

Jackson S. Colvett, Ph.D

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Positions Held

Berry College, Mt Berry, GA
Assistant Professor of Psychology, August 2023-Present

Education

Wake Forest University, Winston-Salem, NC, August 2013 - May 2017
Bachelor of Arts in Psychology, minor in Neuroscience
Departmental Honors in Psychology,

Thesis: An Investigation of the Relationship between Voluntary Task Switching and Media Multitasking

Washington University in Saint Louis, Saint Louis, MO August 2017 – May 2023
Graduate Student in Psychological and Brain Science. Area of focus: Brain, Behavior, and Cognition
Advisor: Julie M. Bugg

Master of Arts in Psychological and Brain Sciences
Thesis: The Unique Effects of Relatively Recent Conflict on Cognitive Control

PhD in Psychological and Brain Sciences
Dissertation: Putting Attentional Control on the Map: An Investigation of Meaningful Boundaries and Context-Specific Control

Publications

Colvett, J.S., Weidler, B.J. & Bugg, J.M. (2023). Revealing object-based cognitive control in a moving object paradigm. *Journal of Experimental Psychology: Human Perception and Performance* (Accepted for Publication)

McLaughlin, D. J., **Colvett, J.S.**, Bugg, J.M., & Van Engen, K.J. (2023). Sequence effects and speech perception: Cognitive load for speaker-switching within and across accents. *Psychonomic Bulletin and Review*, doi: 10.3758/s13423-023-02322-1

Colvett, J.S., Weidler, B.J. & Bugg, J.M. (2023). The location-specific proportion congruence effect: Are left/right locations special? *Attention, Perception, and Psychophysics*, doi: 10.3758/s13414-023-02676-7

Bugg, J.M., Suh, J., & **Colvett, J.S.** (2022). The dominance of item learning in the location-specific proportion congruence paradigm. *Quarterly Journal of Experimental Psychology*, 75(8), 1497-1513, doi: 10.1177/17470218211055162

- Colvett, J.S.**, & Bugg, J.M. (2022). Meaningful boundaries create boundary conditions for control. *Psychological Research*, 86(5), 1615-1635, doi: 10.1007/s00426-021-01580-9
- Colvett, J.S.**, Nobles, L.M., Bugg, J.M. (2020). The unique effects of relatively recent conflict on attentional states. *Journal of Experimental Psychology: Human Perception and Performance* 46(11), 1344–1367, doi: 10.1037/xhp0000860
- Bugg, J.M., Suh, J., **Colvett, J. S.**, & Lehmann, S.G. (2020). What can be learned in a context-specific proportion congruence paradigm? Implications for reproducibility. *Journal of Experimental Psychology: Human Perception and Performance*, 46(9), 1029–1050, doi: 10.1037/xhp0000801
- Krcmar, M., Lapierre, M., Hoxie, A., & **Colvett, J. S.** (2017). Observing parent-child purchase related interactions in US-based retail environments: Replication and extension. *Journal of Children and Media*. 11:3, 261-277, doi: 10.1080/17482798.2017.1303524
- Kitua, M., Davis, M., **Colvett, J.S.**, Mwachiro, M., & Qayyum, R. (2016). Clinical presentation, management and outcome of cardiopulmonary resuscitation at Tenwek hospital: The oCPRTen Study. *Resuscitation*, 106, 15-16, doi: 10.1016/j.resuscitation.2016.06.008

*Denotes undergraduate co-author

Preprints

- Bustos, B.N.[^], **Colvett, J.S.**[^], Bugg J.M., Kool, W. (2023). Humans do not avoid reactively implementing cognitive control. *PsyArXiv*.

[^]denotes shared first authorship

Under Review

- Bustos, B.N.[^], **Colvett, J.S.**[^], Bugg J.M., Kool, W. (Under Review). Humans do not avoid reactively implementing cognitive control. *Journal of Experimental Psychology: Human Perception and Performance*.
- Ileri-Tayar, M., **Colvett, J.S.**, Bugg, J.M. (Under Review). Between-task transfer of item-specific control is replicable and extends to novel conditions. *Journal of Experimental Psychology: Human Perception and Performance*.

In Prep

- McLaughlin, D. J., **Colvett, J.S.**, Bugg, J.M., & Van Engen, K.J. (In Prep). Cognitive load for speaker-switching depends on block-wide context.
- Ileri-Tayar, M., **Colvett, J.S.**, Dey, A., Bugg, J.M. (In Prep). In search of learning-guided control at the item level.
- Colvett, J.S.**, Wetz, L.* , Bugg, J.M. (In Prep). Item-specific control adjustments can transfer across response modalities.

