

Aidan Keyes

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SKILLS

Python: Numpy, Pandas, Seaborn, Matplotlib, Statsmodels, Sklearn
Natural Language Processing, Keras, Git/Github, SQL, STATA

DATA PROJECTS

NFL Player Success

- Scraped thousands of players drafted into the NFL each year over multiple decades, and joined those players with their college statistics to use as features
- Feature engineered many new data points such as average college production by position, per game production, college team record and rank, as well as a target variable of average NFL position grade
- Achieved moderate accuracy scores regressing over a players ProFootballFocus average grade for first four years of NFL play

Natural Disaster Impact on Industry

- Worked with a group to tackle broad data science problem about predicting how industries in a given city are impacted by natural disasters
- Adapted approach to work around numerous obstacles such as certain data points being inaccessible, non-existent, or incomplete
- Used Bureau of Labor Statistics API as data source and performed time series analysis to show impact of natural disasters on industry

Reddit Classification

- Scraped 50,000 posts off of two separate but similar subreddits to be used as data in a classification problem
- Used Natural Language Processing and word vectorizers to engineer features used in modeling
- Modeled and Grid-Searched hyperparameters to achieve an accuracy score of 75% using RandomForest as best model

EXPERIENCE

General Assembly

Boston, MA

Data Science Immersive

November 2018 - February 2019

- Completed immersive full time program, 12 weeks and 400+ hours, covering a wide variety of Data Science topics, including but not limited to regression and classification models, machine learning, natural language processing, and neural networks
- Executed the complete Data Science workflow through various projects and assignments, from data collection and web scraping, to data exploration and cleaning, through modeling and presentation
- Program culminated in a capstone project of my choosing of which I was completely responsible for each part from conception to execution

Oracle

Burlington, MA

Client Success Manager

August 2016 - October 2018

- Managed book of business of up to 30 accounts, totaling up to 10 million in annual recurring revenue
- Proactively engaged with clients throughout the customer lifecycle to drive product adoption and customer satisfaction through onboarding training, cadence calls, KPI tracking, and business reviews
- Identified potential sales opportunities and work with sales teams to facilitate expansions and renewals
- Acted as product specific subject matter expert for Burlington CSM Hub
- Trained new hires and led projects to develop stronger and more strategic engagements with customers

EDUCATION

Boston College

Chestnut Hill, MA

BA in Economics

August 2012 - May 2016

Minor in International Studies