


MARISSA CLARK

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Summary: Data scientist with a passion for understanding human behavior and human interactions using statistics. 3+ years experience utilizing statistical methods for inference, prediction, classification and summarization of people-centric data. I thrive collaborating with others and excel in data visualization and presentation.

Areas of Expertise: data analysis, data extrapolation, experimental design, data storytelling

EDUCATION

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

UCLA | Bachelors in Science in Cognitive Science, Minor in Neuroscience | 2011-2015

TECHNICAL SKILLS

Programming:

Python, R, Bash,
Scipy, Pandas, Numpy, Tensorflow
familiar with SQL, Matlab,
Javascript, Flask

Statistical Analysis:

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

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 over **4,000 online participants** and **recruited 80 participants** for in-person study
- Analyzed **130GB** of three-dimensional functional neuroimaging data
- Contributed to development of a Flask and SQL web server for data collection
- Performed analysis including data cleaning, 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 (presentation: marissa-clark.com/presentations)

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 5+ 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

AWARDS AND GRANTS

Finalist in Dartmouth Hackathon (2019) Personalized Menu Recommendation System: www.mytastespace.com

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

NIH/NIDA T32 Predoctoral Fellow (Current) Full Tuition and Stipend

Strategic Education Partnership Award Fellow (Current) \$4000 additional Stipend