CURRICULUM VITAE

MARISA LYTLE

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EDUCATION

Doctor of Philosophy in Developmental Psychology *May 2025 (Anticipated)*
The Pennsylvania State University, University Park, PA
Advisor: Koraly Pérez-Edgar, Ph.D.

Bachelors of Arts in Neuroscience and Child Development *May 2017*
Vanderbilt University, Nashville, TN
GPA: 3.98, *Summa Cum Laude*
Minor: Women and Gender Studies

PUBLICATIONS

Lytle, M. N., Prado, J., & Booth, J. R. (2020). A neuroimaging dataset of deductive reasoning in school-aged children. *Data in Brief, 33*.

Lytle, M. N., Hammer, R., & Booth, J. R. (2020). A neuroimaging dataset on working memory and reward processing in children with and without ADHD. *Data in Brief, 31*, 105801.

Lytle, M. N., Bitan, T., & Booth, J.R. (2020). A neuroimaging dataset on orthographic, phonological and semantic word processing in school-aged children. *Data in Brief, 28,* 105091

Lytle, M. N., McNorgan, C., & Booth, J.R. (2019). A longitudinal neuroimaging dataset on multisensory lexical processing in school-aged children. *Scientific Data, 6,* 329

Suárez-Pellicioni, M., **Lytle, M.**, Younger, J.W., & Booth, J.R. (2019). A longitudinal neuroimaging dataset on arithmetic processing in school children. *Scientific Data, 6*, 190040.

Noel, J.P., **Lytle, M.**, Cascio, C., & Wallace, M.T. (2018). Disrupted integration of exteroceptive and interoceptive signaling in austism spectrum disorder. *Autism Research,* 10.1002/aur.1880.

Lytle, M. N., Burman, D. D., & Booth, J. R. (Under revision). A neuroimaging dataset on response inhibition and selective attention in adults and children with and without ADHD.

Yamasaki, B. L., Bitan, T., Dronjic, V., Nathaniel, U., **Lytle, M. N.**, Eidelsztein, S., Nir, B., & Booth, J. R. (Revision under review). The role of prior knowledge in morphological learning in an artificial second language. *Registered Report

Wang, J., **Lytle, M. N.**, Weiss, Y., Yamasaki, B. L., Booth, J. R. (In prep). A longitudinal neuroimaging dataset on language processing in children ages 5, 7, and 9 years old. Preprint at: https://psyarxiv.com/tpndf

Pegg, S., **Lytle, M. N.**, Arfer, K., & Kujawa, A. (In prep). Neural Markers of Sensitivity to Peer Acceptance and Rejection: An Examination of the Psychometric Properties of Event-Related Potentials in Social Processing.

PRESENTATIONS

∅ **Lytle, M.N.** & Booth, J.R. (2020, June). *Sharing large-scale neuroimaging datasets in educational neuroscience.* Oral presentation at International Mind, Brain and Education Society, Montreal, Canada.

*__Lytle, M.N.__ (2020, February). *Data Sharing in Psychology and Neuroimaging Research.* Oral presentation given at Psychology and Human Development Department Cognitive Science of Learning and Development Research Forum, Vanderbilt University, Nashville, Tennessee.

Lytle, M. N., McNorgan, C., & Booth, J. R. (2019, September). *A public longitudinal dataset on the brain correlates of multisensory lexical processing.* Poster presentation given at the Vanderbilt Kennedy Center Science Day, Nashville, Tennessee.

**Slides/poster available on Open Science Framework (osf.io)*
∅ Cancelled due to COVID-19

PUBLIC DATASETS

Booth, J.R., Binzak, J., Demir-Lira, O.E., **Lytle, M.N.**, Mutreja, R., Prado, J. (2020). Brain Development of Deductive Reasoning. *OpenNeuro.* https://doi.org/10.18112/openneuro.ds002886.v1.0.0

Booth, J.R., Cook, G.E., Gayda, J., Hammer, R., **Lytle, M.N.**, Stein, M.A., Tennekoon, M. (2020). Reward and Working Memory in Attention Deficit Hyperactivity Disorder (ADHD). *OpenNeuro.* https://doi.org/10.18112/openneuro.ds002424.v1.1.0

Booth, J.R., Bigio, J., Bitan, T., Bolger, D., Burman, D., Cao, C., Chou, T., Cone, N., Gayda, J., Lu, D., **Lytle, M.N.**, Minas, J. (2019). Cross-Sectional Multidomain Lexical Processing. *OpenNeuro.* https://doi.org/10.18112/openneuro.ds002236.v1.0.0

Booth, J.R., Brennan, C., Demir-Lira, O.E., Desroches, A., Ekerdt, C., Gullick, M.M., **Lytle, M.N.**, McNorgan, C., Randazzo-Wagner, M., Weiss, Y., Younger, J.W. (2019).Longitudinal Brain Correlates of Multisensory Lexical Processing in Children. *OpenNeuro.* https://doi.org/10.18112/openneuro.ds001894.v1.3.1

Booth, J.R., Berteletti, I., Binzak, J., Demir-Lira, O.E., **Lytle, M.N.**, Mutreja, R., Prado, J., Suarez-Pellicioni, M., Younger, J.W. (2018). Brain Correlates of Math Development. *OpenNeuro.* https://doi.org/10.18112/openneuro.ds001486.v1.2.1

AWARDS & HONORS

Enhanced Graduate Scholar Award, *The Pennsylvania State University* *2020*

RESEARCH EXPERIENCE

Cognition, Affect, and Temperament Lab, The Pennsylvania State University
Graduate Researcher *Aug. 2020 – Present*
PI: Koraly Pérez-Edgar, PhD

Brain Development Laboratory, Vanderbilt University
Research Assistant II *Mar. 2019 – Aug. 2020*
Research Assistant I *Sept. 2017 – Mar. 2019*
PI: James R. Booth, PhD

Mood, Emotion, & Development Lab, Vanderbilt University *June 2019 – July 2020*
Research Assistant
PI: Autumn Kujawa, PhD

Multisensory Research Laboratory, Vanderbilt University *Jan. 2015 – June 2016*
Undergraduate Research Assistant
PI: Mark Wallace, PhD

SERVICE

Professional
Area Liaison to the DGS, Department of Psychology, PSU *Dec. 2020 – Present*

Community
L.E.A.D. Troop Leader, Girl Scouts of Middle Tennessee *2019 – 2020*
Clinic Greeter and Volunteer, PPTNM *2016 – 2019*
Grade 6 Instructor, Vanderbilt Students Volunteering for Science *2016 – 2017*
Classroom Volunteer, Kent School District *2008 – 2017*

RELEVANT SKILLS

Programming Experience: Python, MATLAB, Bash/UNIX

Software Experience:
- SPSS, R (statistical software)
- E-Prime, PsychToolBox (experimental design and implementation)
- SPM, Freesurfer, Brain Vision Analyzer (Neuroimaging data processing)
- Praat, Audacity, Photoshop, Inkscape, Vegas Pro (media processing)
- REDCap, Filemaker Pro, Microsoft Access (database management)