GABRIELLE WALD

gabibmello@gmail.com • (617) 413-0253 • LinkedIn • GitHub

I am a Data Scientist working to surface insights from data sets. I seek to inform the decision making process with science-based methods.

EXPERIENCE

Data Scientist Fellow, Springboard   **Aug 2020 – Present**

- Created project to predict percentage of students passing the standard tests in K-12 public education in CA
- Formulated and tested hypothesis to understand demographic factors in performance
- Found and transformed several files to construct unique data sets
- Applied frequentist technique to answer business questions
- Used machine learning algorithms in classification and regression models

Data Scientist Fellow, DS4A Correlation One   **Oct 2020 – Feb 2021**

This is a Merit-based Fellowship with 5% acceptance rate led by Harvard Prof. Natesh Pillai.

- Co-created capstone project to understand financial impact in K-12 public education in CA
- Run regression models to determine variables of impact and identify confounding factors
- Performed t-test and chi-square analysis for hypothesis testing
- Conducted exploratory data analysis and created meaningful plots to identify patterns

Research Data Analyst, UC Davis   **May 2019 – Jul 2020**

- Ran descriptives and constructed visualization for research in collaboration with the World Bank
- Organized and cleaned data files with over 63k data points in R/Excel for research
- Collaborated with researchers and participated in planning meetings

Research Assistant, Center for Mind and Brain   **Aug 2017 – Oct 2018**

- Ran eye-tracking software SMI, collected and coded infant behavior data
- Screened participants and followed IRB guidelines for research projects
- Trained new RAs on lab procedures and collaborated with the research team

Research Assistant, Center for Mind and Brain   **Aug 2018 – Jul 2019**

- Carried out data collection for behavioral studies
- Administered eye-tracking to study subjects
- Collaborated with P.I., PhD students, and fellow researchers

Vice President of Scholarship, PTK Honor Society International   **Jan 2015 – Jan 2016**

- Partnered with organizations for collaboration on campus projects
- Led weekly meetings with society members to address action items
- Organized and presented induction ceremony to welcome new inductees

EDUCATION

Springboard School of Data, Data Science   **2020 – 2021**

- Selective silicon-valley-based program with over 500 hours of coursework.
- Curriculum includes: machine learning, deep learning, natural language processing, data wrangling, exploratory data analysis, hypothesis testing, pre-processing and training data development, modeling, feature engineering

University of California Davis, BS Cognitive Science   **2017 – 2020**

- 3.65 GPA
- Computer Science and Neuroscience emphasis

PROJECTS

Passing the Standards Projection   **May 2021**

A projection of the percentage of students passing test standards in California K-12 public schools:

- Created unique dataset with test scores, financial investment in education, and several demographics regarding students and their families.

- Modeled the training data to several regression algorithms (Linear Regression, Logistic Regression, Decision Tree, Random Forest, Lasso and PCA)

SKILLS

- Languages: Python (pandas, scikit-learn, NumPy, statsmodel)
- Predictive Modeling: Linear/Logistic Regression, Classification, Clustering, Decision Tree, Random Forest
- Probability and Statistics: Hypothesis Testing(t-test, chi-squared, regression), A/B Testing
- Databases: SQL
- Data Visualization: Jupyter, matplotlib, seaborn
- Version Control: Git, Github
- Data Science Methods: Wrangling, Cleaning, Analysis, Visualization, Storytelling