Judgment and Decision Making, Toronto, Ontario, Canada.

Goodie, A.S. (2005, August). Invited participation in Decision Behavior Teaching Conference, Ann Arbor, MI.

Goodie, A.S., Camchong, J., Clementz, B.A., McDowell, J.E., Jarrell, H.M., & Tran, A. (2004, November). Neuro-magnetic activity as a function of confidence and accuracy: Early findings in decision neuroscience. Poster presented at the annual meeting of the Society for Judgment and Decision Making, Minneapolis, MN.

Dunwoody, P.T., & Goodie, A.S. (2004, November). Improving Bayesian responses to word problems through direct experience and format. Poster presented at the 45<sup>th</sup> annual meeting of the Psychonomic Society, Minneapolis, MN.

Goodie, A.S. (2004, October). The impact of performance-contingent incentives in the betting-on-knowledge task: Preliminary findings. Poster presented at the Temple University Behavioral Economics Conference: What Works in Behavioral Economics – Practical and Policy Issues, Philadelphia, PA.

Goodie, A.S., Campbell, W.K., & Foster, J.D. (2003, November). The impact of a narcissistic personality on paradoxical betting on confidence. Poster presented at the annual meeting of the Society for Judgment and Decision Making, Vancouver, BC, Canada.

Dunwoody, P.T., Goodie, A.S., & Mahan, R.P. (2003, November). A Brunswikian look at classic base rate neglect. Paper presented at the 19<sup>th</sup> annual meeting of the Brunswik Society, Vancouver, BC, Canada.

Goodie, A.S. (2003, July). Informed consent in the context of psychology research participant pools and APA requirements. Paper presented at "Protecting Human Subjects in the 21<sup>st</sup> Century: Issues in Social and Behavioral Research." National conference on human subjects, Athens, GA.

Goodie, A.S. (2002, November). Experimental manipulations of control: People bet more on knowledge than on matched random events. Poster presented at the annual meeting of the Society for Judgment and Decision Making, Kansas City, MO.

Todd, P.M., & Goodie, A.S. (2002, September). Testing the ecological rationality of base-rate neglect. Paper presented at the 7<sup>th</sup> International Conference on Simulation of Adaptive Behavior, Edinburgh, U.K.

- Goodie, A.S. (2001, November). Paradoxical betting on items of high confidence with low value: The effects of control on betting. Paper presented at the annual meeting of the Society for Judgment and Decision Making, Orlando, FL.
- Goodie, A.S., & Williams, C.C. (2000, November). Resolving the paradox between overconfidence and risk aversion. Poster presented at the annual meeting of the Society for Judgment and Decision Making, New Orleans, LA.
- Crooks, C.L., Williams, C.C., & Goodie, A.S. (2000, November). The roles of personal need for structure and time pressure on decision making. Poster presented at the annual meeting of the Society for Judgment and Decision Making, New Orleans, LA.
- Williams, C.C., & Goodie, A.S. (2000, November). Individual differences in risk and overconfidence. Poster presented at the annual meeting of the Society for Judgment and Decision Making, New Orleans, LA.
- Goodie, A. (2000, November). Chair, Partition dependence, desire for information and violation of imagery theory's compatibility test. Paper session, annual meeting of the Society for Judgment and Decision Making, New Orleans, LA.
- Goodie, A.S., Crooks, C.L., & Williams, C.C. (2000, May). Variables affecting learning of causal relations in a variable-ratio environment. Poster presented at the 26<sup>th</sup> annual convention of the Association for Behavior Analysis, Washington, DC.
- Williams, C.C., Crooks, C.L., & Goodie, A.S. (2000, May). Conditioning on a third variable in causal assessment. Poster presented at the 26<sup>th</sup> annual convention of the Association for Behavior Analysis, Washington, DC.
- Goodie, A.S. (1999, November). The bounds of conditionalizing in causal judgment. Paper presented at the annual meeting of the Society for Judgment and Decision Making, Los Angeles, CA.
- Goodie, A.S., & Todd, P.M. (1998, November). "Nothing endures but change": Why base-rate neglect might not be irrational after all. Poster presented at the annual meeting of the Society for Judgment and Decision Making, Dallas, TX.
- Goodie, A.S., & Todd, P.M. (1998, May). The rationality of base-rate neglect. Poster presented at the 10<sup>th</sup> annual convention of the American Psychological Society, Washington, DC.
- Goodie, A.S. (1998, May). Behavior analysis and Bayesian integration. Paper presented at the 24<sup>th</sup> annual convention of the Association for Behavior Analysis, Orlando, FL.
- Goodie, A.S. (1997, May). Super-extended training and the direct-symbolic effect in a matching-to-sample task. Poster presented at the 23<sup>rd</sup> annual convention of the Association for Behavior Analysis, Chicago, IL.
- Goodie, A.S., & Bell, M.C. (1997, May). If psychological affiliation is shaped by its consequences, then why is anyone still a behaviorist?: A survey of job prospects 1991-1996. Poster presented at the 23<sup>rd</sup> annual convention of the Association for Behavior Analysis, Chicago, IL.
- Goodie, A.S. (1996, May). The learned base-rate error: A behavior-analytic approach to a phenomenon normally studied by cognitivists. Paper presented at the 22<sup>nd</sup> annual convention of the Association for Behavior Analysis, San Francisco, CA.
- Goodie, A.S., & Fantino, E. (1995, May). Delay-reduction accounts of the effects of probabilistic reinforcement on choice. Poster presented at the 21<sup>st</sup> annual convention of the Association for Behavior Analysis, Washington, DC.

