Alex W. DaSilva

Psychological and Brain Sciences   Alexander.W.Dasilva.GR@dartmouth.edu
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Education

Dartmouth College – Hanover, NH, USA   *2015 - present*
PhD Candidate – Psychological and Brain Sciences
Advisor: Meghan L. Meyer, Ph.D.

Iowa State University – Ames, IA, USA   *2014*
Bachelor of Science with honors
Major: Psychology; Minor: Applied Statistics

Training

NeuroMarketing Lab – Ames, IA, USA   *2013 - 2015*
Research Assistant – Principal Investigator: Laura Smarandescu, Ph.D.

McCausland Center for Brain Imaging – Colombia, SC, USA   *Summer 2013*
REU Research Intern – Principal Investigator: Jennifer Vendemia, Ph.D.

Technical Skills

Statistical Expertise:
- Regression-based methods: general(ized) linear regression and ridge/LASSO for regression/classification, mixed-effect models, etc
- Multivariate techniques: PCA, Factor Analysis, MDS, Clustering, etc
- Experimental design: A/B testing, crossed and nested designs
- Reproducible computing: knitr, rmarkdown, jupyter notebook/lab

Programming/Technologies:
- Proficient with R
- Familiar with Python, SQLite, Bash, Git

Honors & Awards

Social and Affective Neuroscience Society – Poster Award   *2016*
NIDA – T32 Predoctoral Fellowship   *2015 - present*
Iowa State University - George Washington Carver Tuition Scholarship   *2010 - 2014*

Published Works

daSilva A.W., Huckins J.F., Wang R., Wang W., Wagner D.D., Campbell A.T. (Accepted)

Correlates of Stress in the College Environment Uncovered by the Application of Penalized Generalized Estimating Equations to Mobile Sensing Data. JMIR mHealth and uHealth.

Wang, R., Wang, W., **daSilva, A.W.,** Huckins, J. F., Kelley, W. M., Heatherton, T. F., & Campbell, A. T. (2018). Tracking Depression Dynamics in College Students Using Mobile Phone and Wearable Sensing. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, 2(1), 43.

Huckins, J. F., **daSilva, A.W.,** Wang, R., Wang, W., Hedlund, E. L., Murphy, E. I., Lopez, R. B., ... & Campbell, A. T. (2018). Fusing Mobile Phone Sensing and Brain Imaging to Assess Depression in College Students: A Proof-of-Concept study. bioRxiv, 276568.

daSilva, A.W. & Heatherton, T.F. The Social Neuroscience of Well-being. (2017). In Maddux, J.E. & Forgas, J.P. (Eds.), Social Psychological Foundations of Well-Being.

Conference Abstracts

Huckins J.F., **daSilva, A.W.**, et al. (2018). Fusing mobile phone sensing and brain imaging to assess depression in college students: A proof of concept study. Center for Cognitive Science Workshop; August. Hanover, NH

daSilva, A.W., Huckins, J.F., Kelley, W.M., Heatherton, T.F. (2016). Negative biases in social processing correlate with current self-esteem and future changes in depression. Social and Affective Neuroscience Society Annual Meeting; March. Los Angeles, CA

Vendemia, Jennifer & **daSilva, A.W.** (2013). fMRI Correlates of Pride and Shame. Council on Undergraduate Research National Symposium; October, Washington D.C.

daSilva, A.W. (2011). Opportunities for Multicultural Students at Iowa State University. ISCORE Diversity Conference; March, Ames, IA

Talks and Presentations

daSilva, A.W. (2018). Making SENSE of stress on college campuses. Presentation at T32 Seminar, Quechee, VT

daSilva, A.W. (2018). An introduction to regression. Lecture in Experimental Design, Methodology, and Data Analysis Procedures, Hanover, NH

daSilva, A.W. (2018). Assessing stress on college campuses with smartphone sensing. Presentation at Social Neuroscience Brown Bag, Hanover, NH

daSilva, A.W. (2017). Negativity bias in processing social information is related to self-affect. Presentation at T32 Seminar, Quechee, VT

daSilva, A.W. (2016). The development of depression on college campuses. Presentation at T32 Seminar, Quechee, VT

Teaching and Consulting

Dartmouth College
Statistical consultant, Dartmouth College Institute for Writing and Rhetoric *Summer 2018*
Experimental Design, Methodology, and Data Analysis Procedures *Spring 2018*
Principles of Human Brain Mapping with fMRI *Winter 2016, 2017*
Laboratory in Psychological and Brain Sciences *Spring 2016*

Departmental Service

Dartmouth College
Center for Technology and Behavioral Health Series Co-Organizer *2018 - present*
Social Brain Science Talk Series Co-Organizer *2016 - 2018*
SONA Experiment Management System Administrator *2016 - 2017*

Memberships

Social and Affective Neuroscience Society

Ad Hoc Reviewer

Social Neuroscience