

WILL WHITHAM

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RESEARCH INTEREST

Humans perceive and adaptively use probabilistic information in a variety of ways. I am interested in using a blend of statistical learning and procedural learning paradigms to better understand the cognitive mechanisms through which we intuitively understand probabilistic information. This approach is complemented by study of nonhuman animals, that demonstrate adept rule- and pattern- learning abilities, and human children, who have these abilities and many others come online throughout childhood.

EDUCATION

Georgia State University PhD Student with Dr. David Washburn Department of Psychology - Cognitive Sciences Program	Fall 2017 - Present
Georgia State University MA in Psychology with Dr. David Washburn	Fall 2014 - Fall 2017
University of Alabama BA in Psychology Minors in Evolutionary Studies and English Undergraduate Honors Thesis defended with Dr. Beverly Roskos Undergraduate Research Assistant with Dr. Martin Sellbom	Fall 2010 - Spring 2014

RELEVANT COURSES

Cognitive Psychology	Brain Imaging in Psychology
Animal Behavior	Physical Anthropology
Psychology of Learning	Primate and Human Consciousness
Statistics in Behavioral Science	Language and the Brain
History of Psychology	Principles of Biological Evolution
Philosophy of Science	Philosophy of Cognitive Sciences

MASTER'S THESIS

Randomness and Structure to Humans and Rhesus Macaques

Defended Summer 2017 under David A. Washburn (Chair), Michael J. Beran, and Christopher M. Conway

UNDERGRADUATE HONORS THESIS

Wayfinding in Urban and Non-Urban Environments

Defended Spring 2014 under Beverly Roskos (Chair) and Edward Merrill

PEER REVIEWED PUBLICATIONS

- 2016 Beran, M. J., Perdue, B. M., Rossette, M. S., James, B. T., **Whitham, W.**, Walker, B., & Parrish, A. E. (2016). Self-control assessments of capuchin monkeys with the rotating tray task and the accumulation task. *Behavioural Processes*, 129, 68-79.
- 2016 Beran, M. J., James, B. T., **Whitham, W.**, & Parrish, A. E. (2016). Chimpanzees can point to smaller amounts of food to accumulate larger amounts but they still fail the reverse-reward contingency task. *Journal of Experimental Psychology: Animal Learning and Cognition*. 42, 347-358.

BOOK CHAPTERS

- 2017 **Whitham, W.**, Beran, M. J., Menzel, C. R., & Washburn, D. A. (2017). Sarah, Lana, Sherman, and Austin. In *Encyclopedia of Animal Cognition and Behavior*. Cham, Switzerland: Springer.
- 2017 **Whitham, W.** & Washburn, D. A. (2017). A history of animal personality research. In *Personality in Nonhuman Animals*. (pp. 3-16). Cham, Switzerland: Springer.
- 2017 Washburn, D. A., Salamanca, J. A., Callery, R. C., & **Whitham, W.** (2017). Tools for measuring animal cognition: T-mazes to touchscreens. In *APA Handbook of Comparative Psychology* (pp. 115-132). Washington D. C.: American Psychological Association

ORAL PRESENTATIONS

- 2016 **Whitham, W.**, Beran, M. J., Conway, C. M., James, B. T., Parrish, A. E., & Washburn, D. A. (2016, November). Statistical regularities and quantity judgments in humans and rhesus monkeys. Oral presentation at the Fall meeting of the Comparative Cognition Society, Boston, MA.
- 2016 Beran, M. J., Kelly, A. J., Perdue, B. M., **Whitham, W.**, Love, M., Luk, P., Kelly, V., & Parrish, A. E. (2016, November). Divide and conquer: Preschool children assign the hardest task to a helper. Oral presentation at the 57th annual meeting of the Psychonomic society, Boston, MA.

- 2016 Beran, M. J., James, B. T., **Whitham, W.**, & Parrish, A. E. (2016, April). Chimpanzees can point to small amounts of food to accumulate larger amounts: Reversing the reverse-reward contingency error? Oral presentation at the 23rd annual international Conference on Comparative Cognition, Melbourne, FL.
- 2016 **Whitham, W.** & Washburn, D. A. (2016, March). A 'later-destination attractor' bias in humans and rhesus macaques (*Macaca mulatta*). Oral presentation at the annual meeting of the Southern Society of Philosophy and Psychology, Louisville, KY.
- 2015 **Whitham, W.**, Salamanca, J. A., Conway, C., & Washburn, D.A. (2015, April). Learning of statistical grammars in sequences by rhesus macaques (*Macaca mulatta*) and humans. Conference presentation at the annual meeting of the Southern Society of Philosophy and Psychology, New Orleans, LA.