Goodie, A.S. (1994, May). The base-rate error in an experiential task: Conditional and unconditional probabilities in human matching-to-sample. Paper presented at the 20<sup>th</sup> annual convention of the Association for Behavior Analysis, Atlanta, GA.

Goodie, A. (1994, May). An experience-based base-rate error. Paper presented at the 20<sup>th</sup> annual convention of the Association for Behavior Analysis, Atlanta, GA.

### **Selected Regional and Local Presentations**

Young, D.L., McDeermond, R., Stanaland, J., & Goodie, A.S. (2006). The effects of skill on betting. Paper presented at the 29<sup>th</sup> Annual Convention of the Behavioral Sciences, Athens, GA.

Goodie, A.S., & Preston, E. (2002, April). Psychology, philosophy, and embedded AI. Presentation at the First Annual University of Georgia Workshop on Practical Applications of Artificial Intelligence, Athens, GA.

Williams, C.C., & Goodie A.S. (2001, February). Individual differences in information processing style and overconfidence. Paper presented at the 24<sup>th</sup> Annual Convention of the Behavioral Sciences, Athens, GA. [winner, Psi Chi Best Graduate Student Presentation award]

### **Research Interests**

Judgment and decision making

Gambling behavior and problem gambling

Decision neuroscience

Control and risk attitude

Individual differences in judgment and decision making

Bayesian choice and base-rate neglect

### **Teaching**

Courses taught, University of Georgia

1998-

#### *Graduate Courses*

PSYC 8000/8240 Judgment and Decision Making

PSYC 6520/6110 Basic Learning Processes

#### *Undergraduate Courses*

PSYC 5100 Seminar in Psychology – Judgment and Decision Making

PSYC 1101 Elementary Psychology

PSYC 4110 Learning (with lab)

PSYC 1030H General Psychology (Honors)

PSYC 4800/4850 Special Problems/Directed Readings

FRES 1010/1020 Freshman/First Year Seminar

Graduate/research supervision, University of Georgia

Supervised 1 Master's thesis

Cristina C. Williams, *Individual Differences in Thinking Styles and Overconfidence*

Served as major professor for 4 graduate students

Served on 21 Doctoral Advisory Committees

Served on 8 Master's Advisory Committees

Supervised 75 undergraduate research projects

## **Honors**

Washington University National Merit Scholar, 1986-1990  
Washington University College Honors, 1990  
National Science Foundation Graduate Fellowship Honorable Mention, 1993  
Association for Behavior Analysis Experimental Analysis of Human Behavior Special Interest  
Group student paper competition winner, 1994 and 1998

## **Professional Activities**

Membership in Professional Organizations  
Society for Judgment and Decision Making  
National Council on Problem Gambling  
American Psychological Association  
Association for Psychological Science  
Psychonomic Society

Psychology Department, University of Georgia  
Chair, Cognitive Psychology faculty search committee 2005-2006  
Originated and coordinated colloquium series 2000-2002  
Member, Cognitive Psychology faculty search committee 2000-2001 (2 positions)  
Judge for various departmental awards  
Occasional proxy to University Council, Faculty Senate and Graduate Council

Artificial Intelligence Center, University of Georgia  
Cognitive Science Curriculum Committee

Franklin College of Liberal Arts and Sciences, University of Georgia  
Minority undergraduate recruitment faculty call-out  
Freshman/First Year Seminar instructor  
Faculty Associate, Franklin College Outreach Program

University of Georgia  
Institutional Review Board (occasional Presiding Officer)  
Philosophy Department faculty search committee 2004-2005

### Reviewer

*Journals: Nature; Behavioral and Brain Sciences; Psychological Review; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Learning, Memory, and Cognition; Memory & Cognition; Journal of Behavioral Decision Making; Journal of Gambling Studies; Journal of the Experimental Analysis of Behavior; Experimental Psychology; International Journal of Psychology; Health Education Research*

Funding Agency: National Science Foundation

Book Publishers: Prentice Hall, Wadsworth Publishing, Allyn & Bacon

### Professional Service

Participant, 13<sup>th</sup> Annual APA Science Advocacy Training Workshop, "Enhancing Support of Basic Research," Washington, D.C., 2005

Student Poster Committee, Society for Judgment and Decision Making

Paper reviewer, Association for Consumer Research Asia Pacific Conference, China

Research featured in

*Psychology Today, Research Magazine, The University of Georgia Columns, The Independent Variable* (newsletter of the Institute for Behavioral Research of the University of Georgia), *The Red & Black* (student newspaper of the University of Georgia), cosmiverse.com, eurekaalert.org, Mindful-Things.com, Mozon.no (Norwegian science site), ProfNet.com, PsychMinded.co.uk (British psychology site), socialpsychology.org

Expert source

*Psychology Today, The Wall Street Journal, The Christian Science Monitor, The Dallas Morning News, Metro Philadelphia, The Orlando Sentinel, The St. Paul Pioneer Press, The Atlanta Journal-Constitution, The Tulsa World, The Omaha World Tribune, The Athens Banner-Herald, The Red & Black*