VISUALIZATION SCREENSHOTS

SHUBHADIP CHAKRABARTI

VIT CHENNAI

EXTERNSHIP PROJECT – DATA ANALYTICS

The upcoming screenshots relates to the various visualizations constructed from the different aspect combinations.

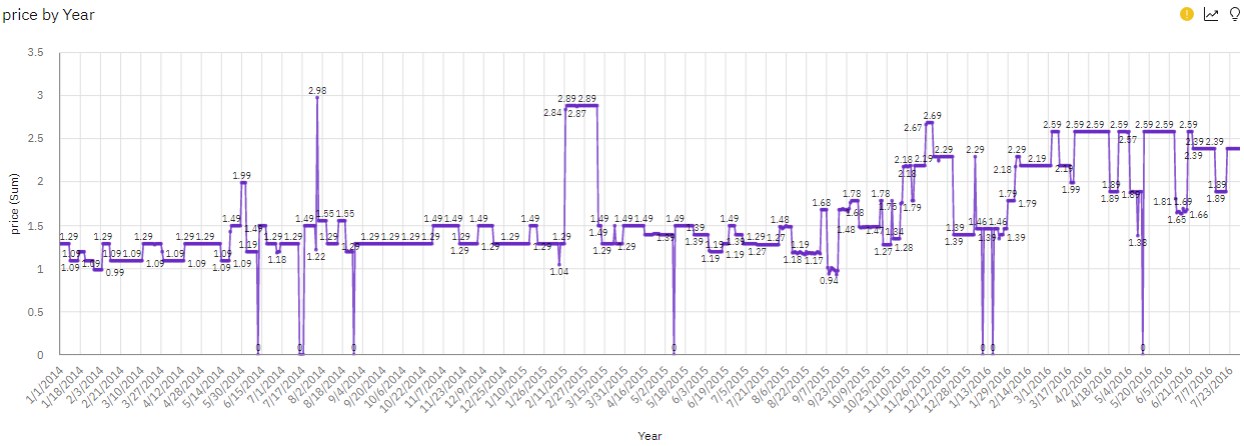

Figure 1: Year wise Price using Line Graph

- A line graph is constructed between the Year and Price factors. The year being the independent factor is taken on the X axis while the Price being the dependent factor is taken on the Y axis.
- The properties of the constructed graph are then tweaked by performing some operations on it. This tweaking led to better representation of the data.
- The past data was also interpolated (forecasting) to enable the higher authorities have a better grasp on the possible future trends.

