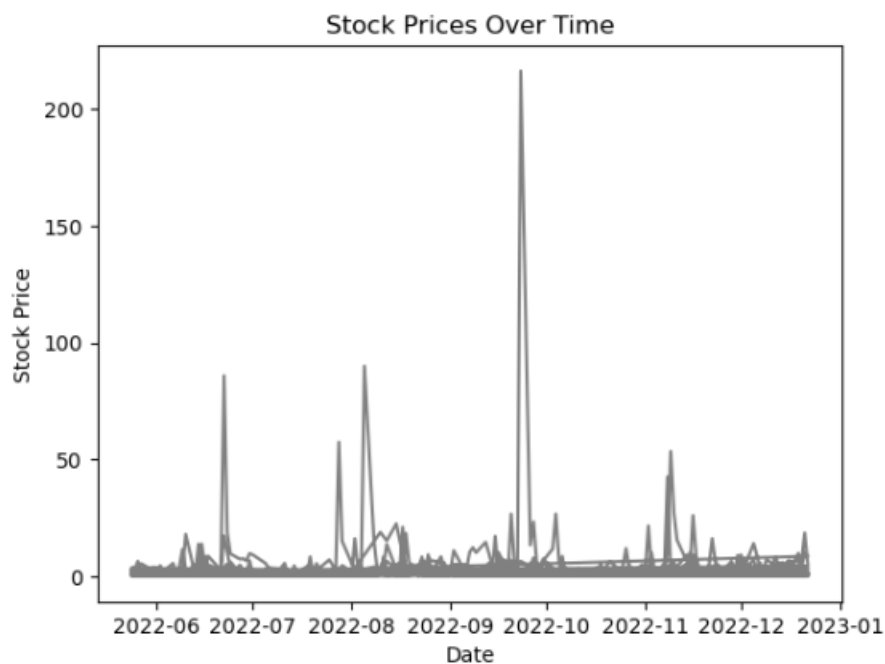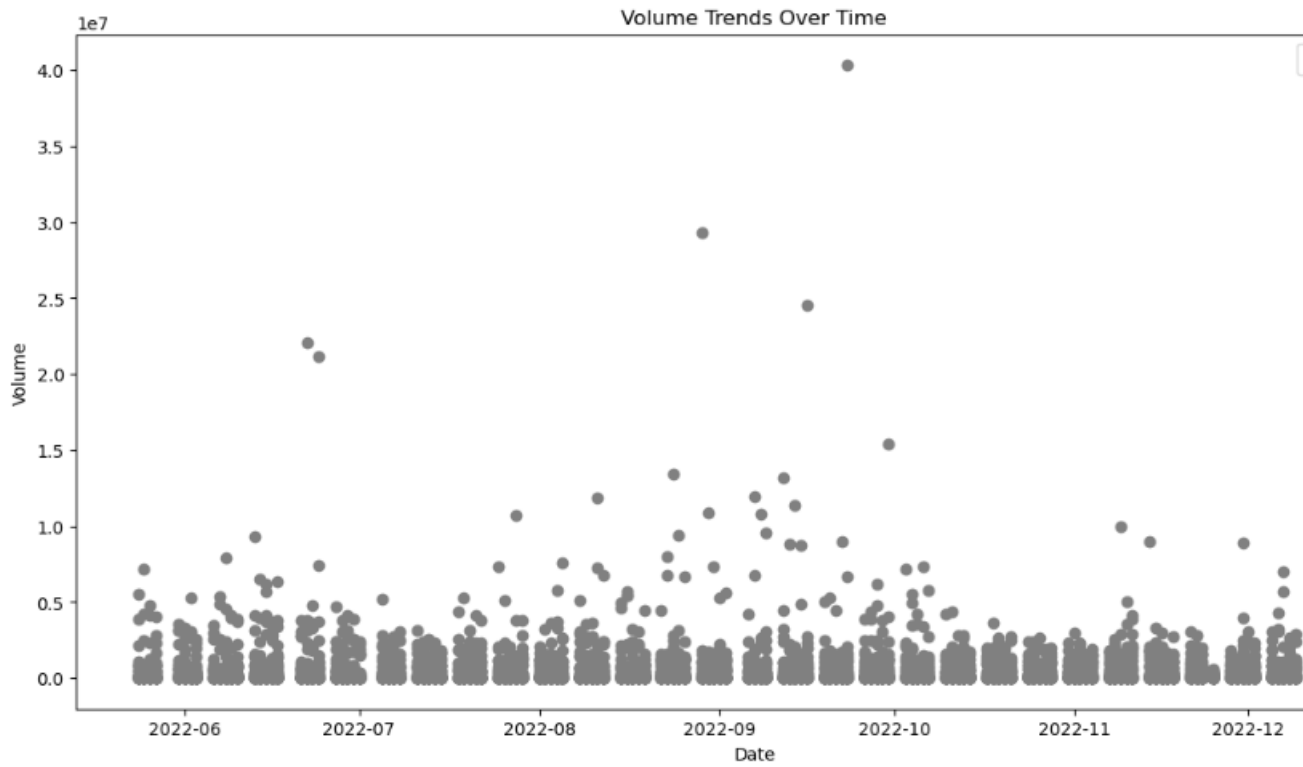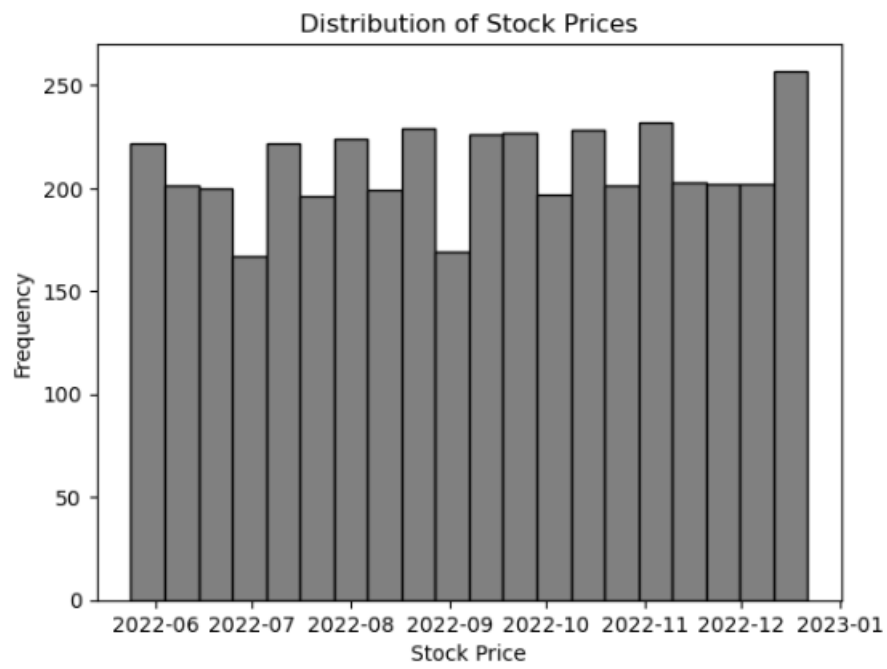# STOCK MARKET PREDICTION

