

JESSIE-RAYE BAUER, M.A.

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EDUCATION

- 2018 Ph.D., Developmental Psychology (Expected)
Concentration in Applied Statistical Modeling
The University of Texas at Austin, Austin, TX
Advisor: Amy E. Booth, Ph.D.
- 2015 M.A., Psychology: Cognitive Neuroscience
The University of Texas at Austin, Austin, TX
Thesis: “Consistent performance differences despite manipulation of cue switching variables in children and adults.”
- 2011 B.S., Cognitive Science with a Specialization in Neuroscience
Minor in Philosophy
University of California at San Diego, La Jolla, CA

RELEVANT COURSEWORK

Advanced Statistics: Inferential (PSY384M)	Advanced Applied Statistics II (PSY394T)
Data Analysis with R (PSY184R)	Structural Equation Modeling (PSY394T)
Regression Analysis (PSY394T)	Statistical Methods II (SDS380D)
Advanced Applied Statistics I (PSY394T)	

UT Austin Summer Statistics Institute, Austin, TX

Summer 2014 Multivariate Data Analysis Using R
Summer 2015 Introduction to Bayesian Statistics
Summer 2016 Making Sense of Multivariate Data: Principal Component Analysis, Factor Analysis, and Clustering

RELEVANT SKILLS

R, REDCap Data Management (5 years+)
Python, shell scripting, GameMaker Studio (2 years)
SQL, Ruby, C/C++, SAS, MPLUS (<1 year)
Expert in experimental design, statistical analysis, and data visualization (‘ggplot’, ‘matplotlib’)

PUBLICATIONS

Peer-Reviewed Journal Articles

Bauer, J.R., Martinez, J.E., Roe, M.A. & Church, J.A. (2017). Consistent Performance Differences between Children and Adults Despite Manipulation of Cue-Target Variables. *Front. Psychol.* 8:1304. doi: 10.3389/fpsyg.2017.01304

Bauer, J.R., Booth, A.E., & McGroarty-Torres, K. (2016). Causally-Rich Group Play: A Powerful Context for Building Preschoolers' Vocabulary. *Front. Psychol*(7), 997. doi: 10.3389/fpsyg.2016.00997

Revise and Resubmit

Bauer, J.R., & Booth, A.E. (Revise and Resubmit at Early Childhood research Quarterly). Exploring the cognitive foundations of scientific literacy in preschoolers: Causal reasoning and executive function.

Under Review

Martinez, J.E., Mack, M.L., **Bauer, J.R.**, Roe, M.A., & Church, J.A. (Under Review). A developmental study of selective attention and working memory during task switching. (Pre-print available here: <https://psyarxiv.com/d65jc>)

In Preparation

Bauer, J.R., Shavlik, M., & Booth, A.E. (In Prep.). Children's preference for causal information in storybooks.

Bauer, J.R. & Booth, A.E. (In Prep.). Test-retest reliability of the blinket detector task.

CONFERENCE PRESENTATIONS

* = Mentored undergraduate student

Bauer, J.R. & Booth, A.E. (April, 2017). *Exploring the Cognitive Fundamentals of Preschooler's Early Causal Reasoning*. Poster presented at the Society for Research in Child Development, Austin, TX. doi: 10.13140/RG.2.2.12477.77281

Zheng, A., *Hernandez A.M., **Bauer, J.R.**, Larsen M., Church-Lang, J.A. (April 2017). *Cued Task Switching Performance in Children With and Without an ADHD Diagnosis*. Poster presented at the Society for Research in Child Development, Austin, TX.

*Antinori, E., **Bauer, J.R.**, & Booth, A.E. (April, 2017). *Developing an early interest in science scale to be used with children*. Poster presented at the UT Austin Undergraduate Research Week Poster Session, Austin, TX.

*Green, D., **Bauer, J.R.**, & Booth, A.E. (April, 2017). *Exploring The Relationship Between Preschoolers' Preference for Causal Information and Degree of Systemizing Mindset*. Poster presented at the UT Austin Psychology Departmental Honors Program Poster Session, Austin, TX.

Bauer, J.R. & Booth, A.E. (Nov., 2016). *Exploring the Nature of Early Causal Reasoning Skills*. Poster presented at the Counterfactual Reasoning Workshop, Toronto, Canada.

Bauer, J.R., Booth, A.E. & Legare, C.H. (Aug., 2016). *Exploring Individual Differences in Preschooler's Causal Reasoning Skills in the Physical and Digital Domains*. Poster presented at the Cognitive Science Society Conference, Philadelphia, PA. doi: 10.13140/RG.2.2.35600.92164

- Bauer, J.R.**, Booth, A.E. & Legare, C.H. (June, 2016). *Exploring the stability of individual differences in preschooler's causal reasoning skills*. Poster presented at the Society for Philosophy and Psychology Conference, Austin, TX.
- *Hernandez, A.M., **Bauer, J.R.**, Martinez, J.E., Roe, M.A., & Church-Lang, J.A. (April, 2016). *Task Switching Manipulations in Children with Attention Deficit Hyperactivity Disorder*. Poster presented at the UT Austin Honors Thesis Poster Session, Austin, TX.
- Bauer, J.R.**, Brown, K.K., & Booth, A.E. (Oct., 2015). *Exploring the Mutual Exclusivity Assumption in Different Types of Bilingual Children*. Poster presented at the Child Development Society Conference, Columbus, OH.
- Martinez, J.E., **Bauer, J.R.**, Roe, M.A., & Church-Lang, J.A. (March, 2015). *Exploration of stimulus-level similarity effects in a cued task-switching paradigm*. Poster presented at the Society for Research in Child Development (SRCD), Philadelphia, PA.
- Bauer, J.R.**, Martinez, J.E., Roe, M.A., & Church-Lang, J.A. (Nov., 2014). *Manipulation of cue switching variables in children and adults*. Poster presented at the Society For Neuroscience 44th Annual Meeting, Washington D.C.
- Chukoskie, L., Mullen, T., **Bodenhamer, J. R.**, Brocklehurst, W. T., Lam C., Wedeen, M., Townsend, J., & Westerfield, M.A. (Oct., 2012). *Characterizing network interactions in EEG sources during saccade tasks*. Poster presented at Society For Neuroscience 42nd Annual Meeting, New Orleans, LA.

