Rating Predictions

For Ordering And Delivery

My **stakeholders** are New York diners seeking excellent restaurant options. I'm solving the problem of helping them make informed dining choices by predicting restaurant ratings using **Machine learning**

1898

Rows

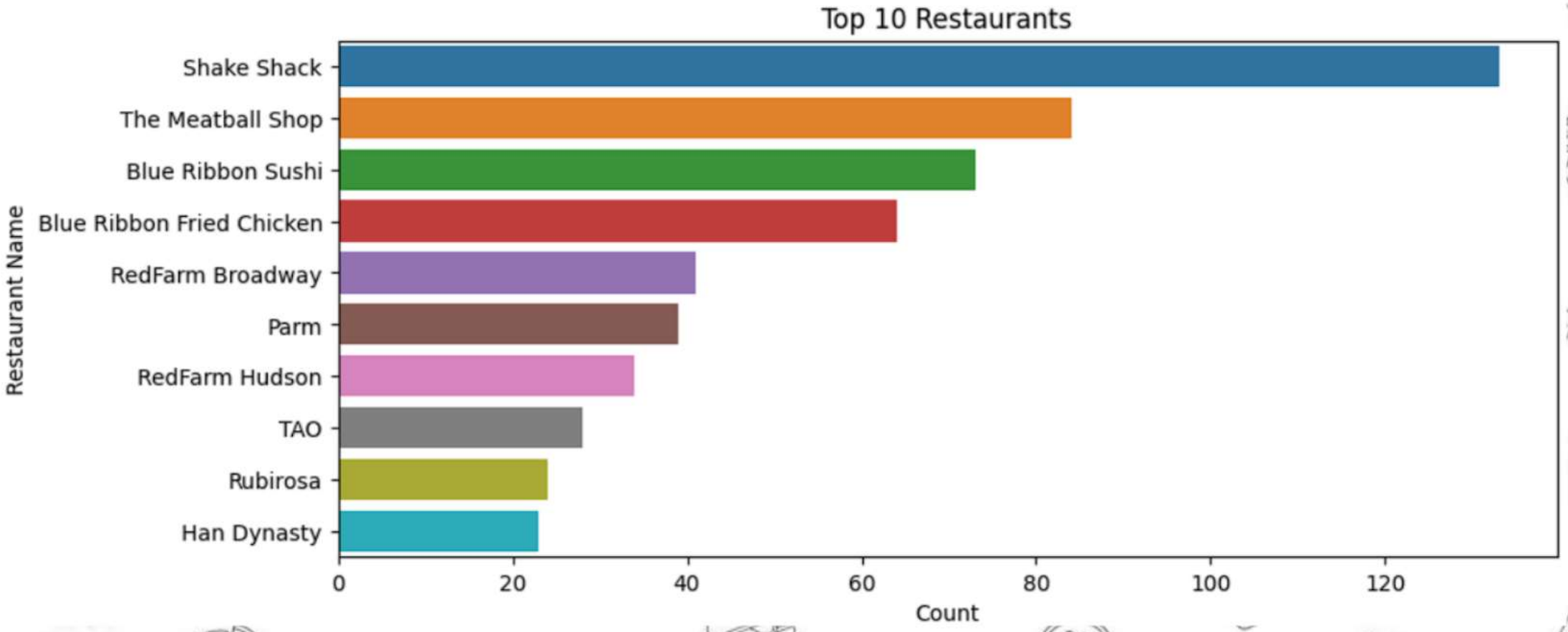
9

Columns

www.kaggle.com

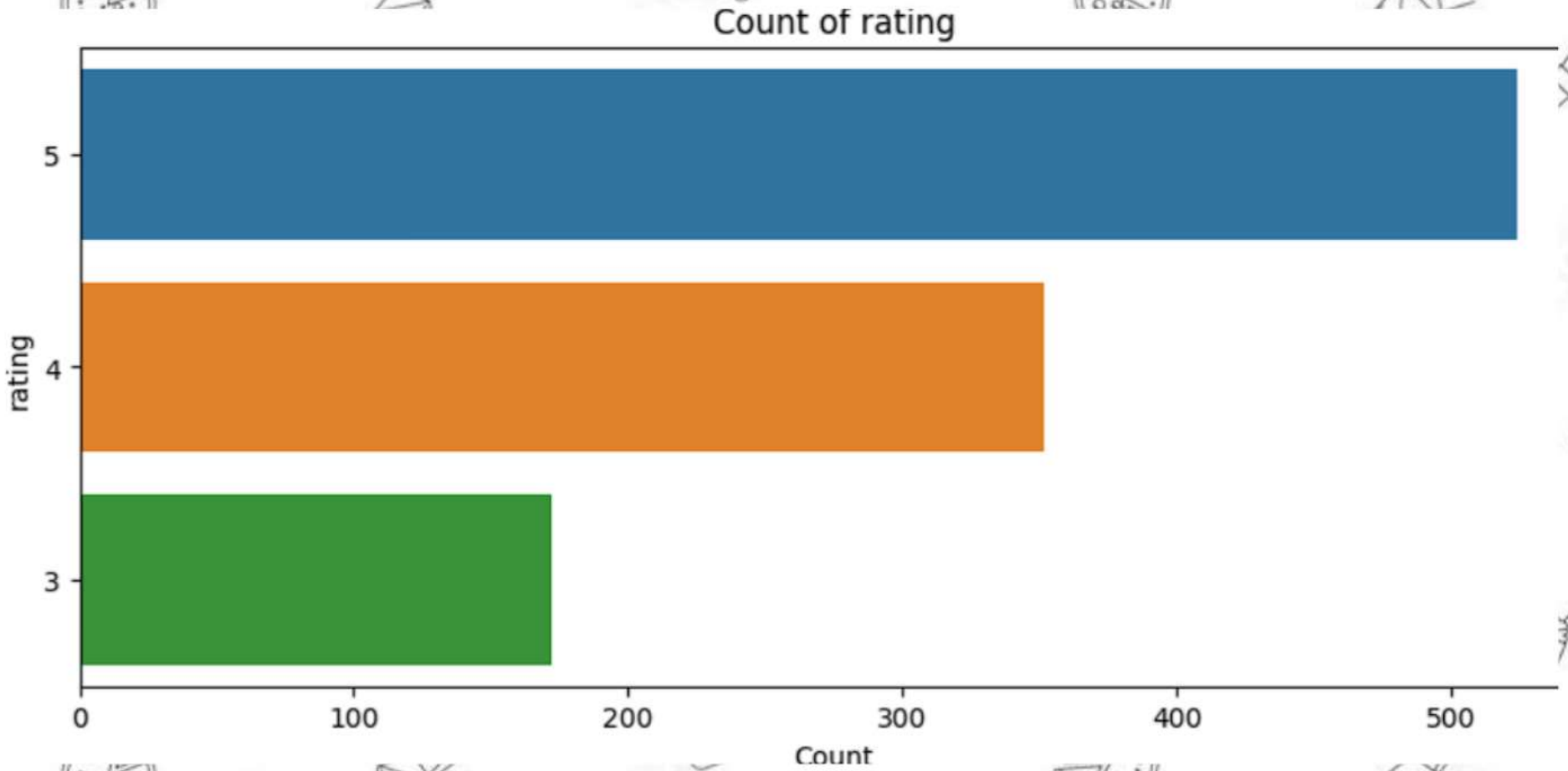
The NYC Restaurants Data for Food Ordering and Delivery unveils New York City's culinary scene, offering insights into customer preferences, restaurant performance, and food delivery dynamics.

Top 10 Popular Restaurants in New York City



Above is the top ten popular restaurants , in order, are Shake Shack, The Meatball Shop, and Blue Ribbon Sushi.

Distribution of Customer Ratings



Ratings in the dataset are limited to three discrete values (3, 4, and 5 stars), with the majority of customers giving 5-star ratings, and the minimum possible rating being 3 stars.

Strengths & Limitations

My model has strengths in raiting prediction but is limited by a small training dataset. With an accuracy of 0.49 and false positive and false negative rates around 0.32, it may generate both unnecessary actions and missed raiting for stakeholders. Balancing precision and recall is crucial. To enhance our model, we'll expand the training data using data augmentation techniques, improving accuracy for stakeholders.

RECOMMENDATIONS

I recommend making changes to the input features, adjusting model settings, or trying different methods for predicting ratings in food ordering and delivery to improve the accuracy and reliability of your predictions.

Thank You

Dhia Ben Marzouk

Adresse.de.dhia@gmail.com