ECS 273: Visual Analytics

HW#1: Collecting data and conducting simple explorative analysis

Name: Shaik Haseeb Ur Rahman
UID: 924142853

Task 1 | Part 2

In the below table, the first column represents tickers of the 20 stocks provided in the questionnaire. The second and third columns represent the Mean and Standard Deaviation respectively, of all the closing prices of the stocks over a period of 2 years.
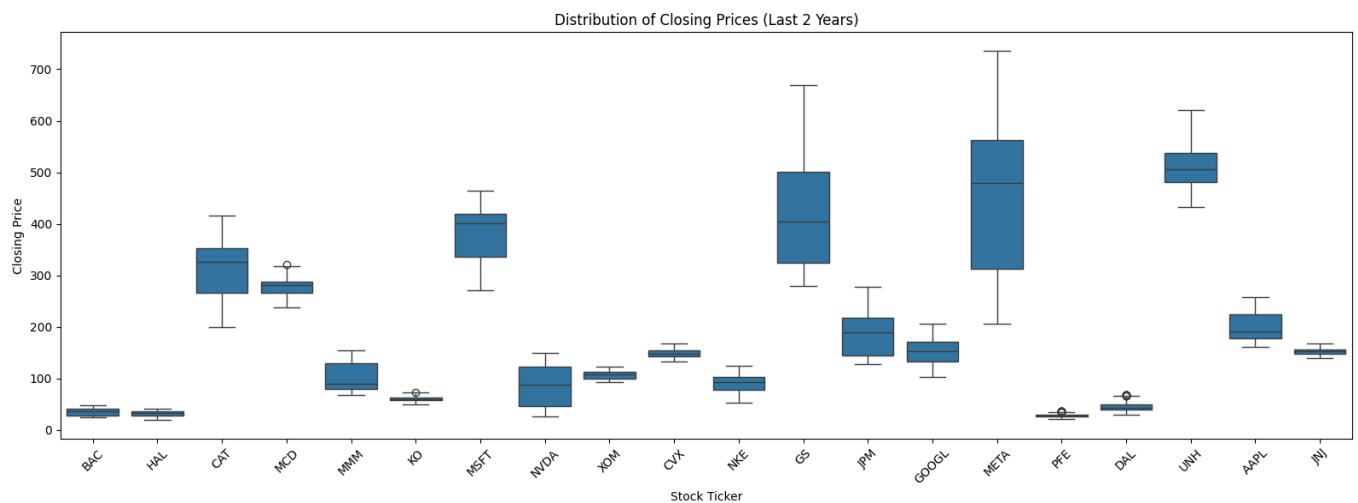
Ticker	Mean_Close_Price	SD_Close_Price
AAPL	199.98	25.65
BAC	35.38	6.72
CAT	311.19	55.9
CVX	148.55	7.24
DAL	45.86	9.54
GOOGL	152.15	23.85
GS	428.39	105.97
HAL	32.61	4.71
JNJ	152.33	6.59
JPM	186.67	41.43
KO	61.02	5.2
MCD	278.44	17.35
META	448.66	133.23
MMM	102.27	26.66
MSFT	384.96	45.04
NKE	90.97	15.06
NVDA	86.63	39.08
PFE	28.23	3.22
UNH	512.89	40.71
XOM	107.39	7.24

Figure 1: Table listing the mean and standard deviation of the Close price for each stock

Below is the **box plot visualization**, which represents the **distribution of closing stock prices over the past 2 years** for 20 companies provided in the task:

- The **x-axis** represents the **stock ticker symbols (e.g., AAPL, META, JPM)**, each corresponding to a different company.
- The **y-axis** shows the **closing stock price**, capturing the range of daily closing values for each stock for the past 2 years.

Figure 2: Box Plot Visualization
comparing the stock price distributions