JUSTIN GEE

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OBJECTIVE

Highly-motivated statistical programmer seeking an opportunity to expand my skill set. Adaptable team-player with dynamic problem-solving skills suited for data analysis/science.

EXPERIENCE

Statistical Consultant *Sep 2019 - Dec 2019*
University of Massachusetts Amherst

- Worked closely with clients providing statistical and technical assistance on experimental and analytical projects. Consultations included recommending statistical methods, and experimental design.
- Developed and implemented a variety of statistical methods used for departmental student survey. Topics include survey design, methods for data collection, and hypothesis testing.

TECHNICAL SKILLS

Languages	Java, Python, R, Scala, SQL
Libraries	NumPy, Pandas, Scikit-Learn, TensorFlow
Databases	MySQL, SQL Server
Other Tools	Git, Kafka, Spark, Tableau

EDUCATION

University of Massachusetts Amherst, Amherst *May 2020*
B.S. Mathematics; Concentration in Statistics

RELEVANT COURSES

Probability & Statistical Inference, Statistical Computing, Regression Analysis, Applied Mathematics, Data Analytics & Visualization, Corporate Finance

PROJECTS

Melbourne Housing Market
github.com/justingee193/melbourne-housing-regression

- Used Linear Regression, Decision Tree and Random Forest algorithms in R; predicted the price of a home given its features.
- Conducted data analysis and feature engineering to reveal variable interactions associated with housing prices.
- Achieved RMSE score of 0.22 using Random Forest algorithm.
- Results found home location, type, age and size to be strong features to predict housing prices.

Student Performance Analysis
github.com/justingee193/student-performance

- Performed data analysis on a public dataset about student performance to identify variable interactions associated with final grades.
- Used Python's Seaborn to constructed data visualization and Python's SciPy to use statistical hypothesis tests to gain insight into relationships associated with final grades.

Micro Center Scraper
github.com/justingee193/microcenter-scraper

- Used BeautifulSoup framework for web automation; extracted product data from HTML for data measurement.
- Developed ETL pipelines to build a database hosted on MySQL using Python database interfaces.
- Performed data analysis on product data to evaluate their on-shelf presence along with sales knowledge regarding locations across the country.