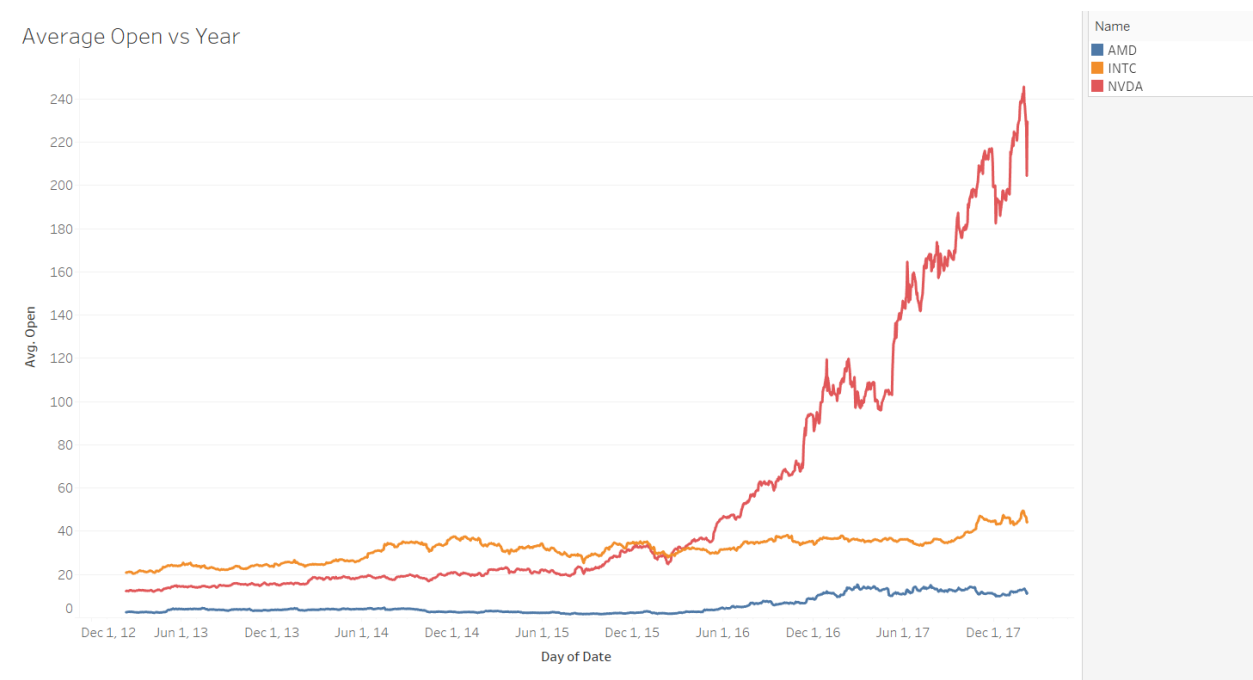Balabadrapatruni Shyam Sunder
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Data Visualization
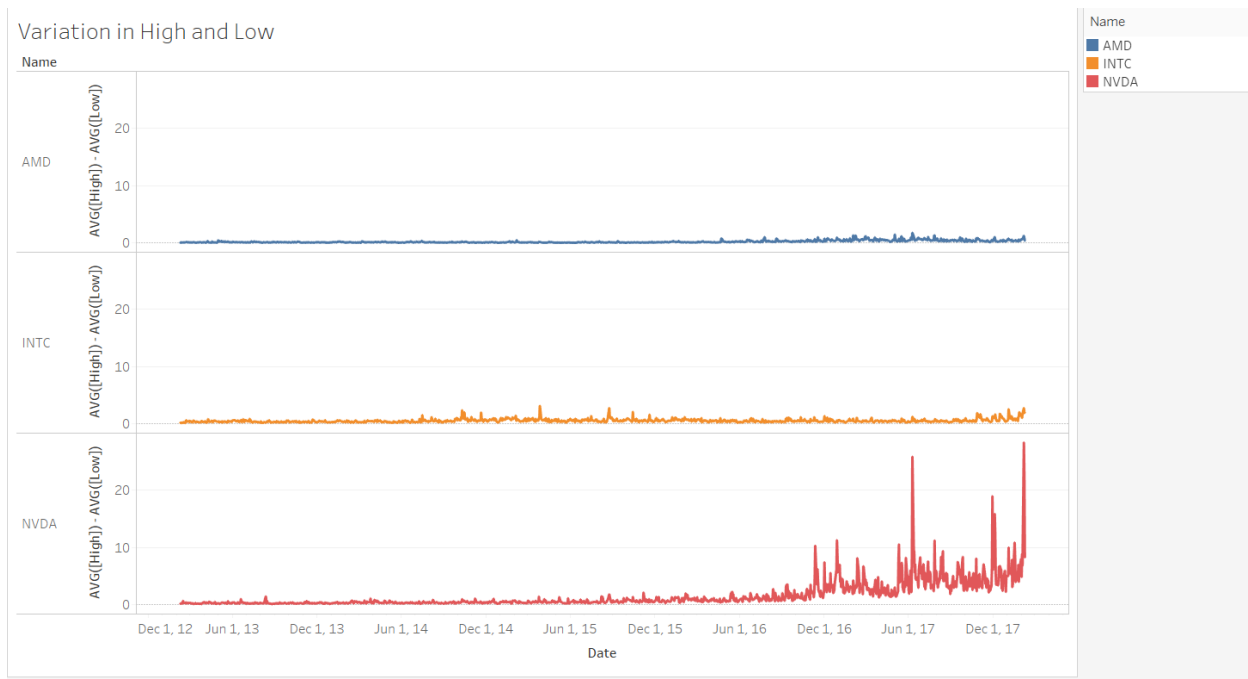
Assignment – 1

Data Set

The Excel sheet includes the historic prices of many stocks. Each entry includes the trading date, open price, the high price of the day, the low price of the day, the price at the close, volume of shares traded the day, and the symbol of the stock.

Visualization

Graph 1

Graph 1 visualizes the average open value vs Time. From the graph we can understand that, the companies Intel, AMD, and NVDIA have performed almost equally with each other until Dec 2015. From Dec 2015 we can see that the performance of NVIDIA has been increased and their stocks value has risen from 30 to 240 in the duration 2015 to 2017. Where as the companies AMD and INTEL have been almost constant with some variation between them.

Graph 2

Graph 2 visualizes the fluctuations in the value of a stock. As we see from the graph the fluctuations of AMD and Intel are very low and have been constant throughout the time frame. Whereas, the variation of Nvidia stocks have been varying a lot from the year 2016 to 2017. This represents the company progress and performance

- We have taken same scale for the all the companies we chose, which helped in easy comparison between the value of stocks and their fluctuations.
- The graph represented has clear labels and effectively conveys the data through a graphical representation
- We have effectively used the data visualization tools to visualize the large amount of data without any graphical distortion and ambiguity.

Tools Used

Excel: Excel Spreadsheet is used to view the raw data.

Tableau: Tableau is a Business Intelligence tool for visually analyzing the data. Users can create and distribute an interactive and shareable dashboard, which depict the trends, variations, and density of the data in the form of graphs and charts. Tableau can connect to files, relational and Big Data sources to acquire and process data.