

Micaela McCall

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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

- Highest Honors in neuroscience research
- Phi Beta Kappa

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