

NATASHA RIVERS

DATA SCIENTIST

TECHNICAL SKILLS

SQL - Pandas - Numpy - Matplotlib - Seaborn - Storytelling - Git - Python - Tableau - Machine Learning - NLP

ABOUT ME

I am a driven individual who believes in hard work. In my previous career, I was known as a highly effective leader who accomplished goals. I was driven to data science because of it's potential to help accomplish seemingly impossible tasks.

EDUCATION

Codeup, Certificate of Completion
San Antonio | September 2021

UTSA , Kinesiology
40 total credits
San Antonio | 2007- 2009

Northwest Vista, General Studies
55 total credits
San Antonio | 2005- 2007

CONTACT



210-875-7031



natasha.tanya.rivers@gmail.com



/natasharivers



/natasha-rivers

PROJECTS

ATTENTION WALMART SHOPPERS

SEPT 2021

Our team acquired a Kaggle open-source dataset which consisted of nearly three years of Walmart sales data. Our goal is to predict weekly sales in order to improve inventory and the customer experience. After extensively cleaning and prepping the data, we were able to create a 2nd degree polynomial regression model that outperformed our baseline RMSE by 29.12%.

NATURAL LANGUAGE PROCESSING

AUG 2021

In this group project, we sought to predict what programming language a GitHub repository is, given the text of its README. Several functions were created to remove null data, lemmatize the data and remove stop words. Ultimately, our Decision Tree Classifier with TF-IDF vectorization performed with an accuracy of 64%, outperforming our baseline of 44%.

INDIVIDUAL PROJECT

JULY 2021

My goal for this project was to be able to accurately predict the age of individuals who would have drug overdose deaths in Connecticut using the Regression Methodology. I used Python to acquire, prepare, explore, and model the data. Matplotlib and Seaborn were used to create the visualizations throughout the project. Ultimately, my best performing model was the OLS model which had an RMSE of 12.38 years and an R squared value of 0.024.

WORK EXPERIENCE

Texas Department of Criminal Justice, Lieutenant

MARCH 2020 - SEPT 2020

Was responsible for an entire shift of Officers and Sergeants (roughly 60 staff) who were in charge of the safety of thousands of offenders in the State's care.

Texas Department of Criminal Justice, Sergeant

APRIL 2017 - MARCH 2020

Served as a Training Sergeant for the Southern Region of Texas. I was in charge of ammunition inventory for In-Service training and defensive tactics.