DR. BAILEY NICHOLE BRASHEARS

| bailey.brashears@ttu.edu

EDUCATION

- August 2013 – May 2017 | B.A., Rice University
    - Major:
        - Psychology
        - Cognitive Science
    - Minor: Neuroscience
- September 2017 – July 2019 | MSc, University of Western Ontario
    - Psychology
- July 2019 – December 2024 | PhD, University of Western Ontario
    - Psychology

PUBLICATIONS

- Brashears, B., Brashears, M., Miller, M., Ireland, M., & Davis, T. (2017, January). Is Ice Cream Less of an Animal Product than Hot Dogs?: The Role of Categorization in Judgments of Food Contamination Risk. *Manuscript in preparation.*
- Minda, J. P., Brashears, B., & Hatherley, J. J. (2018, June 12). Prior Verbal Description of Novel Stimuli Improves the Learning of Information Integration Categories but not Rule-Described Categories. https://doi.org/10.31234/osf.io/mnefc. *Manuscript in preparation.*
- Brashears, B. N. & Minda, J. P. (2020). The Effects of Feature Verbalizablity on Category Learning. In S. Denison, M. Mack, Y. Xu, & B. C. Armstrong (Eds.), *Proceedings of the 42nd Annual Conference of the Cognitive Science Society.* Toronto, ON: Cognitive Science Society.

CONFERENCES AND PRESENTATIONS

- Morris, K., Worthy, D., Byrne, K., Brashears, B., & Davis, T. (2016, April). The role of the VMPFC in Category Learning: Decision Evidence or Expected Reward? *Poster session presented at the annual meeting of the Cognitive Neuroscience Society*, New York City, NY.
- Brashears, B., Brashears, M., Miller, M., Ireland, M., & Davis, T. (2017, January). Is Ice Cream Less of an Animal Product than Hot Dogs?: The Role of Categorization in Judgments of Food Contamination Risk. *Poster presented at the annual meeting of the Society for Personality and Social Psychology*, San Antonio, TX.
- Brashears, B. N & Minda, J. P. (2019, November). People are more likely to use classification rules when features are easy to describe verbally. *Poster presented at the 60th Annual Meeting of the Psychonomic Society*, Montréal, QC.
- Brashears, B. N. & Minda, J. P. (2020, July). The Effects of Feature Verbalizablity on Category Learning. *Poster presented virtually at the 42nd Annual Meeting of the Cognitive Science Society*.

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RESEARCH EXPERIENCE

- February 2010 – August 2013 | Student Lab Assistant, Texas Tech University Food Microbiology Lab
  - Assisted graduate students with various microbiology research projects focused on prevention of foodborne pathogens in food systems
- May 2015 – August 2015 | MRI Lab Assistant, Texas Tech University with Dr. Tyler Davis
  - Collected research data from human subjects as an undergraduate research scientist and analyzed MRI data for category leaning research focused on the role of categorization in reward learning
- August 2015 – May 2017 | Research Assistant with Dr. Simon Fischer-Baum, Rice University
  - Conducted research studies as an undergraduate research scientist and assisted designing measures, testing subjects, and analyzing data for a project investigating the possible fractionation between item and order in short term memory
- June 2016 – August 2017 | Researcher with Dr. Tyler Davis, Texas Tech University
  - Co-designed study and designed measures for a study investigating the role of categorization of food products as animal products in beliefs about the safety of the product.
- August 2017 – December 2024 | Student Researcher with Dr. John Paul Minda, University of Western Ontario
  - PhD student research in category learning and learning in virtual environments. Designed scale for quantifying experience with Minecraft, designed and conducted a series of Minecraft-based psychometric experiments investigating memory and expertise.
- January 2025 – Present | Post-Doctoral Researcher, Texas Tech University
  - Ongoing project developing and evaluating a Minecraft-based ranch management simulator. Virtual educational labs are being developed and learning outcomes will be assessed.

TEACHING EXPERIENCE

- January 2015 – January 2017 | Teaching Assistant, Rice University
  - COMP 130, Elements of Algorithms & Computation, Instructor Dr. John Greiner
  - COMP 200, Elements of Computer Science, Instructor Dr. John Greiner
- August – December 2017 | Teaching Assistant, University of Western Ontario
  - PSYCHOL 2135A, Cognitive Psychology, Instructor Dr. John Paul Minda
- January – May 2019 | Teaching Assistant, University of Western Ontario
  - PSYCHOL 2410B, Developmental Psychology, Instructor Dr. Lynne Zarbatany

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- August 2019 – May 2020 | Teaching Assistant, University of Western Ontario
  - PSYCHOL 3130A/B, The Psychology of Thinking, Instructor Dr. John Paul Minda
- August 2020 – May 2021 | Teaching Assistant, University of Western Ontario
  - PSYCHOL 4850, Psychology Honours Thesis, Instructor Dr. Debra Jared
- August 2021 – May 2022 | Teaching Assistant, University of Western Ontario
  - PSYCHOL 3800, Psychological Statistics using Computers, Instructor Ryan Stevenson
- June 2022 – December 2022 | Teaching Assistant, University of Western Ontario
  - PSYCHOL 3130, The Psychology of Thinking, Instructor John Paul Minda
- January 2023 – December 2023 | Instructor, University of Western Ontario
  - PSYCHOL 3130, The Psychology of Thinking
- January 2024 – May 2024 | Instructor, University of Western Ontario
  - PSYCHOL 3185, Research in Cognitive Psychology
- June 2024 – August 2024 | Instructor, University of Western Ontario
  - PSYCHOL 3130, The Psychology of Thinking

SKILLS

- 10+ years of experience with Python
- 10+ years of experience with R and SPSS
- 7+ years of experience with GameMaker Studio (built on C#)
- 5+ years of experience with HTML