Matthew Coleman

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UCSB Statistics and Data Science student with a strong work ethic, great communication skills, and a passion for creating impactful solutions to business challenges and opportunities. Awarded $5,000 to participate in UCSB's NSF funded Central Coast Data Science Fellowship for the 2020-2021 academic year.

WORK EXPERIENCE

BigIron Auctions
Data Science Intern (Remote) July 2020 – Present
- Developing interactive Tableau Dashboards to optimize marketing and sales teams' decision-making through visualization of customer behavior.
- Creating a predictive model in Python to determine and target likely bidders and buyers of equipment.
- Utilizing MySQL server to query data necessary for visualization and prediction.

UCSB Department of Probability and Statistics
Undergraduate Research Assistant January 2020 – April 2020
- Coded formula interface for Wasserstein Regression function in the R package, WRI.
- Authored and coded package vignette which displays the package's functions and usage.

Undergraduate Learning Assistant January 2020 – April 2020
- Enhanced learning experience of 350 students enrolled in *Principles of Data Science in R* course.
- Held individual drop-in office hours and supported computer lab sections to assist students with coursework.

UCSB Department of Probability and Statistics Administrative Office
Transfer Peer Advisor (Remote) March 2019 – Present
- Individually assist 200+ transfer students with admission steps, course clearance, and schedule planning.
- Work with retrieval of information and filing for both major change and degree petitions.

UCSB Baseball
Analytics Intern May 2019 – December 2019
- Assisted UCSB D1 baseball team with player research during 2019 Big West Conference championship season.
- Conducted research and wrote reports tailored to coaching staff concerning player development. Heavy focus on using data analysis in R and Python to improve player performance. Project highlights include:
  - Bat Point of Contact Effects on Offensive Variables Using LOESS Regression (R).
  - Cluster Analysis of Curveballs in NCAA Division I Baseball (Python).

City of San Jose, Parks, Recreation & Neighborhood Services (PRNS)
Community Service Aide & Recreation Leader May 2016 – December 2019

EDUCATION

University of California, Santa Barbara (UCSB)
Statistics and Data Science Major, Spatial Studies Minor September 2017 – June 2021
- 3.77 Cumulative GPA | 3.83 Major GPA | Dean's Honors: Winter 2019, Spring 2019, Fall 2019, Spring 2020
- Completed coursework: Statistical Machine Learning in R, Big Data Analytics with Spark, Bayesian Data Analysis with RStan, Statistical Data Science in Python, Advanced Statistical Models in R, Introductory C++.
- Upcoming coursework: Applied Stochastic Processes, Survival Analysis, Intro to GIS Systems and Science.
- Proficient in GitHub, Jupyter Notebooks, Excel, Tableau, G Suite, MS Office Suite.
- Spanish Biliteracy (speaking, reading, writing).

PROJECT HIGHLIGHTS

- Twitter Hate Speech Classifier (Python/Spark).
- New York Airbnb Price Regression and Median Price Classification using Machine Learning Methods (R).
- Analyzing Factors Which Contribute to Number of Physicians Through Linear Regression (R).