

Morgan Buerke

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EDUCATION

University of Southern Mississippi **8/2021- Present**
MA in Clinical Psychology in Progress

Kent State University (GPA: 4.0) **2014-2017**
Bachelor of Science in Psychology (Summa cum laude)
Minor in Applied Mathematics
Thesis: Effects of Anger Rumination
Advisor: Jeffrey Ciesla, PhD

University of Leicester (UK) **2016**
No degree, study abroad program

RESEARCH EXPERIENCE

Graduate Student **8/2021- Present**
Anxiety and Trauma Research Lab
Psychology Department, University of Southern Mississippi, Hattiesburg, MS

Research Project Coordinator **6/2018- 08/2021**
Longitudinal Research Program in Late-Life Suicide
Psychiatry Department, University of Pittsburgh Medical Center, Pittsburgh, PA

PIs: Katalin Szanto, MD, Alexandre Dombrovski, MD, & Polina Vanyukov, PhD

Data acquisition methods:

- Behavioral data collection (6 behavioral only tasks, 4 fMRI tasks)
- Ecological Momentary Assessment (personally recruited >150 participants)
- Eye tracking tasks (2 unique tasks)

Assessments:

- Neuropsychological assessments (training and administration of 5 assessments)
- Clinical (administration of 1 assessment)

Description:

- Promoted from *Research Specialist* (2018) to *Database Coordinator* (2019) to *Research Project Coordinator* (2020)
- Prepare and edit manuscripts— See Publications section
- Data analysis of behavioral, eye-tracking, and clinical data for publication
- Restructure and combine EMA and behavioral data with clinical data for analysis
- Present in-progress projects, paper reviews, and R/data hygiene training sessions at lab meetings
- Edit and submit manuscripts, grants, and administrative materials for Dr. Szanto
- Train with Dr. Szanto on the review process, including co-reviewing five articles
- Oversee the training of three new data managers, two fMRI scanners and four clinicians
- Construct, transfer, and now manage the longitudinal database in Redcap
- Manage and redesign website pages using HTML and CSS
- Recruit and screen participants from inpatient and outpatient centers, Facebook, and self-referral
- Code one behavioral task from Matlab into Inquisit

Thesis Researcher

8/2016- 12/2017

Mood, Stress and Cognitions Lab

Psychology Department, Kent State University, Kent, OH

PI: Jeffrey Ciesla, PhD

Data acquisition methods:

- In lab assessments (self-reports)

Description:

- Designed and conceptualized novel study manipulation
- Reviewed literature, requested IRB approval, hired an actor to record study manipulation
- Recruited and trained research assistants

Research Assistant

1/2015-5/2018

Cognitive Development Lab

Psychology Department, Kent State University, Kent, OH

PI: Clarissa Thompson, PhD

Data acquisition methods:

- Eye tracking (adults)
- Paper and tablet number line estimation tasks (children)

Description:

- Initially responsible for data entry and collection
- Piloted a study using a table of contents book to teach children numbers in collaboration with Dr. Bradley Morris
- Ongoing collaboration into 2020 including piloting an online COVID-19 study, coding qualitative responses for an additional study, and editing our paper on correct and incorrect worked examples

PAPERS/PUBLICATIONS

Buerke, M., Galfalvy, H., Keilp, J., Sheftall, A., Burke, A., Bridge, J., Mann, J. & Szanto, K. (2021). Age Effects on Clinical and Neurocognitive Risk Factors for Suicide Attempt — Findings from the AFSP Lifespan study. *Journal of Affective Disorders, 295, 123-130.*

Perry, M.* & **Buerke, M.***, Szücs, A., Allen, T. A., Bruin de Bruine, W., Szántó, K., & Dombrovski, A. Y. (2021). A lifetime of challenges: real-life decision outcomes in early- and late-onset suicide attempters. *Journal of Affective Disorders Reports, 4, 100-105.* <https://doi.org/10.1016/j.jadr.2021.100105>

