

MAX KRAMER



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MKramerPsych

Education

MA., Computational Social Science

Specialization: Cognitive Neuroscience

Cumulative GPA: 3.94

University of Chicago

2020 - 2022 | Chicago, Illinois

BA., Psychology

High Honors in Psychology

Minor: Computer Science

Concentration: Cognitive Science

Concentration: Statistical Modeling

Cumulative GPA: 3.83

Oberlin College

2016 - 2020 | Oberlin, Ohio

Skills

Programming Languages

MATLAB

R

Python

Bash

SPSS

Frameworks

AWS: S3, EMR, EC2, SNS, Kinesis

GitHub

PsychoPy

PySpark

PyTorch

Research Skills

fMRI Analysis

Deep Learning

Bayesian Statistics

Dynamic Systems Modelling

Teaching

R Programming - Oberlin College [TA]

Research Methods - Oberlin College [Tutor]

Research Experience

Aug 2020 - Present **Graduate Research Assistant**

BrainBridge Lab

- PI: Wilma A. Bainbridge
- Research in multidimensional representations of object memorability
- Research Question: "What makes a stimulus memorable?"
- Methods: Behavioral, Computational, fMRI, Deep Learning

Jun 2019 - Aug 2019 **Summer Research Fellow**

TarrLab

- PI: Michael J. Tarr
- Research on the role of color in CNN face classifiers
- Research Question: "What role does color play in face perception?"
- Methods: Convolutional Neural Networks

Sep 2018 - May 2020 **Undergraduate Research Assistant**

CASH Lab

- PI: Kenneth J. D. Allen
- Research in Nonsuicidal Self Injury (NSSI)
- Research Question: "How does emotional response inhibition relate to emotion regulation?"
- Methods: Psychophysics, Behavioral, Computational

Sep 2016 - May 2020 **Undergraduate Research Assistant**

Darling Lab

- PI: Nancy E. Darling
- Research in Chronic Pain & Adolescent Development
- Research Question: "How do you get teens in pain to take back their lives?"
- Methods: Behavioral, Computational

Journal Publications

Kramer, M. A., Hebart, M. N., Baker, C. I., & Bainbridge, W. A. (2021). Characterizing Memorability in Representational Space: Analyzing Relative Contributions of Perceptual and Conceptual Information. Manuscript available upon request

Allen, K. J. D., Johnson, S. L., Sammon, M. M., **Kramer, M.A.**, Wu, C., Wu, J., Liu, R. T., Burke, T. A., Schatten, H. T., Arme, M. F. & Hooley, J. M. (in prep). Validation of an emotional stop-signal task to probe individual differences in emotional response inhibition: Relationships with positive and negative urgency.

Poster Presentations

Kramer, M. A., Hebart, M. N., Baker, C. I., & Bainbridge, W. A. (submitted). Memorability is more than typicality or atypicality: evidence from brain, behavior, and computational modeling. Proceedings of the Society for Neuroscience. Chicago, IL.

Kramer, M. A., Hanson, P., Li, X., & Needell, C. D. (2021). Characterizing Memorability in Representational Space: Analyzing Relative Contributions of Perceptual and Conceptual Information [Panel presentation]. Proceedings of the Interdisciplinary Graduate Conference at the University of Chicago 2021, Chicago, Illinois.

Kramer, M. A., Hebart, M. N., Baker, C. I., & Bainbridge, W. A. (2021). Characterizing Memorability in Representational Space: Analyzing Relative Contributions of Perceptual and Conceptual Information [Poster presentation]. Proceedings of the Virtual Vision Sciences Society 2021.

Honors and Awards

- Maroon Scholars - [2/3 Tuition Scholarship]
- Stetson-Heiser Memorial Prize - [\$250]
- R.H. Stetson Award for Empirical Research - [\$500]
- Jerome Davis Research Grant - [\$500]
- LaunchU Startup Incubator - 1step2life Team [\$20,000]

Society Memberships

- Phi Beta Kappa - Zeta Chapter of Ohio [Inducted May 2020]
- Sigma Xi - Oberlin College Chapter [Inducted May 2020]