Micaela McCall

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☞ github.com/micaelamccall

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Skills

Data Science
- Python (Pandas, NumPy, Scikit, Matplotlib/Seaborn, Plotly)
- R (Tidyverse, Plotly, Shiny, psych, etc.)
- Statistical modeling (univariate and multivariate modelling, parametric and nonparametric statistics)
- Git/Github
- Unix/Linux scripting

Other technical
- FSL (MRI and fMRI preprocessing and statistical analysis)
- Microsoft Suite
- Prism
- MATLAB

Other
- Spanish (proficient)
- Project management
- Collaboration/cross- discipline communication
- Clinical communication

Education

Emory University, Atlanta, GA
B.S. in Neuroscience and Behavioral Biology; B.A. in Religion,
2014-2018
- Graduated with Highest Honors in neuroscience research

Projects/Publications

09-2019   **Exploring Patient Satisfaction and Readmission in Medically Underserved Areas (GitHub)**
FAES @ National Institutes of Health, Bioinformatics and Data Science, Bethesda, MD
- Python, API queries, data mining, visualization

11-2018   **Using Supervised Learning to Classify Drug Consumption Behavior (GitHub)**
FAES @ National Institutes of Health, Bioinformatics and Data Science, Bethesda, MD
- Python, logistic regression, random forest, SVM classification

09-2018   **Pleasant Deep Pressure: Expanding the Social Touch Hypothesis**
National Center for Complementary and Integrative Health, Bethesda, MD
- fMRI data analysis using Python and FSL
- Manuscript in preparation

05-2018   **Honors Thesis: Analyzing Non-verbal Behavior Throughout Recovery in a Sample of Depressed Patients Receiving Deep Brain Stimulation**
Emory University, Atlanta, GA
- R, Factor analysis, analysis of variance, linear mixed effects modeling
- Manuscript in preparation

Experience

06-2018 - Present   **Intramural Research Fellow**
The National Institutes of Health, National Center for Complementary and Integrative Health
Bethesda, MD

- Process and analyze behavioral and physiological data
- Facilitate patient visits by communicating study procedures and addressing concerns
- Conduct quantitative sensory testing and MRI imaging procedures

05-2017 - 05-2018   **Research Assistant**
Emory University School of Medicine, Dept. of Psychiatry
Atlanta, GA

- Analyzed physiological data using AcqKnowledge and R
- Utilized ethograms to collect behavioral data