ALEXIS CASAS

Business Analyst

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○ https://github.com/aicasas

EDUCATION

BS in Physics, Minor in Physics Engineering
University of San Francisco

📅 2016 – 2020   ⚲ San Francisco, CA

Minor in Business Analytics
University of San Francisco

📅 2016 – 2020   ⚲ San Francisco, CA

WORK EXPERIENCE

Business Analytics Research Assistant
Business Department, University of San Francisco

📅 Aug 2019 — May 2020   ⚲ San Francisco, CA

– Created academic research presentations for conferences.
– Worked with google APIS and generated transit models in python.
– Assisted in drafting papers for publication in LaTeX.

Physics and Astronomy Assistant and Tutor
Department of Physics, University of San Francisco

📅 Jan 2019 – May 2020   ⚲ San Francisco, CA

– Guided weekly tutoring sessions for Methods of Mathematical Physics and Introduction to Physics.
– Transformed students' understanding of material.
– Developed and enhanced students' analytical techniques.
– Analyzed and reviewed department lecture material, homework solutions and exams before released to students.

RELEVANT COURSES

Quantitative Business Analysis	Data Visualization
Business Statistics	Special Topics in R
Computational Physics	Analytical Mechanics
Calculus I, II, III	Macro and Micro Economics
Financial Accounting	Quantum Mechanics

HONORS & AWARDS

2019-2020	Sigma Pi Sigma
2018-2020	Clare Boothe Luce Scholar
2019-2020	Women in Physics, Communications Chair

PROJECTS

Improving Bzzt Podtaxi Operations
- Applied K-Means, unsupervised learning algorithm to identify different boroughs within Stockholm, Sweden and optimize Podtaxi use.

Coffee and Tea production across the US
- Created Tableau dashboards which identify key areas for business improvement.

Social Network Ads
- Applied KNN, SVM, and Logistic Regression to determine the likeliness an individual would interact with an Ad with high accuracy.

App Popularity: Google vs Apple
- Analyzed app data in python and made projections on which app profiles could be profitable in which market.

Restaurant Reviews
- Used Sentiment Analysis to create a word cloud of common words left for reviews.

CERTIFICATES

Dataquest: SQL Fundamentals
Dataquest: APIs and Webscraping
Dataquest: Python for Data Science

PROGRAMMING SKILLS

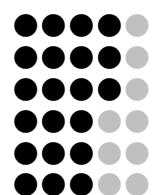|	
Python	●●●●○
R	●●●●○
Tableau	●●●●○
LaTeX & Markdown	●●●○○
HTML	●●●○○
SQL	●●●○○

TECHNICAL SKILLS

Problem Solving	Machine Learning
Regression	Classification
Computational Physics	Time Series
Linear Algebra	Data Cleansing
Differential Equations	Web Scraping