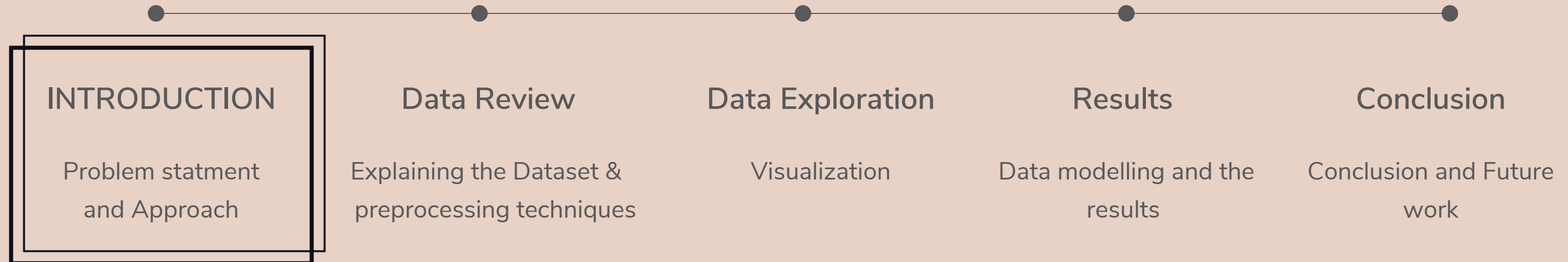


Predicting Apple Stocks Closing Price

NOURAH ALSAADAN

content



Introduction

Problem statement and approach

Problem statement and Approach

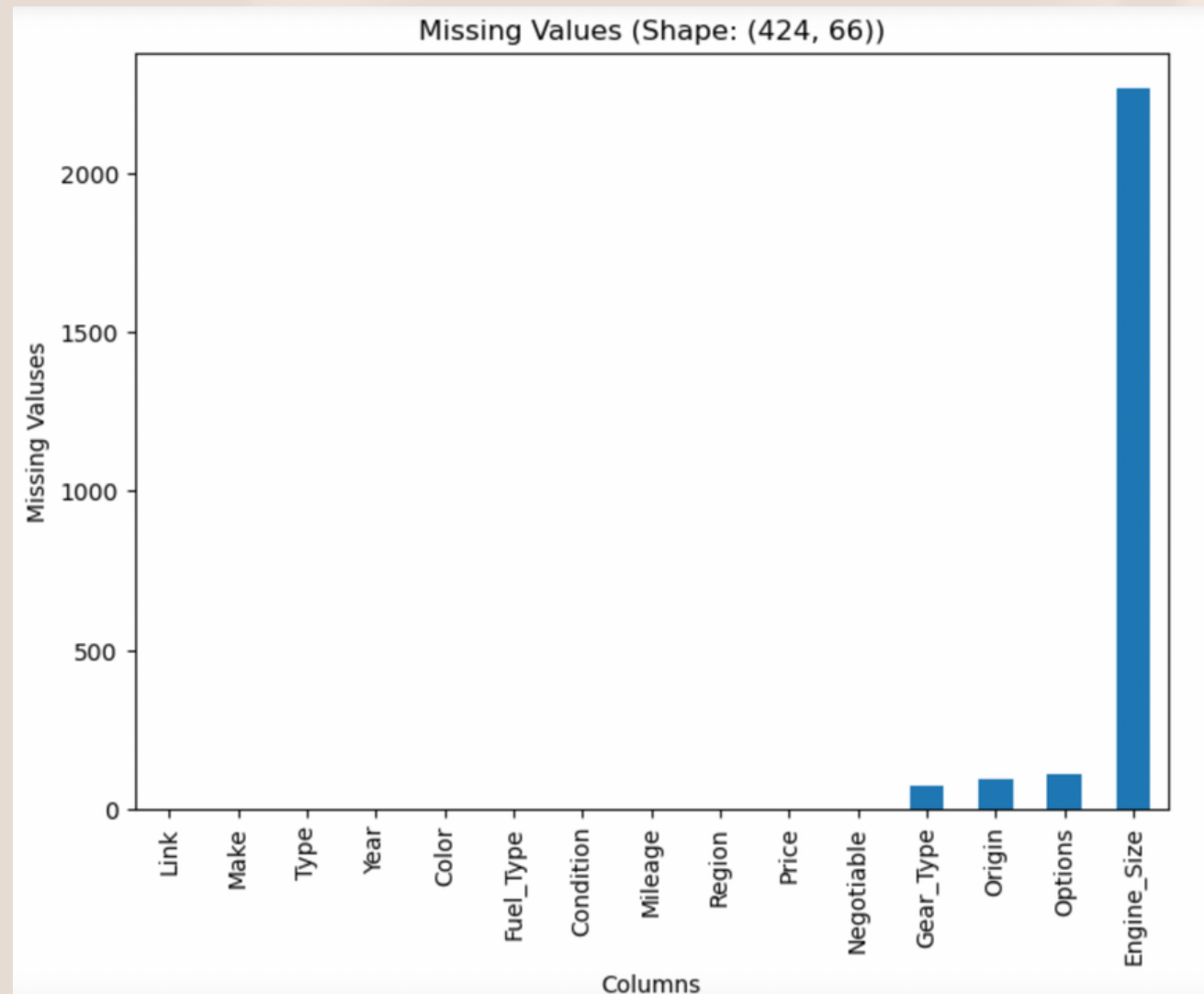
Stock Price Prediction using machine learning helps to discover the future value of company stock and other financial assets traded on an exchange. The entire idea of predicting stock prices is to gain significant profits.