*Denotes equal contribution as first authors

Fitzsimmons, C. J., Morehead, K., Thompson, C. A., **Buerke, M.**, & Dunlosky, J. (2021). Can feedback, correct, and incorrect worked examples improve numerical magnitude estimation precision? *Journal of Experimental Education, 1-26.* [10.1080/00220973.2021.1891009](https://doi.org/10.1080/00220973.2021.1891009)

Sidney, P. G., Thalluri, R., **Buerke, M. L.**, & Thompson, C. A. (2019). Who uses more strategies? Linking mathematics anxiety to adults' strategy variability and performance on fraction magnitude tasks. *Thinking & Reasoning, 25(1), 94-131.* <https://doi.org/10.1080/13546783.2018.1475303>

Buerke, M. (2017). *Effects of Anger Rumination.* (Electronic Thesis). Published on OhioLink. http://rave.ohiolink.edu/etdc/view?acc_num=ksuhonors151291117885555

PRESENTATIONS

Buerke, M., Galfalvy, H., Keilp, J., Sheftall, A., Burke, A., Bridge, J., Mann, J. & Szanto, K. (October 2021). Does Age Modify the Association between Clinical and Neurocognitive Risk Factors and Suicide Attempt— Findings from the AFSP Lifespan study. IASR/AFSP

Chang, Y., Galfalvy, H., **Buerke, M.**, & Szanto, K. (October 2021). Age of Onset of First Suicidal Behavior Determines Risk Factor Profiles in Older Suicide Attempters – Focus on Childhood Trauma Experiences. IASR/AFSP

Thalluri, R., **Buerke, M.**, Sidney, P., & Thompson, C.A. (April 2017). The Role of Mathematics Anxiety in Students' Fraction Magnitude Comparison. Co-presented at the 89th annual meeting of the Midwestern Psychological Association, Chicago, Illinois

Buerke, M. (October 2017). Assessing Anger Rumination. Thesis presented for the Summer Undergraduate Research Experience, Kent, Ohio.

RESEARCH FUNDING AWARDS

Summer Undergraduate Research Experience Award 6/2017

- \$2,800 to fund data collection on Honor's Thesis summer research

Travel Award 2/2017

- \$500 to present at the Midwestern Psychological Association Conference

Undergraduate Summer Internship Award 6/2016

- \$2,200 to do research over the summer on a part-time basis

TEACHING EXPERIENCE

Teaching Assistant 8/2016-12/2017

Psychology Department, Kent State University, Kent, Ohio

TRIO Student Support Services Peer Learning Assistant 8/2015-12/2017

Academic Success Center, Kent State University, Kent, Ohio

Summer Advantage Tutor 6/2017-7/2017

Student Success Services, Kent State University, Kent, Ohio

OTHER RELEVANT EXPERIENCE

Practice Client for Clinical Trials 6/2017

Kent State University

Student Research Award Reviewer 3/2017

Association for Psychological Science (APS)

RELEVANT PROGRAMS

- R (proficient)
- Redcap (proficient)
- Inquisit (moderate)
- HTML/CSS (moderate)
- Zotero (moderate)
- GitHub (basic)
- Microsoft Access (basic)

RELEVANT ANALYSES

- Descriptive statistics and graphs
- Correlation plots
- Radar plots
- Exploratory and confirmatory factor analysis
- Survival analysis
- Cluster analysis
- Mixed effects models
- Logistic regression
- ANOVA

EXTRACURRICULAR ACTIVITIES

<i>Volunteer, Global Ambassador</i>	Kent State University	6/2017-12/2017
<i>Volunteer, Peer Success Specialist</i>	Kent State University	1/2017-12/2017
<i>Volunteer, Conversation Partners</i>	Kent State University	1/2017-5/2017
<i>Student Ambassador, Arts & Sciences Dean's Student Advisory Board</i>	Kent State University	8/2016-5/2017
<i>Student, Teaching English to Speakers of Other Languages</i>	University of Leicester	2/2016-3/2016
<i>Trainee, Provost Leadership Academy</i>	Kent State University	8/2014- 5/2015