


MARISSA CLARK

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Quantitative scientist with a passion for understanding human behavior and human interactions. 3+ years experience utilizing statistic methods for inference, prediction, classification and summarization of people-centric data. I thrive working when with others and have a love for plotting and presenting data insights.

EDUCATION

Dartmouth College | PhD Student, Psychological and Brain Sciences | 2018-Current

UCLA | BS in Cognitive Science, Minor in Neuroscience | 2015

AWARDS

NIH/NIDA T32 Predoctoral Fellow (Current)

Strategic Education Partnership Award Fellow (Current)

Finalist in Dartmouth Hackathon (2019) <https://tastespace.shinyapps.io/tastespace/>

First Place in Thayer Consulting Case Competition (2019) Sponsored by Google & McKinsey & Co.

Winner of The Expat Woman's Hackathon in San Francisco (2017) Best use of programming category

TECHNICAL SKILLS

Programming:

Python, R, Bash
familiar with SQL, Matlab,
Javascript, Flask

Reproducible Computing:

Git, Jupyterlab,
rmarkdown, Docker

Statistical Analysis:

Hypothesis testing, Linear
and Logistic Regression,
Multilevel Modeling,
ANOVA, T-test, Chi-square,
Machine Learning

Data Reduction &

Visualization:
Seaborn/Matplotlib,
ggplot, PCA, MDS,
Factor Analysis

EXPERIENCE

Dartmouth College | PhD Student – Computational Social Neuroscience Lab

- Led \$3,500,000 project on understanding how videos evoke unique and shared emotional experiences
- Collected data from 4,000 online participants and 80 participants' brain activity
- Analyzed 130GB of three-dimensional functional neuroimaging data
- Assisted in development of a Flask and SQL web server for data collection
- Performed analysis including shared response modeling, factor analysis and principal component analysis, feature selection and event segmentation using a Hidden Markov Model
- Presented data and analyses for 100+ person audience

Stanford University | Lab Manager / Research Coordinator – Social Neuroscience Lab

- Coordinated scheduling, onboarding and offboarding of 30+ staff members, researchers and students
- Organized financial payments from multiple funding accounts
- Planned networking events in multiple cities during conference attendances
- Led a neuroimaging project analysis studying the effects of speaker engagement on listener empathy

UCLA | Brain Mapping Center Research Assistant

- Maintained and updated software usage documentation on the BrainSuite software
- Supervised and trained undergraduate researchers to perform data analysis on brain segmentations