

Analysis Report

Data set used: Stock Market Analysis of Airbnb, Inc. (ABNB) from it's Founding / Listing Years which is 2020 to 2022

Source : Kaggle (source link is [this](#))

Dimensions :

Data Dictionary

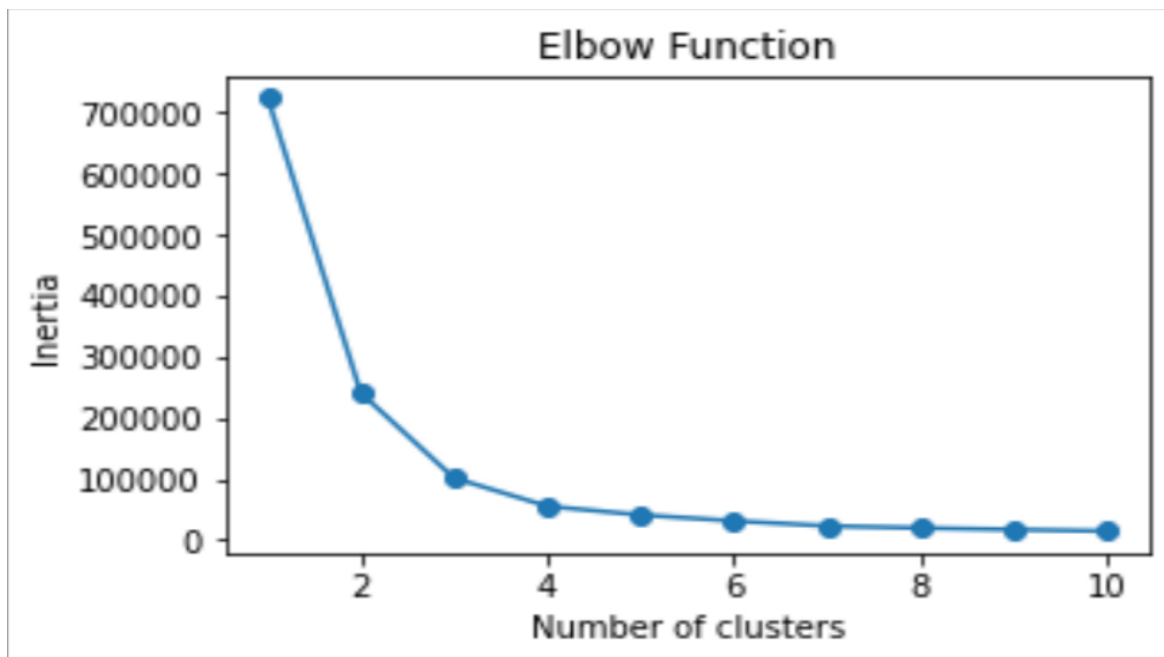
Columns	Description
Date	Date of Listing (YYYY-MM-DD)
Open	Price when the market opens
High	Highest recorded price for the day
Low	Lowest recorded price for the day
Close	Price when the market closes
Adj Close	Modified closing price based on corporate actions
Volume	Amount of stocks sold in a day

Specific dimensions used:

Open (Price when the market opens)

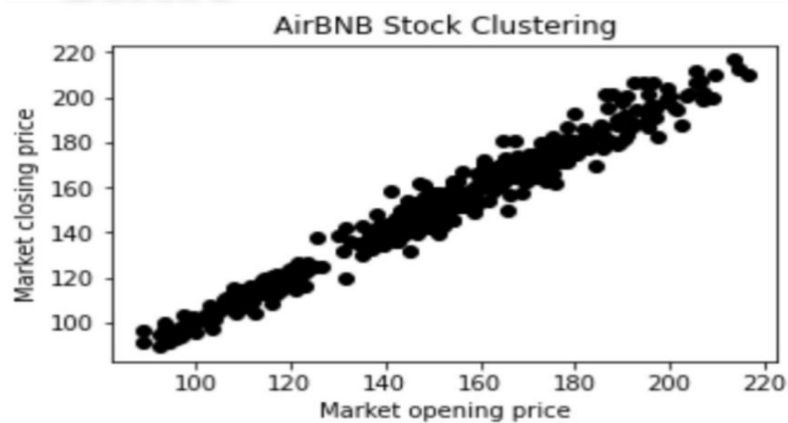
Close (Price when the market closes)

Parameter for K-means: Firstly, elbow function was used to determine the turning point, which in result gave us the value of the parameter in K-means function (which in this case is 2).



after putting 2 in K-means built-in function of python we get the clustered data as:

Before



After

