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 t**he 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.