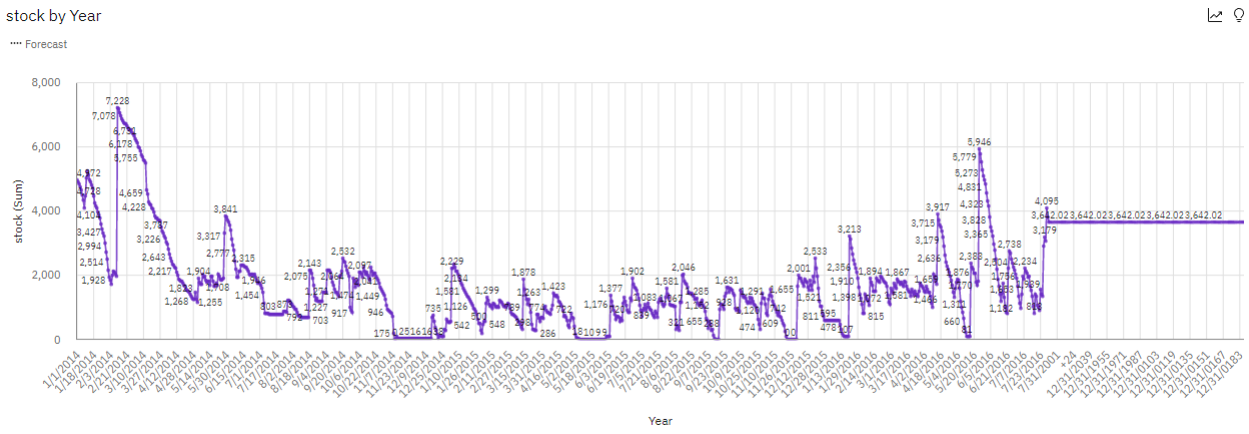

Figure 2: Year wise Stock using Line Graph

- A line graph is constructed between the Year and Stock factors. The year being the independent factor is taken on the X axis while the Stock being the dependent factor is taken on the Y axis.
- The properties of the constructed graph are then tweaked by performing some operations on it. This tweaking led to better representation of the data.
- The past data was also interpolated (forecasting) to enable the higher authorities have a better grasp on the possible future trends.

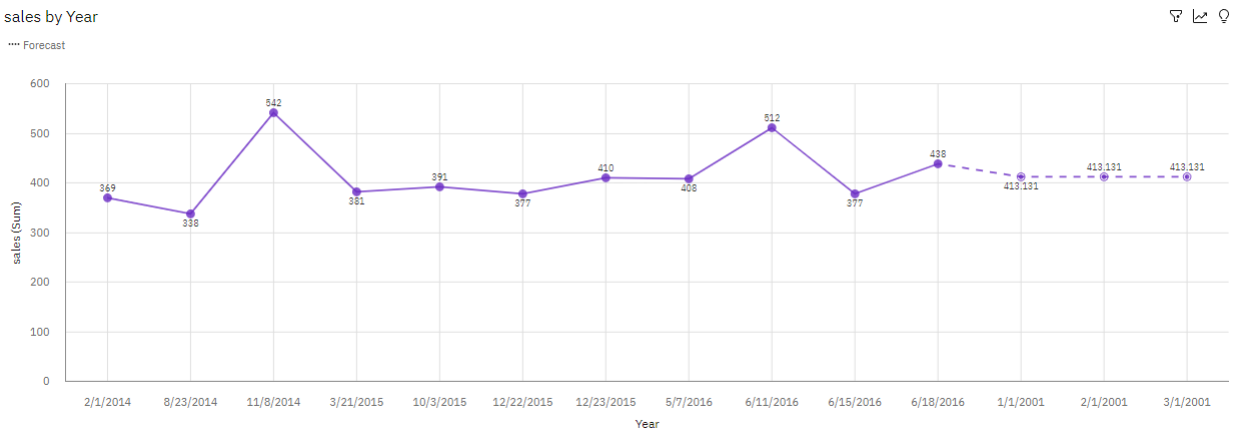

Figure 3: Top 10 Sales by Year using Line Graph

- A line graph is constructed between the Year and Sales factors. The year being the independent factor is taken on the X axis while the Sale being the dependent factor is taken on the Y axis.
- The obtained line graph is then subjected to filtering operations. The graph is modified to display only the top 10 sales (along with the values) that happened in the past.
- The properties of the constructed graph are then tweaked further by performing some more operations on it. This tweaking led to better representation of the data.
- The past data was also interpolated (forecasting) to enable the higher authorities have a better grasp on the possible future trends.