INVITED TALKS

- Bauer, J.R. (2017, February). *The Cognitive Foundations of Early Scientific Literacy*. Developmental Psychology Area Meeting, University of Texas at Austin.
- Bauer, J.R. (2017, March). *Self-Control and Success*. Introduction to Child Psychology, University of Texas at Austin.
- Bauer, J.R. (2016, April). *Foundations of Early Causal Reasoning*. Cognitive Science Area Meeting, University of Texas at Austin.
- Bauer, J.R. (2016, April). *Self-Control*. Introduction to Child Psychology, University of Texas at Austin.
- Bauer, J.R. (2016, March). *Executive Function*. Introduction to Child Psychology, University of Texas at Austin.
- Bauer, J.R. (2014, May). *Manipulation of cue switching variables in children and adults*. Cognitive Neuroscience Area Meeting, University of Texas at Austin.
- Bauer, J.R.**, J.E. Martinez, M.A. Roe, J.A. Church (2014, October). *Manipulation of cue switching variables in children and adults*. Presentation at FLUX Conference 2nd Annual Meeting, Hollywood, CA.

HONORS AND AWARDS

2018	Graduate School Dissertation Writing Fellowship, University of Texas at Austin
2017	Intellectual Entrepreneurship Travel Award, University of Texas at Austin
2017	Professional Development Award, University of Texas at Austin
2016	Debra Lobliner Research Fellowship Award, University of Texas at Austin
2016	Student Travel Award, Counterfactual Reasoning Workshop, Toronto, Canada
2016	Professional Development Award, University of Texas at Austin
2015	Professional Development Award, University of Texas at Austin
2014	Professional Development Award, University of Texas at Austin
2007–2011	Athletic Director's Honor Roll, University of California at San Diego
2007-2008	Earl Warren College Honors Program, University of California at San Diego

TEACHING EXPERIENCE

Courses Taught

Summer 2017	Instructor , Introduction to Child Psychology (PSY304), Department of Psychology, The University of Texas at Austin
Fall 2015	Lab Instructor , Statistics and Research Design (PSY418), with Dr. Patrick Carroll, Department of Psychology, The University of Texas at Austin

Teaching Certifications

Spring 2015	Supervised Teaching In Psychology, The University of Texas at Austin
Spring 2014	Ethics in Psychology, The University of Texas at Austin

Teaching Assistant Positions

Spring 2017	Introduction to Child Development (PSY333D), with Dr. Amy E. Booth, Department of Psychology, The University of Texas at Austin
Summer 2015	Introduction to Developmental Psychology (PSY333D), with Dr. Lorretta Reeves, Department of Psychology, The University of Texas at Austin
Spring 2015	Introduction to Cognitive Psychology, (PSY305), with Dr. Lorretta Reeves, Department of Psychology, The University of Texas at Austin
Fall 2014	Introduction to Cognitive Psychology (PSY305), with Dr. Patrick Carroll, Department of Psychology, The University of Texas at Austin
Summer 2014	Teaching Assistant, Introduction to Psychology (PSY301), with Dr. Juan Salinas, Department of Psychology, The University of Texas at Austin
Spring 2014	Teaching Assistant, Introduction to Child Psychology (PSY304), with Dr. Jessica Church-Lang, Department of Psychology, The University of Texas at Austin
Fall 2013	Teaching Assistant, Honors Thesis Research II (PSY379H), with Dr. Arthur B. Markman, Department of Psychology, The University of Texas at Austin

TEACHING STATEMENT

I am particularly interested in introducing students to the field of child psychology while also challenging them to consider how development interacts with socioeconomic, genetic and cultural factors. I value interactive discussion-based lectures, and have experience applying this style of teaching in both large lectures and smaller lab section formats. I am also invested in teaching courses with a writing or research component, as I believe they provide students with an opportunity to exercise critical thinking and sharpen skills that can be applied in future coursework and the workforce.

ADVISING AND MENTORSHIP

Graduate Mentor, Intellectual Entrepreneurship Pre-Graduate School Internship Program,
Moody College of Communication, The University of Texas at Austin

Interns Mentored

2017 Esttivalis Antinori

2016 Danielle Green

2015 Alyssa Hernandez

Graduate Mentor, The Summer Undergraduate Research Experience (SURE) Program,
Department of Psychology, The University of Texas at Austin

Interns Mentored

2016 Laura Flores

UNIVERSITY SERVICE AND ACTIVITIES

2016-current	Member , Graduate Student Diversity Committee, Department of Psychology, The University of Texas at Austin.
2013-2017	Volunteer , University of Texas at Austin Outreach Program, Austin, TX.
2015	Standardized Test Administrator , Meadows Center for Educational Risk, Austin, TX.
2015	Graduate Research Assistant , Allen Lab, Department of Educational Psychology, University of Texas at Austin.
2009-2011	Member , Cognitive Science Student Association, University of California at San Diego, La Jolla, CA.