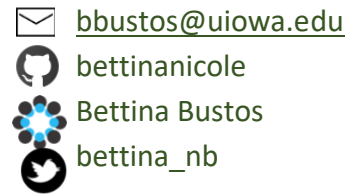


Bettina Bustos



Education

University of Iowa

2021 - | Ph.D., Psychological and Brain Sciences
Advisor: Jiefeng Jiang, Ph.D.

University of Texas at Austin

2018 | B.A., Psychology & B.A., Health in Society, Minor in Philosophy
The Interaction of Depression and Cognitive Control on Prospective Memory
Advisor: Jarrod Lewis-Peacock, Ph.D.

Research

Washington University in St. Louis - Lab Manager

2019 - 2021 | Control and Decision-Making Lab
PI: Wouter Kool, Ph.D.

University of Pittsburgh - Research Assistant

2018 - 2019 | Adult Health, Aging and Behavior longitudinal study
PIs: Stephen Manuck, Ph.D., Anna Marsland, Ph.D. & Peter Gianaros, Ph.D.

University of Texas at Austin - Research Assistant

2016 - 2018 | Lewis-Peacock Cognitive Neuroscience of Memory Lab
PI: Jarrod Lewis-Peacock, Ph.D.

2015 - 2017 | Cognitive Neuroscience of Categorization and Decision-Making Lab
PI: W. Todd Maddox, Ph.D.

Awards

MAR 2018 | COSYNE (Computational & Systems Neuroscience Conference) undergraduate travel award

Programs, Languages & Skills

Programming: Python, JavaScript/HTML/CSS

Analysis: FSL, R

Qualifications: MRI User (Siemens 3T scanner), e-Mini International Neuropsychiatric Interview, Low-Level Light Therapy Technique, Heart Rate Variability (HRV), EEG, administration of Neuropsychiatric battery, fluent in verbal and written Spanish.

Code

Bustos, B., and Kool, W. (2020) Four sequential decision-making tasks to distinguish between multiple reinforcement-learning systems ([OSF](#))

Publications

Bustos, B.*, Colvett, J*., Bugg, J., and Kool, W. (2021) Working Hard or Hardly Working: Learning Based Reactive Control Does Not Produce Demand Differences. In preparation.

Dolgin, J., **Bustos, B.**, Wilson, R.C., and Kool, W. (2021) Directed exploration involves deciding not just whether, but also, when to explore. In preparation.

(*co-first authors)

Presentations

Bustos, B., Jiang, J. (2022) Task switch costs scale with dissimilarity between task-rules in a cognitive map-like manner. Poster by B.B. for the 29th Annual Meeting of the Cognitive Neuroscience Society.

Dolgin, J., **Bustos, B.**, Wilson, R.C., and Kool, W. (2021) Directed exploration involves deciding not just whether, but also, when to explore. Poster presented by J.D. at the 62nd annual meeting of Psychonomic Society, and the 2nd Workshop on Mental Effort.

References

Wouter Kool: wkool@wustl.edu | Stephen Manuck: manuck@pitt.edu | Jarrod Lewis-Peacock: jalewpea@utexas.edu