JEFFREY ANNIS
Curriculum Vitae

Contact Information:

Vanderbilt University   tel: (615) 322 8768
Department of Psychology   email: jeff.annis@vanderbilt.edu
Wilson Hall
111 21st Avenue South
Nashville, TN 37240

Education:

2008   B.A., Psychology, University of South Florida

2011   M.A., Psychology, University of South Florida

2014   Ph.D., Cognitive Psychology, University of South Florida

Publications:

Evans, N. J. & Annis, J. (in preparation). Thermodynamic integration with differential evolution: A method for estimating Bayes factors (working title). *Manuscript in preparation*.

Annis, J. & Palmeri, T. J. (in preparation). Modeling memory dynamics in visual expertise (working title). *Manuscript in preparation*.

Annis, J., Tillman, G., & Palmeri, T. J. (in preparation). Thinking in high-dimensional spaces (working title). *Manuscript in preparation*.

Boehm, U., Annis J., Frank, M. J., Hawkins, G. E., Heathcote, A. … Wagenmakers, E-J. (submitted). Estimating Between-Trial Variability Parameters of the Drift Diffusion Model: Expert Advice and Recommendations. *Journal of Mathematical Psychology*.

Annis, J., Evans, N. J., Miller, B. J., & Palmeri, T. J. (submitted). Thermodynamic integration and steppingstone sampling methods for estimating Bayes factors: A tutorial for psychologists. *Journal of Mathematical Psychology*.

Annis, J. & Palmeri, T.J. (in press). Bayesian statistical approaches to evaluating cognitive models. *Wiley Interdisciplinary Reviews: Cognitive Science*.

Dutilh, G., Annis, J., Brown, S., Cassey, P., Evans, N. J., Grasman, R. P. P. P. … Donkin, C. (in press). The quality of response time data inference: A blinded, collaborative assessment of the validity of cognitive models. *Psychonomic Bulletin & Review*.

Annis, J., Dube, C., & Malmberg, K. J. (2018). A Bayesian approach to discriminating between biased responding and sequential dependencies in binary choice data. *Decision, 5*(1), 16-41.

Annis, J., Miller, B. J., & Palmeri, T. J. (2017). Bayesian inference with Stan: A tutorial on adding custom distributions. *Behavior Research Methods*, *49*(3), 863-886.

Annis, J., Lenes, J. G., Westfall, H. A., Criss, A. H., & Malmberg, K. J. (2015). The list-length effect does not discriminate between models of recognition memory. *Journal of Memory and Language*, *85*, 27-41.

Malmberg, K. J., Lehman, M., Annis, J., Criss, A. H., & Shiffrin, R. M. (2014). Consequences of testing memory. In B. H. Ross (Ed.), *Psychology of Learning and Motivation*.

Annis, J. & Malmberg, K. J. (2013). A model of sequential dependencies in judgments of frequency. *Journal of Mathematical Psychology*, *57*(5), 225-236.

Annis, J., Malmberg, K, J., Criss, A. H., & Shiffrin, R.M. (2013). Sources of interference in recognition memory testing. *Journal of Experimental Psychology*: *Learning, Memory, & Cognition*, *39*(5), 1365-1376.

Malmberg, K. J. & Annis, J. (2012). On the relationship between memory and perception: Sequential dependencies in recognition memory testing**.** *Journal of Experimental Psychology: General*, *141*(2), 233-259.

Talks Presented:

Annis, J., & Palmeri, T. J. (2016). Modeling memory dynamics in visual expertise. *Perceptual Expertise Network XXXII Workshop*. Nashville, TN.

Annis, J., Lenes, J. G., Westfall, H. A., Criss, A. H., & Malmberg, K. J. (2015). The list-length effect does not discriminate between models of recognition memory. *56th Annual Meeting of the Psychonomic Society*. Chicago, IL.

Malmberg, K. J., Annis, J., Dube, C., Erb, K. (2015). Reductions in sequential dependencies in recognition testing. *56th Annual Meeting of the Psychonomic Society*. Chicago, IL.

Annis. J. (2014). Sequential dependencies in recognition memory. *Invited talk, February 21*. Department of Psychology, Vanderbilt University.

Annis, J. (2014). Sequential dependencies in recognition memory. *Invited talk, March 11,* Department of Psychology, Syracuse University.

Annis, J. & Malmberg, K. J. (2013). A model of episodic similarity and sequential dependencies in recognition memory. *46th Annual Meeting of the Society for Mathematical Psychology*.

Potsdam, Germany.

Annis, J. & Malmberg, K. J. (2013). Overcoming sequential dependencies in recognition memory. *12th Annual Summer Interdisciplinary Conference*. Cortina d'Ampezzo, Italy.

Annis, J. & Malmberg, K. J. (2011). Modeling the effect of item similarity on sequential dependencies in recognition testing. *44th Annual Meeting of the Society for Mathematical Psychology.* Medford, MA.

Posters Presented:

Annis, J., & Palmeri, T. J. (2016). Modeling memory dynamics in visual expertise. *57th Annual Meeting of the Psychonomic Society*. Boston, MA.

Annis, J., Dube, C., & Malmberg, K. J. (2015). A Bayesian approach to discriminating between biased responding and sequential dependencies in binary choice data. *56th Annual Meeting of the Psychonomic Society*. Chicago, IL.

Shen, J., Annis, J., & Palmeri, T.J. (2015). Modeling the dynamics of visual object categorization. *Vision Sciences Society meeting*, St. Petersburg, FL.

Annis, J. & Malmberg, K. J. (2013). A model of positive sequential dependencies in judgments of frequency. *53rd Annual Meeting of the Psychonomic Society*. Toronto, CA.

Grant Activity:

Selected for a competitive slot on the Vanderbilt Vision Research Center NIH-T32 Training Grant: 2016-2017

Selected for a competitive slot on the Vanderbilt Vision Research Center NIH-T32 Training Grant: 2017-2018

National Research Service Award (NRSA) Postdoctoral Fellowship, National Eye Institute (not funded)

Awards Received:

2011 Mathematical Psychology Annual Conference Travel Award, $200

2016 Mathematical Psychology Annual Conference Travel Award, $1000

Editorial Service:

Ad Hoc Journal Reviewer, Journal of Mathematical Psychology

Ad Hoc Journal Reviewer, Memory and Cognition

Ad Hoc Journal Reviewer, Memory

Ad Hoc Journal Reviewer, Behavior Research Methods

Teaching Experience:

Instructor, Cognitive Psychology, Fall 2012, Spring 2013, Summer 2013

Instructor, Research Methods, Fall 2013, Spring 2014, Summer 2014

Lab Instructor, Intro to Psychology

Lab Instructor, Psychological Statistics

Lab Instructor, Research Methods