

# Morgan Buerke

**Address:**

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## EDUCATION

**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)****1/2016-5/2016**

No degree, study abroad program

## RESEARCH EXPERIENCE

**Research Project Coordinator****6/2018- Present**

*Longitudinal Research Program in Late-Life Suicide*

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

Cognitive Development Lab

Psychology Department, Kent State University, Kent, OH

1/2015-5/2018

**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. (Under Review). Age Effects on Clinical and Neurocognitive Risk Factors for Suicide Attempt — Findings from the AFSP Lifespan study. *Journal of Affective Disorders*.

Perry, M.\* & **Buerke, M.\***, Szücs, A., Allen, T. A., Bruin de Bruine, W., Szántó, K., & Dombrowski, 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

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](http://rave.ohiolink.edu/etdc/view?acc_num=ksuhonors151291117885555)

## PRESENTATIONS

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 89<sup>th</sup> 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

Buerke

**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)      | • HTML/CSS (moderate) | • Adobe Photoshop and Illustrator (basic) |
| • Redcap (proficient) | • Zotero (moderate)   | • Microsoft Access (basic)                |
| • Inquisit (moderate) | • GitHub (basic)      |   |

**RELEVANT ANALYSES**

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

**EXTRACURRICULAR ACTIVITIES*****Volunteer, Global Ambassador***

Kent State University

**6/2017-12/2017*****Volunteer, Peer Success Specialist***

Kent State University

**1/2017-12/2017*****Volunteer, Conversation Partners***

Kent State University

**1/2017-5/2017*****Student Ambassador, Arts & Sciences Dean's Student Advisory Board***

Kent State University

**8/2016-5/2017*****Student, Teaching English to Speakers of Other Languages***

University of Leicester

**2/2016-3/2016*****Trainee, Provost Leadership Academy***

Kent State University

**8/2014- 5/2015**