(sheema7)

1. Introduction

The purpose of this project is to analyze historical stock data and predict stock prices using machine learning. In this documentation, we will walk through the various steps involved in the analysis, starting from data exploration and visualization to building a predictive model.
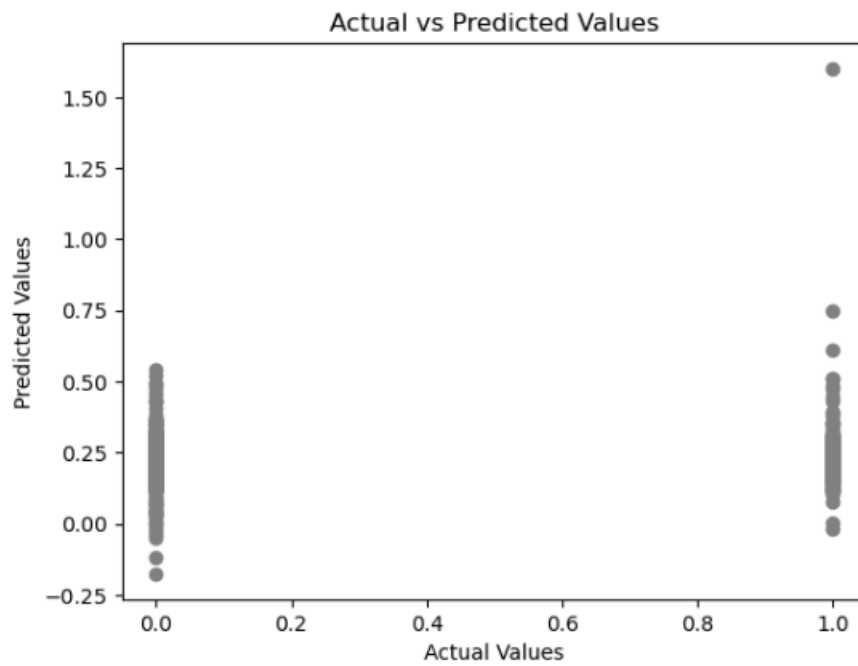
2. Data Loading and Exploration

The first step is to loading the provided data set. We utilize the pandas library to create a DataFrame, enabling easy manipulation and analysis of the datatset.

3. Data Visualization

Distribution of Stock Prices

Volume Trends Over Time

4. Predictive Modelling

Actual vs Predicted Values

5. Conclusion

In this documentation, we covered the entire process of stock data analysis, from data loading and exploration to visualization and predictive modeling. The code provided is well-documented and includes visualizations to enhance understanding. Additionally, a linear regression model was built and evaluated for stock price prediction.