**UNIT-3**

**ASSIGNMENT-3**

**1. Problem Statement**:

You have been hired by a Bank that is currently operating in United Kingdom. The bank has asked you to help them to ease the process of analyzing its data. The management has provided with a few queries for you to solve.

•Create a Map chart showing the number of transactions processed in each region.

•Create a Pie chart displaying the percentage of each transaction processed between genders.

•Create a Histogram displaying the distribution of age and transactions processed.

•Create a Histogram displaying the distribution of balance and transactions processed.

•Create a Tree-map displaying the number of transactions processed within the classification of each job.

•Create a Dashboard using all the charts. Make use of Action Filters as it will further improve the analyzing experience for the management.

(Refer to the dataset from the file:UK BANK DATA.csv)

**2. Domain: Entertainment Industry**

You have been approached as an analytics consultant by a movie reviews company. They are writing up an articles analyzing movie ratings by critics and audience as well as movie budgets for the years 2007 till 2011. You have been asked to perform the tasks:

Refer the dataset: Movie-Ratings .csv

Task 1: Create a chart displaying Budget of Movies across different Genres over a period of time.

Task 2: Create a chart showing the correlation between audience and critic ratings

Task 3: Create a chart displaying the number of over released under every Genre over a period of time.

Task 4: Create a chart to visualize the comparison between the Ratings over a period of time.

Task 5: Create a chart that will display the Budget of Top 3 Movies by both Audience and Critics rating. Also segregate the chart by Genre.

Task 6: Create a Dashboard, using the above charts.

**3.** **Domain-Specific Data Analysis and Visualization: Insight Discovery and Dashboard Creation Using Kaggle Dataset:**

Select your domain, download a relevant dataset from Kaggle, analyze the dataset to extract insights, and create a report based on your findings. Finally, create a dashboard to visualize the insights and share the published link.