*Denotes undergraduate co-author

Conference Talks

Colvett, J.S., Wetz, L.* , Bugg, J.M. (2022). *Response modality as a boundary for item-specific transfer*. Presentation, Control Process (talk given online).

Krcmar, M., Lapierre, M., Hoxie, A., & **Colvett, J. S.** (2015). *Observing parent-child purchase related interactions in a retail environment: Replication and extension*. Presentation, 65th Annual International Communication Association Conference, San Juan, Puerto Rico.

Kitua, M., Michael, D., **Colvett, J. S.**, & Mwachiro, M. (2015). *Clinical presentation, management and outcome of cardiopulmonary resuscitation at Tenwek Hospital: The oCPRTen study*. Presentation at the Kenya Medical Association Annual Conference, Eldoret, Kenya.

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Poster Presentations

Colvett, J.S., Wetz, L.* , Alva, I.S.* , Bugg, J.M. (2023). Item-Specific Control Adjustments Transfer Across Response Modalities. Presentation, 64th Annual Meeting of the Psychonomic Society. San Francisco, California

Colvett, J.S., Suh, J., Bugg J.M. (2022). Incremental Versus One-Shot Episodic Learning in Task Switching. Presentation, 63rd Annual Meeting of the Psychonomic Society. Boston, Massachusetts.

Colvett, J.S., Weidler, B.J., Bugg, J.M. (2021). Revealing Object-Based Attentional Control in a Moving Object Paradigm. Presentation, 62nd Annual Meeting of the Psychonomic Society. New Orleans, Louisiana (talk given online).

McLaughlin, D.J., **Colvett, J.S.**, Bugg, J.M., Van Engen, K.J. (2021). Sequence effects and speech perception: Cognitive load for speaker-switching within and across accents. Presentation, 62nd Annual Meeting of the Psychonomic Society. New Orleans, Louisiana (talk given online).

Colvett, J.S., Jeliaskova, E.I.* , Bugg, J.M. (2020). Further Evidence for the Effects of Recent Conflict on Attentional Control. Presentation, 61st Annual Meeting of the Psychonomic Society. Austin, Texas (talk given online).

Colvett, J.S., Nobles, L. M.* , Rodriguez, J.* , Bugg J.M. (2019). The Unique Effects of Relatively Recent Conflict on Attentional States. Presentation, 60th Annual Meeting of the Psychonomic Society, Montreal, Quebec.

Dey, A., **Colvett, J.S.**, Rodriguez, J.* , Frontera, N.* , Bugg, J.M. (2018). Categorical boundaries as a facilitator and attenuator of attentional control transfer. Presentation, 59th Annual Meeting of the Psychonomic Society, New Orleans, Louisiana.

Colvett, J.S., Sams, K., Blumenthal, S.* , Gallitano, K.* , & Jennings, J.M. (2017). Assessing the relationship between media multitasking and task switching.

Presentation, 58th Annual Meeting of the Psychonomic Society, Vancouver, British Columbia.

Sams, K., Colburn, E., Butkevitz, N.*, Osment, A.*, **Colvett, J.S.**, Friedman, J., & Jennings, J. (2017). ADHD, executive functioning, and cued vs. voluntary task switching. Presentation, 58th Annual Meeting of the Psychonomic Society, Vancouver, British Columbia.

Colvett, J.S. & Dagenbach, D. (2016). Assessing differences in working memory based on resting state functional connectivity. Presentation, Wake Forest Undergraduate Research Conference, Winston-Salem, North Carolina.

