ALEXIA GARCES
DATA SCIENTIST

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ABOUT ME

My extensive background in learning and development has allowed me to see operational challenges as opportunities for organizational growth and improvement. Before and after the launch of any project, I analyzed the data to determine the best path forward. The analysis of key metrics for improvement has always been a fascination of mine. This paired with my love of storytelling has allowed me to seamlessly transition into using data science methodologies to tell an impactful story.

TECHNICAL SKILLS

Python – SQL – Pandas – numpy – scipy – applied statistics – sci-kit learn – Anaconda – Jupyter Notebooks – Seaborn – Matplotlib – Tableau – presentation design – data storytelling – Github, Excel – Time Series Analysis – Machine Learning – MySQL – PowerBI

EDUCATION:

CODEUP   2021

DATA SCIENCE CERTIFICATE OF COMPLETION

Fully-immersive, project-based 22-week career accelerator that provides students with 670+ hours of expert instruction in applied data science. Students develop expertise across the full data science pipeline (planning, acquisition, preparation, exploration, modeling, delivery), and become comfortable working with data to deliver actionable insights to diverse stakeholders.

SOUTHERN NEW HAMPSHIRE UNIVERSITY

BS DATA ANALYTICS

Projected graduation 2022

DATA SCIENCE PROJECTS

Spotify Hit or Flop Prediction Project
Acquired Spotify data to use classification methodologies to create a supervised machine learning model that accurately predicts whether a song will be a Hit or a Flop. Python libraries such as pandas, matplotlib, and seaborn were used to acquire, clean, and visualize data. Statistical testing techniques were used to further explore the data. Model created performed 23% better than baseline at accurately predicting a hit song.

Predicting a Repositary's Programming Language with NLP
With two other group members, we created a model to predict the programming language of a GitHub repository based on the contents of its readme with an 70% accuracy on unseen data. This was a 30% improvement over baseline. To acquire the data we used Beautiful Soup to scrape Guthub for repository information, and NLTK to leverage Natural Language Processing techniques, such as lemmatizing, stemming, tokenizing and vectorizing, in preparation for the data science pipeline.

Predicting Customer Loyalty
Acquired Telco churn data from SQL and completed exploratory data analysis using pandas, matplotlib, and scipy. After exploration and feature engineering, a classification model was created to accurately predict if a customer would remain loyal or not. Key insights were found to create recommendations to improve customer retention.

PROFESSIONAL EXPERIENCE

Sushi Zushi

Senior Corporate/Regional Training Manager   2011 to 2021

Managed all learning and development initiatives. Designed, implemented, and oversaw all training programs for over 15 hourly and salaried positions. Implemented the organization's learning management system (LMS) and transitioned all training materials into eLearning courses. Aligned training initiatives with KPIs to ensure the impact of training on strategic goals. Analyzed performance of training and used findings to improve the effectiveness of training programs. Created data visualizations to report key metrics.

General Manager   2010 - 2011

Oversaw all day-to-day operations for location and managed hiring and training of staff. Analyzed location's KPIs to implement measures to control labor and food cost to be in line with company standards. Increased year over year sales and lowered food and alcohol costs for unit significantly improving location's profit margin.

Certified Coach   2004 - 2010

Trained and developed new team members and was a part of new store opening team. Analyzed customer needs to customize overall experience.