content



Used Cars Dataset



Missing Value with more than 20%
String data in the Target column + 20%



Data Review

Data Source

Apple Stocks Dataset which was used in this case study has been taken from Yahoo Finance.

Variables and Explanations

Date
Open
High
Low
Close
Adj Close
Volume



Date
Opening Price
Highest price
Lowest price
Closing price
The adjusted closing price
Number of shares

7 columns and 8050 Rows

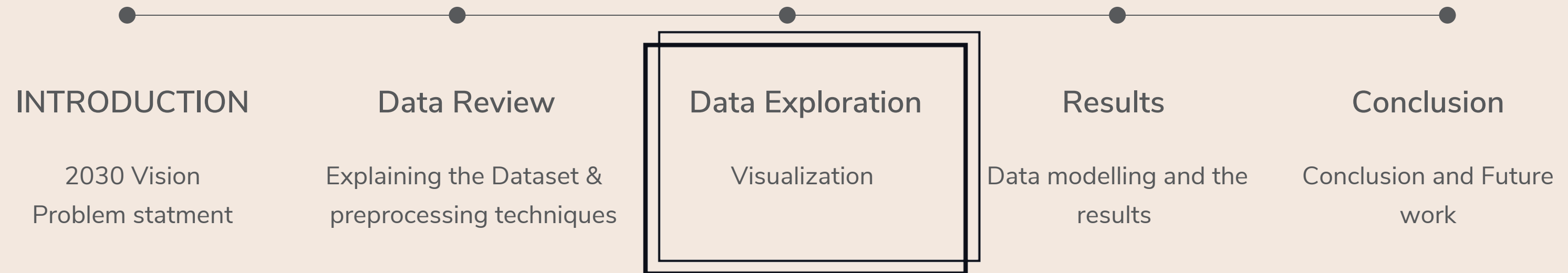
Data preprocessing



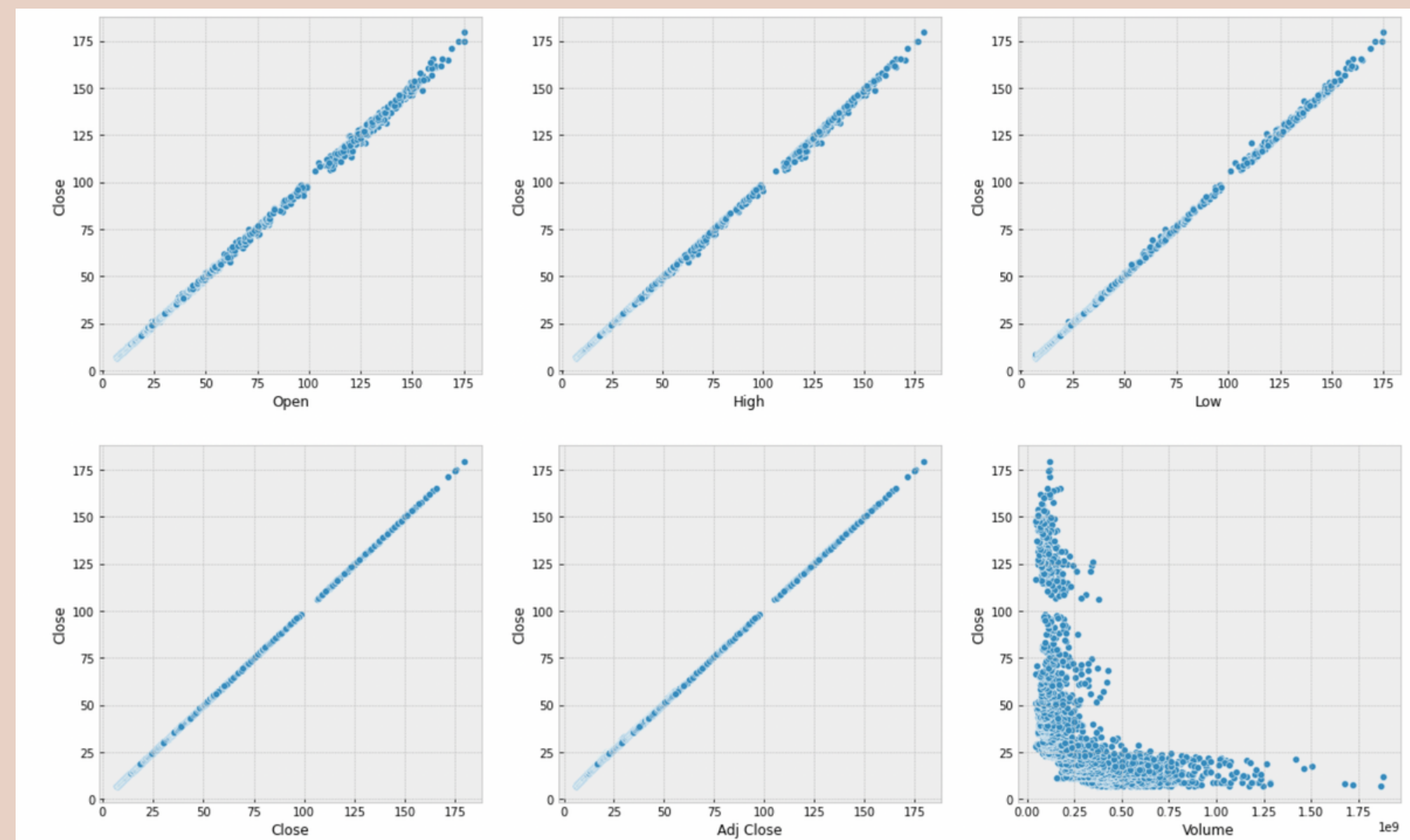
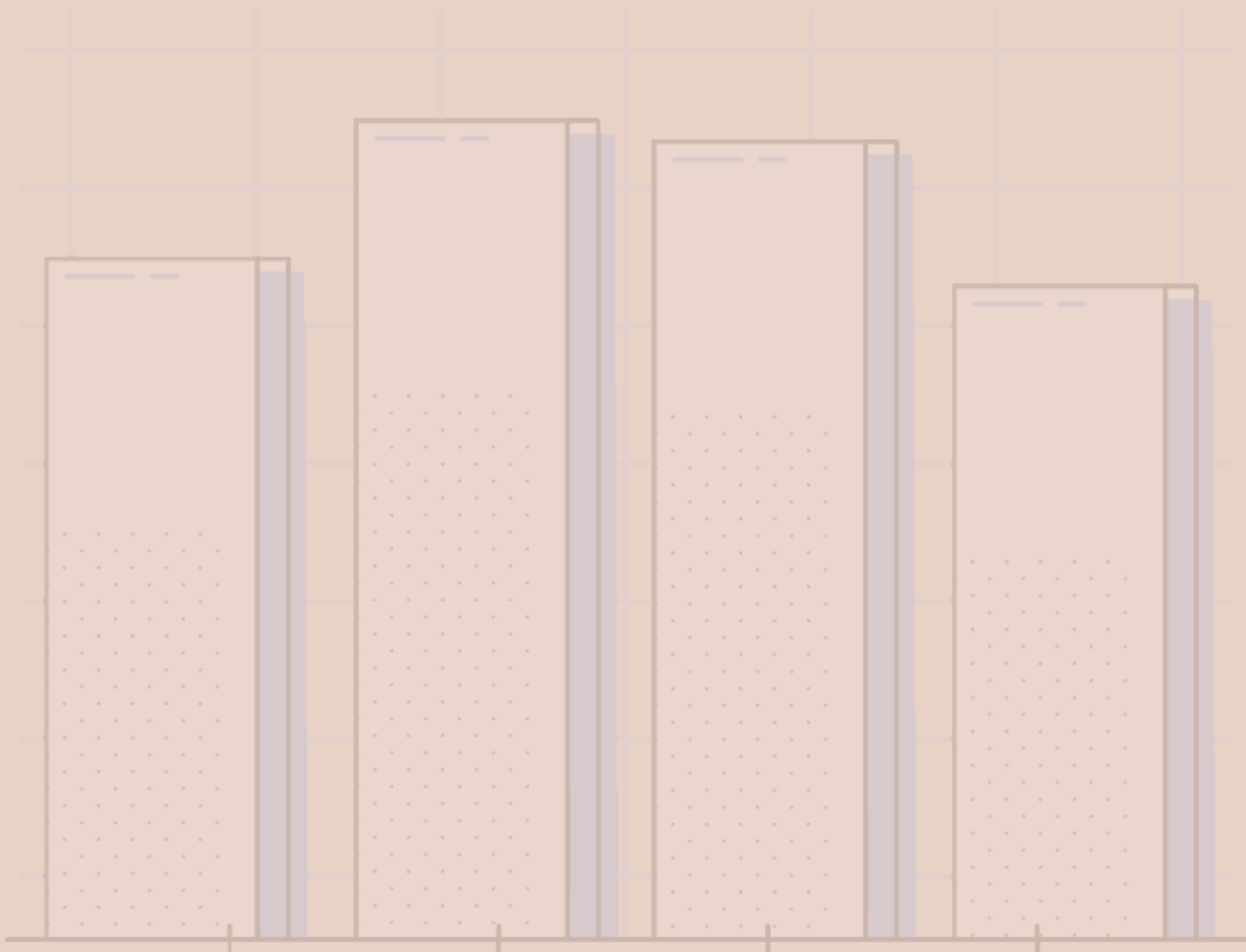
Data cleaning

