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Data Scientist

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2020 Data Science Resume Guide

Experience

Marketing Science Company – Market Research Analyst Intern
April 2019 - March 2020   Pittsburgh, PA

- Received, cleaned, and prepped data from our client using SAS, SQL, and Excel to help data scientists build marketing mix models that resulted in a lift in ROI of 6 basis points
- Developed a program in SAS that automated refinement of linear regression models for specific segments of a customer base that saves 25 hours of labor each month

Projects

Fantasy Football Modeling

- Wanted to stop losing at fantasy football so I aggregated and prepped 5 years of NFL fantasy football projection data from 6 independent sources into a MySQL database
- Built a random forest model in SAS that combined the disparate sources into one projection that outperformed the mean absolute error of the next best projection by 18%

Movie Recommendation Engine

- Aggregated data from imdb and rotten tomatoes and used k-nearest-neighbors in SAS to build a better movie recommendation system for my snobby tastes
- I save an average of 18 minutes on movie selection relative to my previous methodology

Education

University of Pittsburgh – B.S. in Mathematics and Economics
September 2016 - April 2020   Pittsburgh, PA
Cumulative GPA: 3.7

- Relevant courses: Intermediate programming, Probability & Statistics, Linear Algebra, Applied Econometrics, Game Theory, Calculus 1-3

Skills

- Programming: SAS (base SAS and Macros), SQL
- Modeling:
  - Supervised Learning: linear and logistic regressions, decision trees, support vector machines (SVM)
  - Unsupervised Learning: k-means clustering, principal component analysis (PCA)
- Data Visualization: Excel, Google Sheets