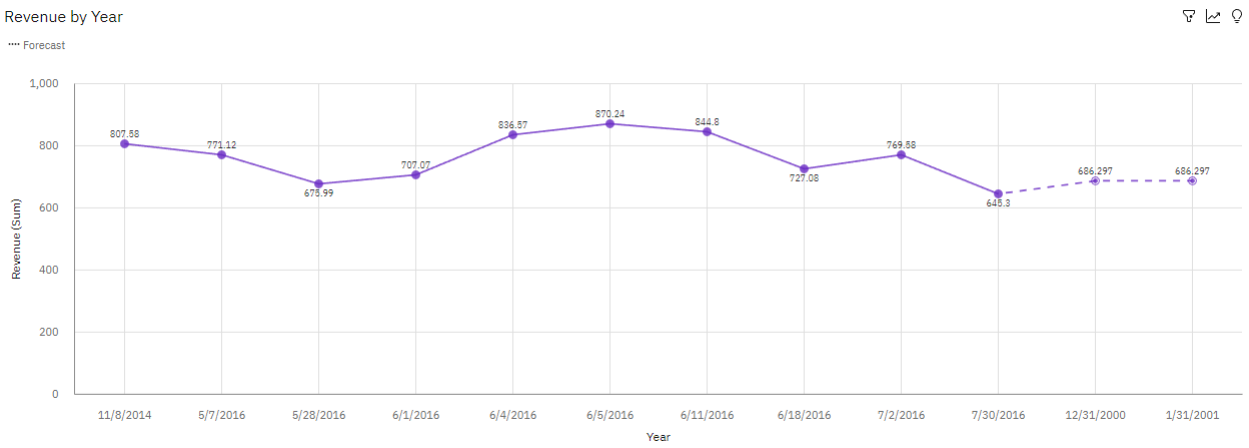

Figure 4: Top 10 Revenue by Year using Line Graph

- A line graph is constructed between the Year and Revenue factors. The year being the independent factor is taken on the X axis while the Revenue being the dependent factor is taken on the Y axis.
- The obtained line graph is then subjected to filtering operations. The graph is modified to display only the top 10 revenues (along with the values) generated in the past.
- The properties of the constructed graph are then tweaked further by performing some more operations on it. This tweaking led to better representation of the data.
- The past data was also interpolated (forecasting) to enable the higher authorities have a better grasp on the possible future trends.

Figure 5: Monthly Stock using Heat Map

- Heat Map visualization is constructed for Monthly Stocks using the IBM Cognos Analytics tool.
- The properties of the developed visualization are then tweaked further by performing some operations on it. This tweaking led to better representation of the data.

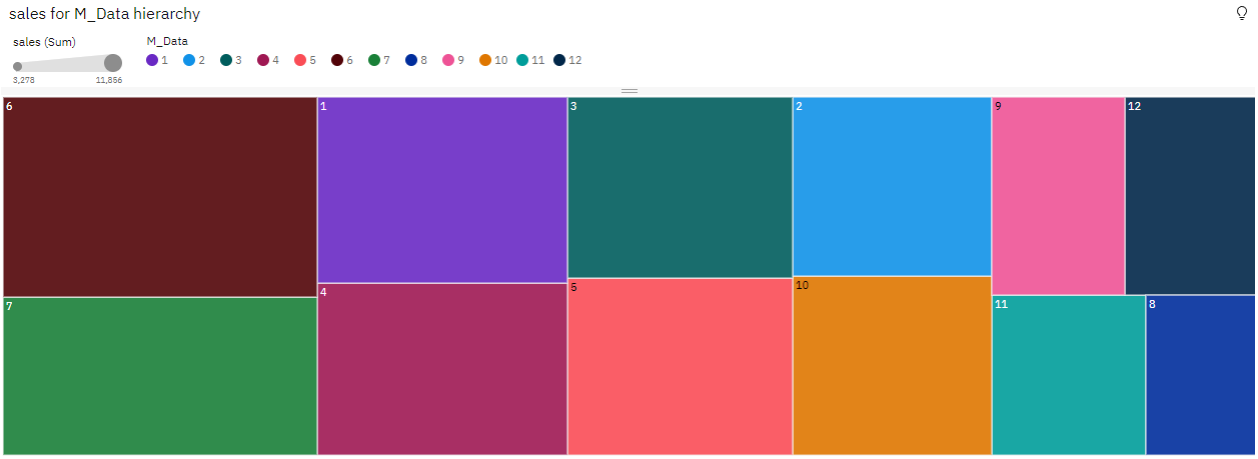

Figure 6: Monthly Sales using Tree Map

- Tree Map visualization is constructed for Monthly Sales using the IBM Cognos Analytics tool.
- The properties of the developed visualization are then tweaked further by performing some operations on it. This tweaking led to better representation of the data.

