


# 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](http://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](http://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