POSTER PRESENTATIONS

- 2017 **Whitham, W.**, Salamanca, J. A., & Washburn, D. A. (2017, August). Individual differences in attention in different individuals. Poster presentation at 125th annual American Psychological Association Annual Convention, Washington, D. C.
- 2017 **Whitham, W.** & Washburn, D. A. (2017, April). Farmer's almacaque: How do monkeys solve the weather prediction task?. Poster presentation at the 24th annual international Conference on Comparative Cognition, Melbourne, FL.
- 2017 **Whitham, W.** & Washburn, D. A. (2017, March). Choosing randomness and non-randomness. Poster presentation at the 63rd annual meeting of the Southeastern Psychological Association, Atlanta, GA.
- 2017 Kelly, V., Parrish, A., Kelly, A. J., Perdue, B. M., Love, M., **Whitham, W.**, Luk., P. Y., & Beran, M. (2017, March). Prospective memory in children during computerized maze performance. Poster presentation at the 63rd annual meeting of the Southeastern Psychological Association, Atlanta, GA.
- 2017 James, B., **Whitham, W.**, Parrish, A., & Beran, M. (2017, March). Performance during the reverse-reward task by preschool-aged children. Poster presentation at the 63rd annual meeting of the Southeastern Psychological Association, Atlanta, GA.
- 2016 **Whitham, W.** & Washburn, D. A. (2016, November). Minding the details: Use of mind-mapping software to teach psychology and probability. Poster presentation at the 46th annual meeting of the Society for Computers in Psychology, Boston, MA.
- 2016 **Whitham, W.**, Beran, M. J., Conway, C. M., James, B. T., Parrish, A. E., & Washburn, D. A. (2016, November). Statistical regularities and quantity judgments in humans and rhesus monkeys. Poster presentation at the 57th annual meeting of the Psychonomic society, Boston, MA.
- 2016 Parrish, A. E., Kelly, A. J., Perdue, B., Love, M., **Whitham, W.**, Luk, P. Y., Kelly, V., & Beran, M. J. (2016, November). Remembering for later: Exploring prospective memory development in preschool children. Poster presentation at the 57th annual meeting of the Psychonomic society, Boston, MA.
- 2016 **Whitham, W.** & Washburn, D. A. (2016, April). A 'later-destination attractor' bias in humans and rhesus macaques (*Macaca mulatta*). Poster presentation at the 23rd annual international Conference on Comparative Cognition, Melbourne, FL.
- 2015 Roskos, B., **Whitham, W.**, & Steele, S. (2015, November). Wayfinding in urban and non-urban environments. Poster presentation at the 56th annual meeting of the Psychonomic Society, Chicago, IL.

STUDENT POSTER PRESENTATIONS

- 2015 Signiski, G., **Whitham, W.**, Conway, C., & Washburn, D. A. (2015, October). Implicit learning in humans and rhesus macaques (*Macaca mulatta*). Poster presentation at the 15th annual Georgia State University Psychology Undergraduate Research Conference, Atlanta, GA.
- 2014 **Whitham, W.** & Roskos, B. (2014, April). Wayfinding in urban and non-urban environments. Poster presentation at the 7th annual University of Alabama Undergraduate Research and Creative Activity Conference, Tuscaloosa, AL.

TEACHING EXPERIENCE

Teaching Assistant

2017	Advanced Research Design and Analysis	Georgia St Univ	Dr. Sara Bowman
2017	Advanced Research Design and Analysis	Georgia St Univ	Dr. Olga Remick
2017	Advanced Research Design and Analysis	Georgia St Univ	Dr. Kristin Atchison
2016	Introduction to Psychology	Georgia St Univ	Dr. Tim Flemming
2016	Intro to Research Design and Analysis	Georgia St Univ	Dr. Mary Crowe-Taylor
2016	History of Psychology	Georgia St Univ	Dr. David Washburn
2016	Introduction to Psychology	Georgia St Univ	Dr. Kristy Sorenson
2015	Drugs and Behavior	Georgia St Univ	Dr. Rachel Kelly
2015	Introduction to Psychology	Georgia St Univ	Dr. Peter Powell
2014	Drugs and Behavior	Georgia St Univ	Dr. Joseph Normandin

Guest Lecturer

2016	Introduction to Psychology	Georgia St Univ	Dr. Kristy Sorenson
2015	Animal Minds	Georgia St Univ	Dr. David Washburn
2015	Careers in Psychology	Georgia St Univ	Dr. Deborah Garfin

SERVICE

- 2016 -2017 Newsletter editor, Society for Experimental Psychology and Cognitive Science/APA Division 3
- 2016 Poster and Presentation Judge, SAEOPP McNair National Scholars Research Conference
- 2013 -2014 Student-Faculty Liaison, Psi Chi, The University of Alabama
- 2012 -2014 Undergraduate Academic Advisor, The University of Alabama, Department of Psychology

HONORS

- 2016 Graduate student travel award, Southern Society for Philosophy and Psychology
- 2015 Bailey M. Wade Fellowship, Georgia State University, Department of Psychology