- 1 - Missing Data
- 2 - Noisy Data
 - Column names
 - Duplicates

content

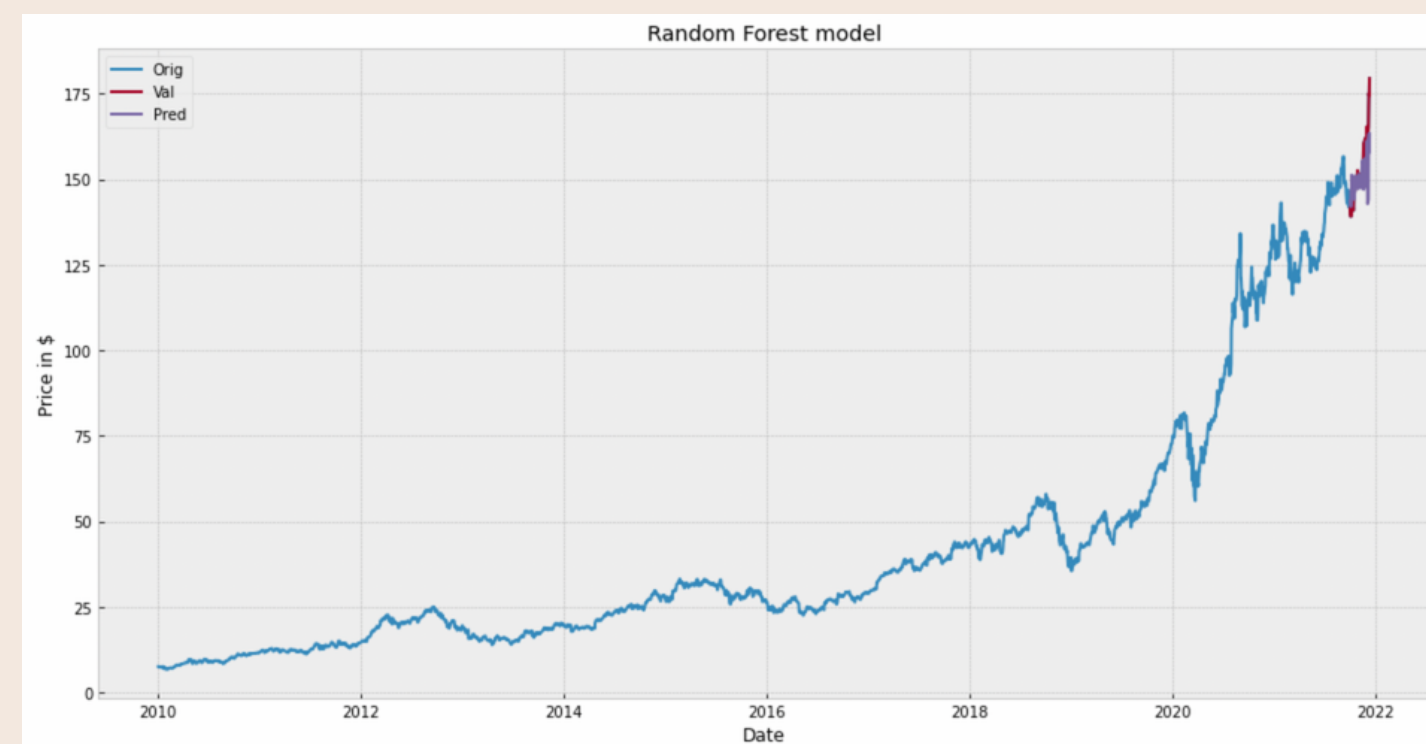
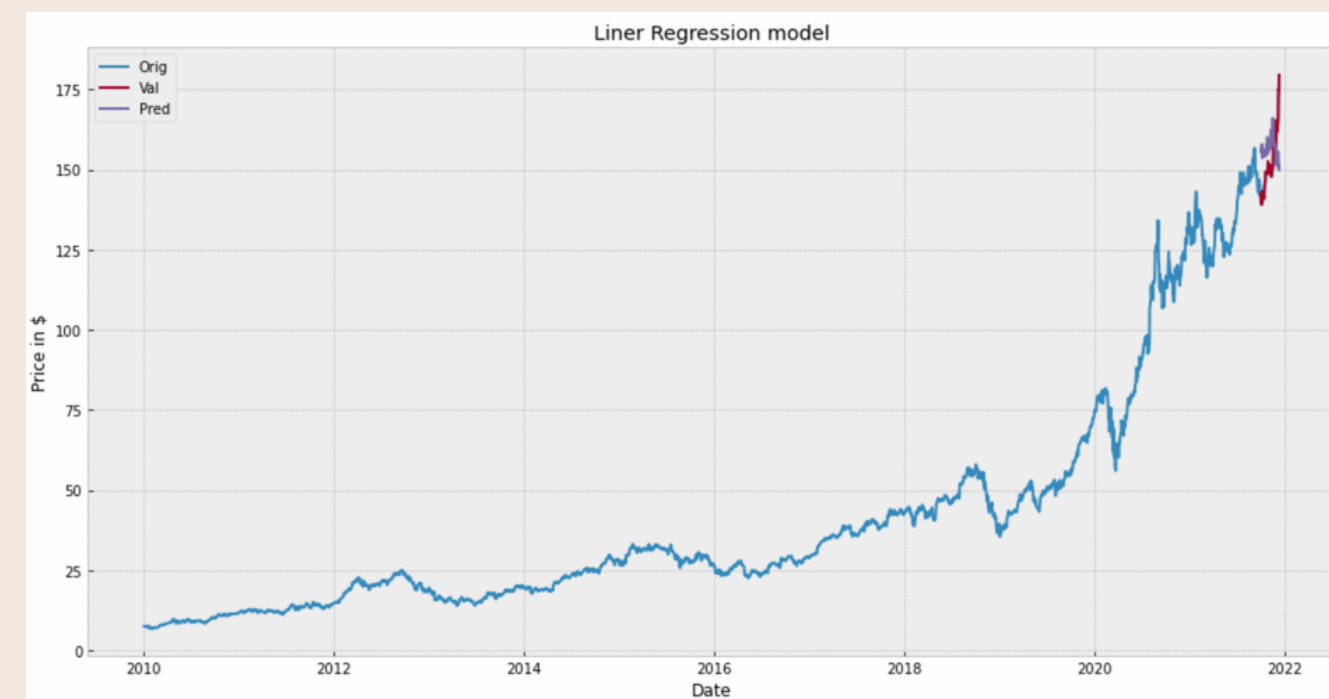
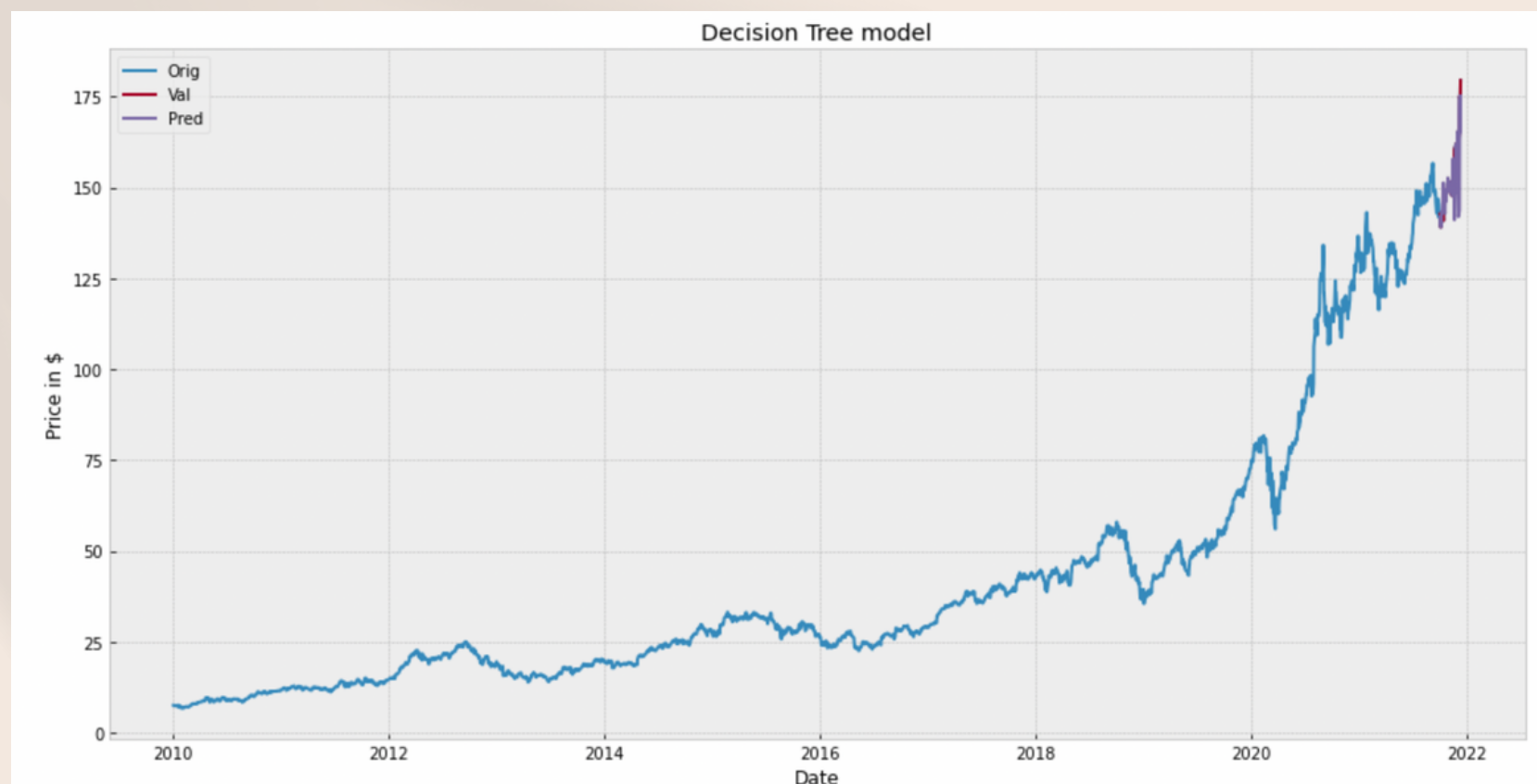


Visualization



content





Models Results



content



Conclusion and Future work

The results shows that the decision tree gave the best results.

For the future work we will use other models such as:

- ARIMA is one such model that is used for predicting futuristic time-related predictions.
- LSTM is also one such technique that has been used for stock price predictions.



Thank you for listining

Any Question