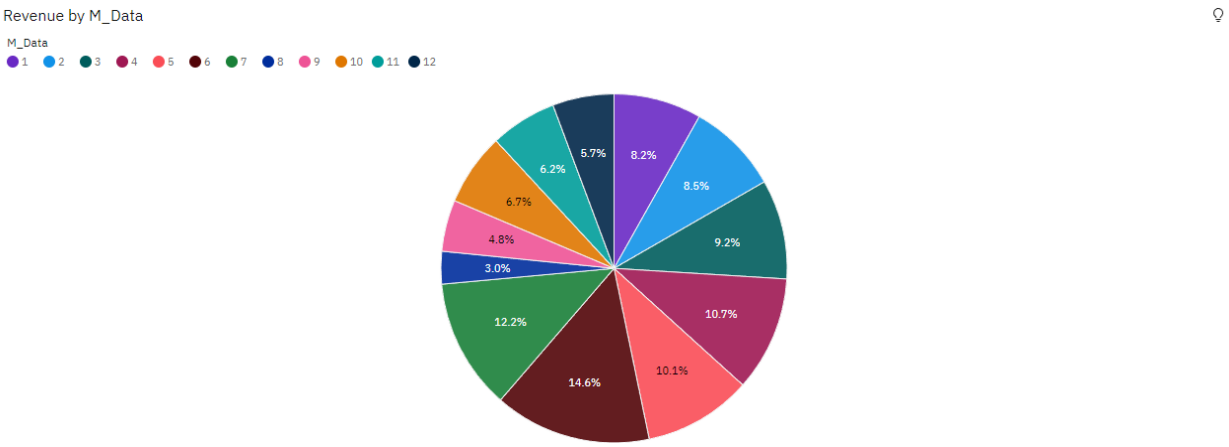

Figure 7: Monthly Revenue using Pie Chart

- A Pie Chart was developed for the Monthly Revenue data using the IBM Cognos Analytics tool.
- The properties of the developed visualization are then tweaked further by performing some operations on it. This tweaking led to better representation of the data.

