William Mitchell

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EDUCATION

TEMPLE UNIVERSITY
PhD, Cognition & Neuroscience
Exp. Aug 2025 | Philadelphia, PA
Concentration: Quantitative Methods

LOYOLA UNIVER. MARYLAND
BA, Psychology
Grad. May 2014 | Baltimore, MD
Graduated Magna Cum Laude

GRAD. COURSEWORK

Graduate Statistics I & II
Multivariate Statistics
Hierarchical Linear Modeling
Human Neuroimaging
Cognitive Psychology
Adolescent Psychology
Neuromodulation, Learning & Memory
Method in Neuroscience

PROGRAMMING

Proficient Languages:

R • Python • Shell
JavaScript • LATEX

Familiar Languages:
SQL • CSS • HTML • MATLAB
Markdown • Git • Arduino

SKILLS

Statistical Methods
Univariate & Multivariate fMRI Analysis •
Intersubject Correlation • Permutation
Testing & Bootstrapping • Neural
Networks • Representational Similarity
Analysis • Factor Analysis • Hierarchical
Modeling • Non-parametric Statistics •

Applications
FSL • fMRIPrep • MRIcroGL • Anaconda
• Hume.AI • EmoNet • Whisper

Selected Libraries
lme4 • Tidyverse • NLTools • Nilearn •
Pandas • PyTorch • SciPy • TensorFlow

LINKS

Github: **wj-mitchell**
LinkedIn: **wjpmitchell**
Bluesky: **wj-mitchell**
Scholar: **William J. Mitchell**

SELECTED EXPERIENCES

TEMPLE UNIVERSITY | Graduate Researcher
Aug. 2019 – present | Philadelphia, PA
- Applying advanced statistical, machine learning techniques and using complex, dynamic stimuli to promote greater ecological-validity in research
- Using television stimuli, computational methods, magnetic resonance imaging to study when people synchronize in their social decisions while uncertain.
- Used innovative study design (e.g., haunted houses, movies), multilevel models, natural language processing to explore natural emotion responses under stress.

CHILDREN'S HOSPITAL OF PHILA. | Clin. Research Coordinator
Oct. 2017 – Aug. 2019 | Philadelphia, PA
- Collected biospecimens to develop and manage a first-of-its-kind human tissue bank for designing new gastrointestinal treatments without risk to patients.
- Surveyed the gut microbiome of 60+ families to develop a formal treatment for those suffering from short bowel syndrome.

JOHNS HOPKINS UNIVERSITY | Research Coordinator
Sept. 2013 – Oct. 2017 | Baltimore, MD
- Distributed and monitored the effects of reduced nicotine cigarettes in typical and vulnerable populations to aid FDA regulation of nicotine content.
- Administered people cannabinoid products to identify a reliable biomarker among intoxicated individuals.

LEADERSHIP ROLES

CODING OUTREACH GROUP | Director / Assistant
2021 – 2024 | Philadelphia, PA
Teaching statistics & programming skills via weekly office hours, summer workshops, semi-annual bootcamps, and COG-generated tutorials; Community of 175+ on Slack

JOHNS HOPKINS UNIVERSITY | Intern. Program Manager
2015:– 2017 | Baltimore, MD
Interviewed and selected interns; developed their skills & interests via trainings, progress meetings, and research activities

SELECTED PUBLICATIONS

Mitchell WJ, Stasiak J, Bounyarith T, O'Shea I, Helion C, (In Preparation). Perspective moderates the resolution of social uncertainty using naturalistic behavioral paradigm.

Mitchell WJ, Stasiak J, Martinez SA, Cliver K, Gregory DF, Reisman S, Schmidt H, Murty VP, Helion CA (2025). Emotion regulation strategy use and forecasting in response to dynamic, multimodal stimuli. **Journal of Experimental Psychology: General**

Mitchell WJ, Tepfer LJ, Henninger NM, Perlman SB, Murty VP, Helion CA (2021). Developmental Differences in Affective Representation Between Prefrontal and Subcortical Structures. **Social Cognitive & Affective Neuroscience**

SELECTED AWARDS

2024	Winner of the National CARD-Ipsos Dissertation Award
2023	National Institute of Health D-SPAN F99/K00 6-Year Fellowship
2023	Methods in Neurosci. at Dartmouth Computat. Summer Fellowship
2022	Psychology Department Honors Mentor of the Year at Temple Univer.
2022	Neurohackademy Summer Fellowship
2021	Social & Affective Neuroscience Society Best Poster Award