

JOANN BALRAJ

Data Analyst

CONTACT

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ABOUT ME

I am an adaptable team player. I work particularly well under pressure, and love a good challenge. Seeking to leverage data analytical skills to improve corporate performance as a data analyst. My ideal job is where I can have a meaningful impact on the company.

TECHNICAL SKILLS

Python - SQL - Tableau - Applied Statistics - Pandas - Matplotlib - Seaborn - Plotly - Machine Learning - Natural Language Processing - Apache Spark - Data Storytelling - Git - Jupyter Notebooks - Anaconda

DATA SCIENCE PROJECTS

NPR News Sentiment Analysis | March 2022

We explored the sentiment of what has been said on NPR broadcasts over 15 years, and went on to create a predictive model of whether an utterance was spoken by an NPR host or guest. With sentiment analysis, we could see exactly how certain global events had an impact on the mood and neutrality of content, as well as other factors like day of the week and so on.

Github Repository Programming Language Predictor | February 2022

We used natural language processing in order to predict the predominant coding language of a Github repository based on the text of the text of that repository's README.md file. We also created a function that takes in a repository URL and returns the predicted coding language used.

Zillow Clustering | January 2022

The goal of this project is to create a model to predict these Zestimate errors, and deliver our findings in a video presentation. Using Zillow data from Codeup mySQL database, we used clustering to assess what features were drivers of log error.

Codeup Curriculum Traffic With Anomaly Detection | January 2022

Using anomaly detection, we analyzed the Codeup curriculum website in order to see how effective the curriculum really is. Our conclusion was that Codeup is mostly focusing on the subjects that alumni revisit the most. Codeup curriculum appears to be focused in the right direction.

Predicting Climate Using Time Series Analysis | January 2022

Analyzed global land temperatures from 1835 to 2013 to create a Time Series Analysis model using the Previous Cycle and got the forecast of Mexico City for up to the year 2040.

Zillow Regression | December 2021

The goal of this project was to predict values of single unit properties that the tax district accessed using the property data from those whose last transaction was during 2017.

With data obtained from the Codeup database through SQL, we evaluated any features that could improve the regression model that the Zillow Data Science team already had.

EDUCATION

Codeup, Certificate of Completion | September 2021 - March 2022 | San Antonio, TX

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.

EXPERIENCE

Taco Cabana, Team Member | June 2020 - March 2022 | San Antonio, TX

Over the course of the year, I mastered every position; cashier, order taker, line cook, cleaning, inventory, food preparation, serving and taking dine in orders. Because of this experience, I was asked to be shift leader and was always looked to as a reference for decision making. I was also often in charge of shift leader roles, such as assigning positions for other team members and giving them orders. My manager felt I was ready due to my management skills, however it was at that time that I had to take a break from the 40 hour weeks in order to attend school.

Alamo Drafthouse, Food Runner | April 2021 - PRESENT | San Antonio, TX

After coming back to Taco Cabana, I was presented with a better opportunity at Alamo Drafthouse by a coworker. In this role, I help anywhere someone needs me. My roles include running food/drinks from the kitchen to the appropriate theater and seat, cleaning and closing duties, taking orders when the server is busy, cleaning theaters, customer service, etc.