**Bryanna L. Scheuler**

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**EDUCATION**

In-Progress **Ph.D. in Psychology**

University of Texas at San Antonio – San Antonio, TX

Dissertation: *Utilizing Response Time Models to Assess Cancer-Related Cognitive Decline and Inflammation*

Advisor: Joseph W. Houpt, Ph.D.

Projected Graduation: May 2025

2022 **M.S. in Applied Psychology**

Tarleton State University – Stephenville, TX

Thesis: *Validation of Classical Maximum Likelihood Estimation for Estimating Shifted-Wald Models of Response Times*

Advisor: Thomas J. Faulkenberry, Ph.D.

2019 **B.S. in Psychology**

Tarleton State University – Stephenville, TX

Awarded Upper-Level Honors

**ACADEMIC AWARDS AND SCHOLARSHIPS**

2022  **Best Graduate Poster**

The Association for Research in Memory, Attention, Decision-making, Imaging, Language, Learning, and Organization Conference

May 2022 **Graduation Commencement Speaker**

Tarleton State University

May 2022 **Outstanding Graduate**

Tarleton State University Department of Psychological Sciences

2019 – 2022 **President’s Scholar**

Tarleton State University

2017 – 2019 **Dean’s List Scholar**

Tarleton State University

2014 – 2016 **Regent’s Scholarship Recipient**

Texas A&M University

**RESEARCH GRANTS**

**Mays Cancer Center Moonshot Pilot Project**

Project Title: *Surviving is Not Enough: Enhancing Cognitive Function in Cancer Survivors through Movement and Introspection*

Amount Awarded: $50,000

Dates: 2023 – 2025

**Responsibilities:**

Although my status as a graduate student prevented me from being able to apply as a principal investigator, the two senior investigators on this project agreed that, as this grant would be used for my dissertation and doctoral funding, it was important that I take the lead on the design and writing. I conducted a literature review and selected the appropriate tasks for measuring cognitive function in a cancer survivor population. I collaborated with the principal investigators to write a research plan to incorporate an assessment of cognitive function study into a therapeutic yoga intervention. After being awarded the grant, I have served as the cognitive assessment specialist, helped design the intervention, received training on inflammation analysis, and collaborated with multiple teams to ensure project success.

**RESEARCH EXPERIENCE**

**Graduate Research Assistant**

*Department of Psychology*

University of Texas at San Antonio

2022 – Present

**Responsibilities:**

As a graduate research assistant in Dr. Houpt’s Mathematical Cognitive Modeling Laboratory, I coordinated our meetings, ran the website, and advised the graduate and undergraduate students. I served as the UTSA point-of-contact on the Moonshot project collaboration, designing our cognitive assessments, handling translations, and aiding in the pursuit of future funding.

**Undergraduate/ Graduate Researcher**

*Department of Psychological Science*

Tarleton State University

2019 – 2022

**Responsibilities:**

While conducting research as an undergraduate in Dr. Faulkenberry’s laboratory, I helped in a simulation study on Bayesian analysis and presented on Bayesian statistics at conferences. As a graduate researcher in his lab, I studied mental arithmetic and response time modeling. Additionally, I served as a mentor to the master’s students completing their theses after me, assisting in paper organization and presentation techniques.

**TEACHING EXPERIENCE**

**Graduate Teaching Assistant**

University of Texas at San Antonio

2024 – Present

PSY 3413

**Responsibilities:**

I was the primary instructor for the experimental psychology laboratory, training students on advanced statistical techniques and scientific writing.

**Graduate Teaching Assistant**

Tarleton State University

2022

PSYC 2317

**Responsibilities:**

I was the primary instructor for the core undergraduate statistics course, and taught Bayesian statistics in conjunction with the classical hypothesis testing curriculum.

**University Tutor**

Tarleton State University

2019 – 2021

**Responsibilities:**

I was a tutor for multiple statistical courses, including Statistical Methods in Psychology, Behavioral Statistics [graduate], Research Methods [graduate], Social Science Statistics, Principles of Bio-Statistics, Criminal Justice Statistics, and Statistical Methods for Criminal Justice [graduate]. (As a note, this was possible because I received an exception by the chairs of all Tarleton State University departments to tutor any statistics course the university offered). I also tutored Anatomy and Physiology, Business Computer Information Systems, Writing in Psychology, and Public Speaking.

**ACADEMIC SERVICE**

2024 – Present **Doctoral Student Advocate**

Served as the University of Texas at San Antonio psychology department’s advocate on the UTSA Graduate School board

2024 **Invited Speaker**

Spoke on a panel for the Society of Undergraduate Research

2024 **Textbook Review**

Reviewed a Bayesian statistics textbook for Routledge

2024 **Journal Review**

Reviewed a manuscript for *Supportive Care in Cancer*

2024 **Invited Speaker**

Gave a talk in the Rice University Understanding Cancer course

2023 **Conference Manuscript Review**

Reviewed a conference paper for the Society of Mathematical Psychology annual meeting

2023 **Invited Speaker**

Gave a talk at the Population Science Program

2022 **Psychology Department Representative**

Was interviewed as the representative for the psychology department for Tarleton State University promotional videos

**PAPERS IN-PREPARATION**

Scheuler, B. L., Bennet, M. S., & Houpt, J. W. (2024). *Censoring data in accumulator models: Considerations and approaches* [Manuscript in preparation]. Department of Psychology, University of Texas at San Antonio.