Krcmar, M., Lapierre, M., Hoxie, A.M., & **Colvett, J.S.** (2015). Observing parent-child purchase related interactions in a retail environment: Replication and extension. Presentation, ACC Meeting of Minds, Raleigh, North Carolina

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Awards and Honors

- 2021, Psychonomic Society Graduate Student Award
- 2020, Arts and Sciences Dean's Award for Teaching Excellence
- 2020, Department of Psychological & Brain Sciences Assistant to the Instructor Award
- 2019, NSF Graduate Research Fellowship Program Honorable Mention
- 2018, Summer Research Funding, Washington University
- 2017, University Fellow, Washington University
- 2016, Society for Experimental Psychology and Cognitive Science, Division 3 of the APA, SEPCS Pipeline Scholar

Teaching Experience

Assistant Professor, Berry College Fall 2023 - Present

PSY100 - Introduction to Psychology

PSY260 - Research Methods and Statistics I

Instructor, Washington University Summer 2021 – Spring 2023

Introduction to Psychology Summer 2021 (Online, 25 students)

First-Year Opportunity: Contemporary Issues in Psychology Fall 2021 (Writing Intensive, 15 students), Spring 2023 (6 students)

Introduction to Psychology Fall 2022 (Two sections, 250-300 students each)

- Designed both lecture-based and discussion-based courses for entry level psychology students.
- Selected relevant readings, prepared engaging activities, and assessed performance with exams and essays.
- Advised students regarding their performance in the course and their goals relevant to psychology.

Assistant to the Instructor, Washington University, Fall 2018 - Spring 2022

Courses: Experimental Psychology, Cognitive Psychology, Psychological Statistics, Introduction to Psychology, Introduction to Psychology of Aging

- Provided directed feedback and grades on essays, tests, and lab reports.
- Presented lectures in class regarding memory and attention, experimental design in PsychoPy and research ethics, frequentist and Bayesian statistical methods.
- Assisted in the design, preparation, and analysis of independent student research projects.

Research Interests

- In situations where a person can learn about the conflict probability in multiple dimensions, which dimensions do they prioritize? Can those default priorities be adjusted?
- Are people more inclined to learn about the conflict probability for features that carry semantic meaning rather than more abstract features?
- Previous experience with conflict consistently affects current performance with control. How much previous experience do people use? Are there factors that make certain experiences more salient?
- People can reactively recruit relevant control settings based on their previous experiences with a stimulus. What factors serve as boundaries to this retrieval occurring effectively?

Research Experience

Graduate Student, Cognitive Control and Aging Lab, Washington University in Saint Louis, Fall 2017 – Spring 2023

Research Advisor: Dr. Julie Bugg

- Designed several research projects investigating topics such as: what factors serve as a signal for attentional adjustment, what serves as a boundary for the generalization of attentional control states to new locations, and what are different timescales of conflict accumulation.
- Mentored undergraduate research assistants; fostered understanding and interest in cognitive control topics

Collaborating Graduate Student, Control and Decision Making Lab, Washington University in Saint Louis, Fall 2019 – Spring 2023

Research Advisor: Dr. Wouter Kool

- Designed and implemented study regarding whether associations with previous reactive control conflict drive subsequent preference.
- Lead lab discussions of topics germane to control processes and decision making
- Mentored undergraduate research assistants and lab manager.

Research Associate, Jennings Lab, Wake Forest University, Spring 2016-Spring 2017

Research Advisor: Dr. Janine Jennings

- Designed and implemented study investigating the relationship between task switching and media multitasking conceptual replication of existing research to assess confounds in previous study

- Taught undergraduates how to score measures and run protocol, analyze data, and interpret results
- Contributed to manuscript regarding the manipulation of response stimulus interval in voluntary task switching

Research Intern, Laboratory for Complex Brain Networks, Wake Forest Baptist Health, Spring 2016 – Spring 2017

Research Advisor: Dr. Dale Dagenbach

- Analyzed fMRI data to improve understanding of functional connectivity networks
- Examined functional connectivity differences between individuals with high and low working memory capacity
- Analyzed and compared network statistics with behavioral data to assess differences between groups and predict individual differences
- Designed and assessed tutorial used to teach new lab members concepts in functional connectivity

University Service

Berry College

Washington University in St Louis

Committee Member

WUSTL Teaching and Professional Development Committee. Spring 2021-Present

Coordinator, Graduate Student Brown Bag Fall 2019- Spring 2020

Graduate Student Social Committee Fall 2018 - Spring 2019

Departmental Talks

- September 30th, 2020. Sequence effects and speech perception: Cognitive load for speaker-switching within and across accents
- April 17th, 2019. Brain Behavior Cognition Data Blitz
- November 29th, 2017. Brain Behavior Cognition First Year Talk

Laboratory and Computer Skills

Statistics: R; JASP; SPSS

Experimental Programming: PsychoPy; Pavlovia; ePrime; Qualtrics

Service to Field

Journals reviewed for: Attention, Perception, and Psychophysics; Psychological Research; Psychophysiology