

## PROJECT WORK

**Objective:** The objective of this project is to understand the UK bank customer data.

**The description of the dataset is mentioned below.**

Use the default data set (.csv file) available.

### **Problem statements :**

Based on the .csv file provided, we are going to analyze and develop a dashboard to understand the customer data of a UK bank. Use filters, parameters and actions wherever possible to make the dashboard interactive.

- Create an asymmetric drop down of Region with their respective customer names and their Balances with a gender wise color code. Use set actions to complete this task.
- A region wise bar chart which displays the count of customers based on High and **low balance. Create a parameter to let the users' dynamically decide the** limit value of balance which categorizes it into high and low.
- Create a donut pie chart which displays a percent of total balances in a region wise manner.
- Display a forecast with a day wise balance chart using Exponential smoothing.
- Create a stacked bar chart to view the gender wise average age in every region.
- Analyze the distribution of a measure (Balance) using a Histogram and create a **parameter to let the users' dynamically decide the bin size.**
- Compare the month wise balance using a motion chart with marks and trails.
- Create a moving average balance line chart, average calculated for a period of past 2 weeks. Compare it with the actual values.
- Compare the region wise average balance with the (region wise average balance) in-terms of its job classifications.
- Region wise pie chart displaying the job classifications with respect to its balances.
- Create a global date range parameter.
- Include interactive filters for Job classifications and Highlighters for Region in the final dashboard.

**Lab environment:** Use Tableau desktop installed in your system.

**Domain:** Bank customer data

**Hint for doing the project:**

Interactive sample dashboard to understand the data. Multiple features, various charts suitable to the respective problem statements are to be used at points where chart type is not specified.