Scheuler, B. L., Houpt, J. W., & Hughes, D. C. (2025). The tractor in the flower garden: A commentary on measuring cancer-related cognitive decline [Manuscript in preparation]. Department of Psychology, University of Texas at San Antonio.

Faulkenberry, T. J., Scheuler, B. L., & McMullin, S. (2025). Estimation methods in shifted-Wald models of response time times [Manuscript in preparation]. Department of Psychological Sciences, Tarleton State University.

**PRESENTATIONS**

Scheuler, B. L., Houpt, J. W., & Hughes, D. C. (July 2024). *Utilizing response time assessments of cognitive function: The first step in understanding cancer-related cognitive impairment* [Poster presentation]*.* Annual Meeting of the Society for Mathematical Psychology. Tilburg, Netherlands.

Scheuler, B. L., Houpt, J. W., & Hughes, D. C. (April 2024). *Utilizing response time modeling to inform cancer-related cognitive impairment assessments* [Poster presentation]*.* Graduate Student Appreciation Week Research Symposium. San Antonio, TX.

Scheuler, B. L., Houpt, J. W., & Hughes, D. C. (March 2024). *Utilizing response time modeling to inform cancer-related cognitive impairment assessments* [Poster presentation]*.* Southwestern Psychological Association. San Antonio, TX.

Scheuler, B. L., Houpt, J. W., & Hughes, D. C. (February 2024). *Exercise self-efficacy in Latina cancer survivors* [Poster presentation]*.* Advancing the Science of Cancer in Latinos Conference. San Antonio, TX.

Scheuler, B. L., Houpt, J. W., & Hughes, D. C. (October 2023). *One step at a time: Exercise self-efficacy in cancer survivors* [Poster presentation]*.* The Association for Research in Memory, Attention, Decision-making, Imaging, Language, Learning, and Organization. San Marcus, TX.

Scheuler, B. L., Houpt, J. W., & Faulkenberry, T. J. (March 2023). *Evaluating single-level and hierarchical maximum likelihood estimation in shifted-Wald models* [Poster presentation]*.* Southwestern Psychological Association. Frisco, TX.

Scheuler, B. L., & Faulkenberry, T. J. (November 2022). *Classical maximum likelihood estimation in shifted-Wald models of response times* [Poster presentation]*.* Psychonomic Society Annual Meeting. Boston, MA.

Scheuler, B. L., & Faulkenberry, T. J. (October 2022). *Classical maximum likelihood estimation in shifted-Wald models of response times* [Poster presentation]*.* The Association for Research in Memory, Attention, Decision-making, Imaging, Language, Learning, and Organization. Stephenville, TX.

Scheuler, B. L., & Faulkenberry, T. J. (April 2022). *Cognitive processes in mental arithmetic: A confirmatory Bayesian analysis* [Poster presentation]*.* Southwestern Psychological Association. Baton Rouge, LA.

Scheuler, B. L., & Faulkenberry, T. J. (March 2022). *Cognitive processes in mental arithmetic: A confirmatory Bayesian analysis* [Poster presentation]*.* Pathways Research Symposium, College Station, TX.

Scheuler, B. L., & Faulkenberry, T. J. (February 2022). *Cognitive processes in mental arithmetic: A confirmatory Bayesian analysis* [Poster presentation]*.* President’s Excellence in Research Scholars. Stephenville, TX.

Scheuler, B. L., & Faulkenberry, T. J. (November 2019). *An illustration of Bayesian hypothesis testing in the social and behavioral sciences* [Poster presentation]*.* Pathways Research Symposium. Laredo, TX.

Faulkenberry, T. J. & Scheuler, B. L. (March 2019). *Bayesian model selection for informative hypotheses: A comparison of data-based versus default encompassing priors* [Poster presentation]*.* Mathematical Association of America. Stephenville, TX.

**PROFESSIONAL AFFILIATIONS**

**2023 – Present** Student member of the Society for Mathematical Psychology

**2022 – Present** Affiliate member of UT Health Mays Cancer Center

**2022 – 2023** Student member of the Psychonomic Society

**LEADERSHIP POSITIONS**

**2024 – Present** Psychology Doctoral Representative for University of Texas at San Antonio Graduate School board

**2021** Experienced Tutor Reviewer for Tarleton Tutoring & Learning Center

**2020 – 2021** New Tutor Trainer for Tarleton Tutoring & Learning Center

**2019 – 2020** President for Tarleton Psychology Club

**INSTRUMENTATION EXPERIENCE**

R/ RStudio, JASP, PsychoPy, Microsoft Products

**REFERENCES**

**Joseph W. Houpt, Ph.D.**

Associate Professor, Department of Psychology

University of Texas at San Antonio

One UTSA Circle, San Antonio, TX 78249

Joseph.houpt@utsa.edu

**Daniel C. Hughes, Ph.D.**

Assistant Professor

University of Texas Health Science Center at San Antonio

7703 Floyd Curl Drive, San Antonio, TX 78229

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**Thomas J. Faulkenberry, Ph.D.**

Professor & Associate Dean, College of Graduate Studies

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**Amber Harris Bozer, Ph.D.**

Associate Professor & Department Head of Neuroscience

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