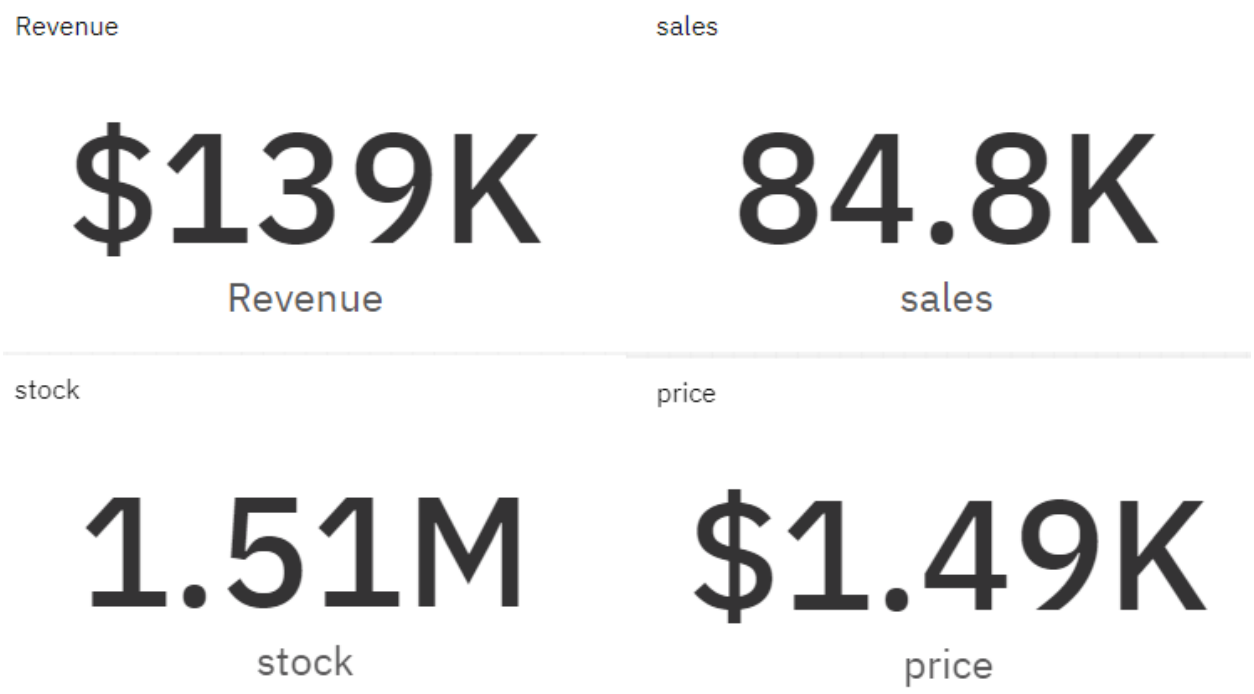

Figure 8: Summary Cards of Total Revenue, Sales, Stock, Price

- Summary Cards was developed for Total Revenue, Sales, Stock and Price data using the IBM Cognos Analytics tool.
- These Cards display the exact values in the form of cards. Modifications to the way of representing certain values were made in order to make it a better way of presenting the data.

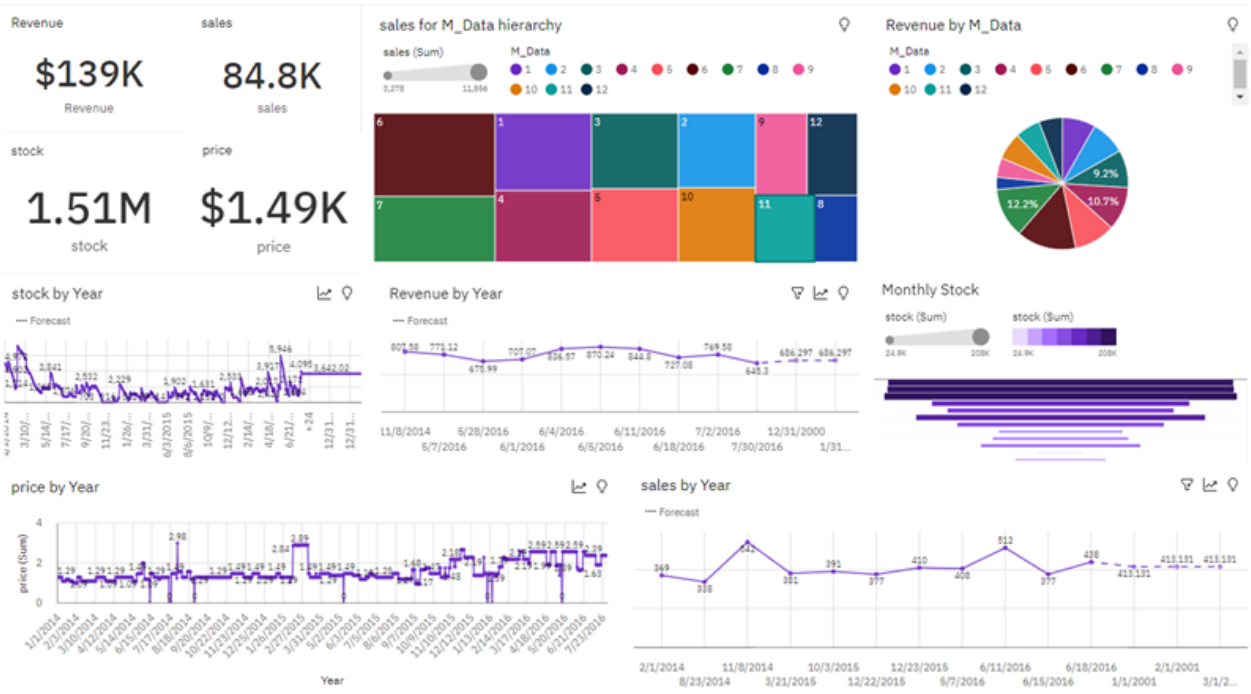

Figure 9: Dashboard

We finally combine all the visualizations into a single dashboard for better viewing. The dashboard is arranged in such a way, that it can provide all the necessary information in a single glance.