

Business Analytics

Experiment – 6

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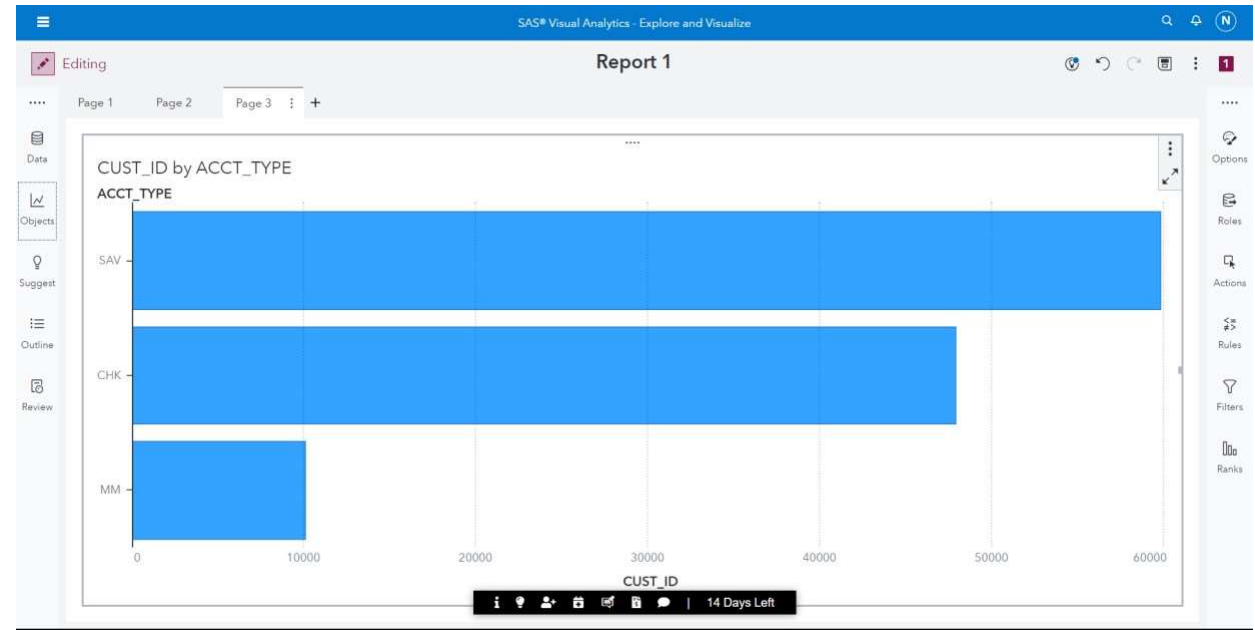
Aim: Apply any 5 graphs from Object Pane to investigate data with SAS Visual Analytics

Theory: In SAS Visual Analytics, there are several types of chart objects that can be used to visualize data. Some of them are:

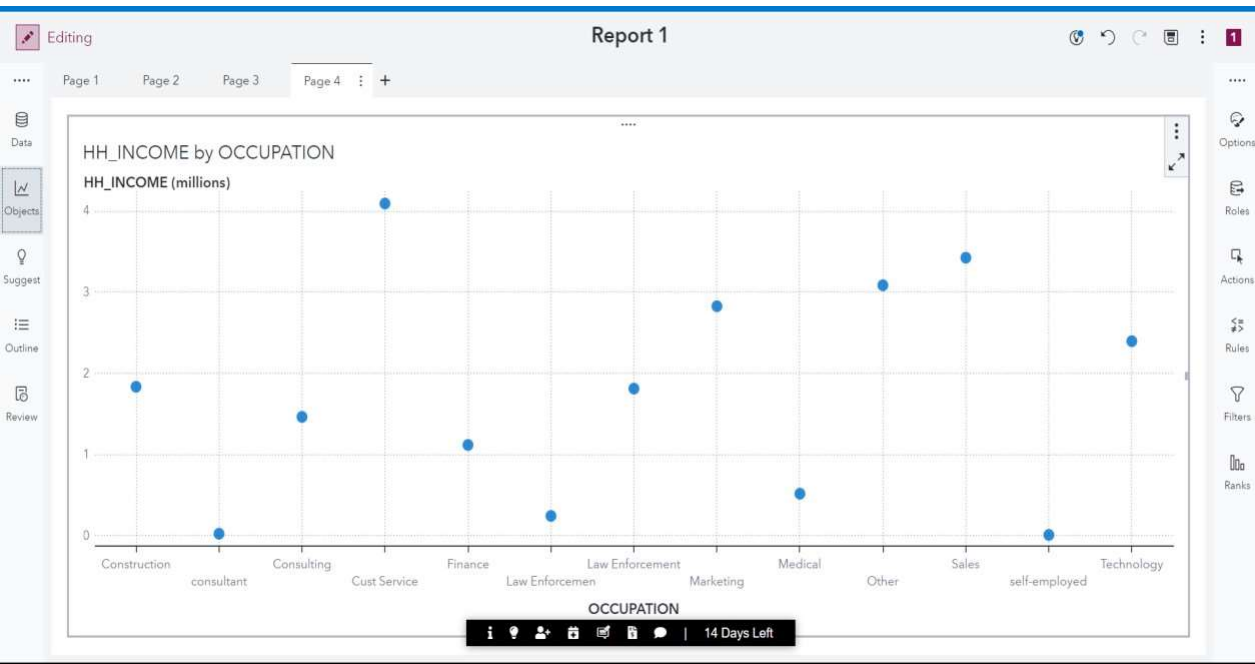
- **Bar Chart:** A Bar Chart displays data using horizontal or vertical bars that represent the values of a categorical variable. It allows you to compare the values of different categories easily.
- **Dot Plot:** A Dot Plot displays data using dots that represent the values of a numerical variable. It allows you to identify the distribution and outliers of the data.
- **Histogram:** A Histogram displays data using bars that represent the frequency or percentage of data within a range of values. It allows you to identify the distribution and skewness of the data.
- **Line Chart:** A Line Chart displays data using points connected by lines that represent the values of a numerical variable over time or other continuous variables. It allows you to identify the trends and patterns of the data.
- **Pie Chart:** A Pie Chart displays data using slices that represent the percentage of data within different categories. It allows you to compare the proportion of different categories easily.

Output:

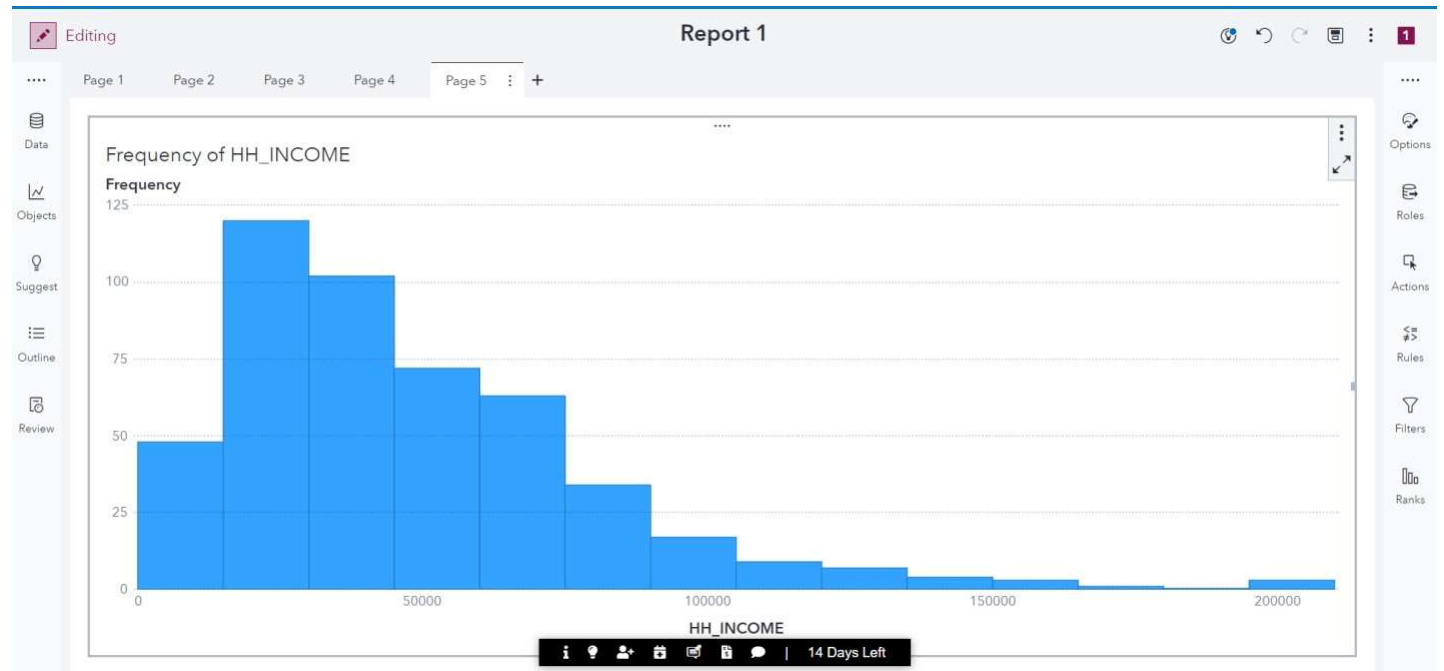
1. Bar Chart



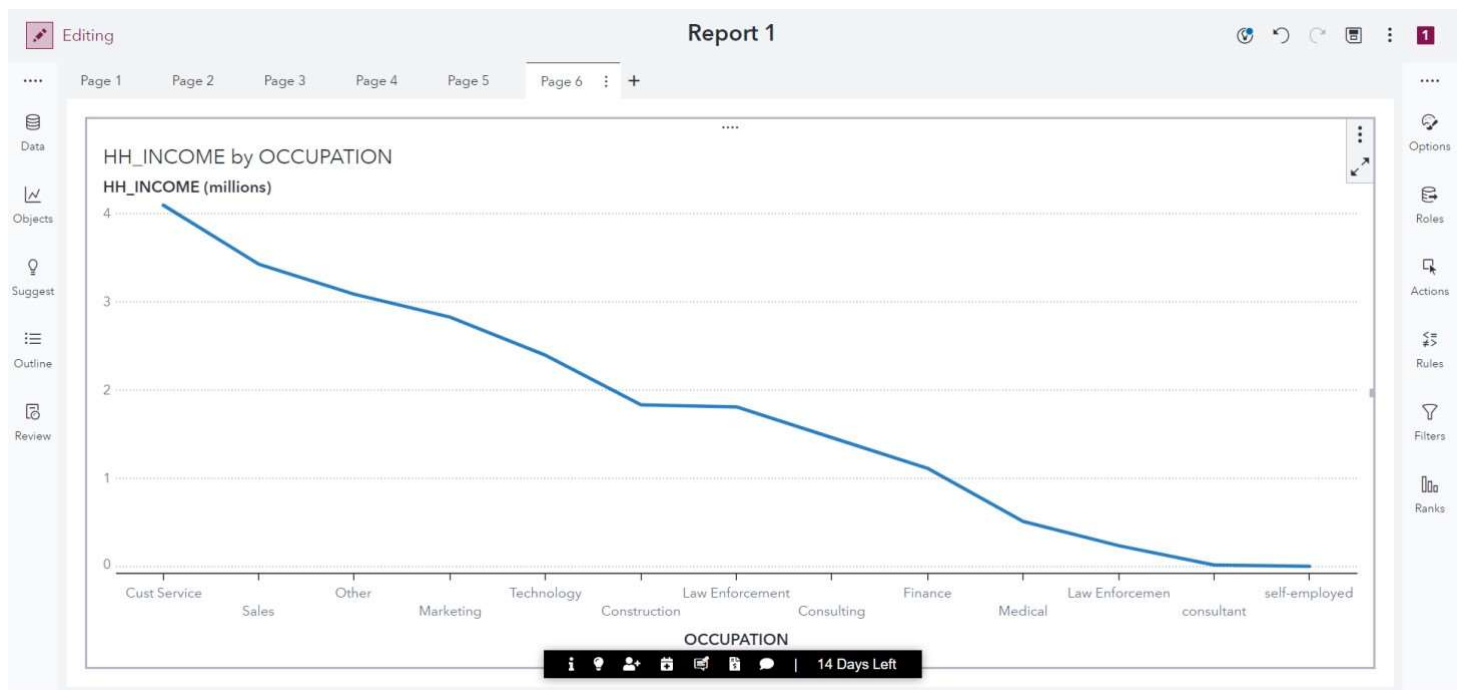
2. Dot Plot



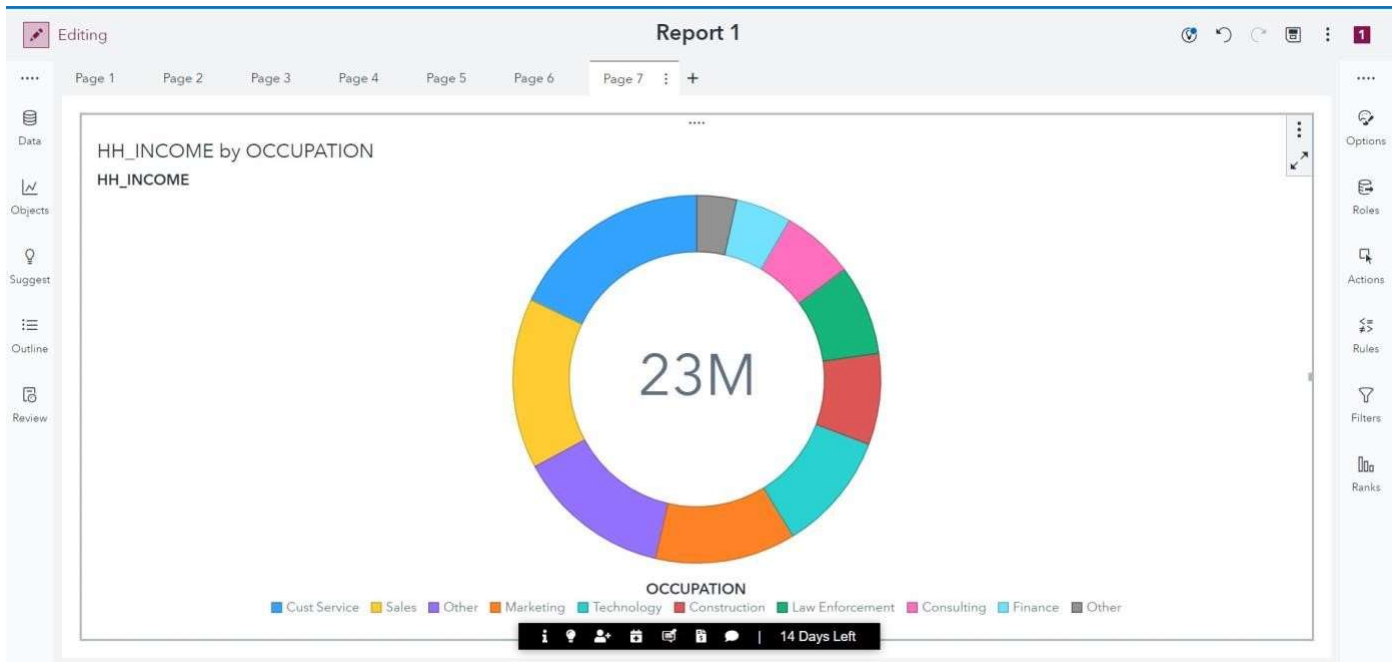
3. Histogram



4. Line Chart



5. Pie Chart



Conclusion: In this experiment, we learnt about graph objects in SAS visual analytics. We also plotted Bar Chart, Dot Plot, Histogram, Line Chart and Pie Chart graph objects for the Bank Customers data.