**Tableau In-class Assignment**:

Use the UK Bank Customers data set to answer Questions

Q1 Create a donut chart showing the relationship between average age distribution.

Q2 Create a Calculation ‘Net Worth’ to segregate customers into 3 categories. Plot a table to display the Net Worth of each customer. The conditions for calculating Net Worth are as below

a. Low Net Worth – Balance less than £50,000

b. Medium Net Worth – Balance between £50,000 - £100,000

c. High Net Worth – Balance greater than £100,000

Q3 Create a Tree Map to display the split of Province, Gender, and Job Classification. Add colors using Province and Gender. The visualization should include data labels to showcase the number of people in each of these buckets.

Q4 Create a histogram based on Age. The bin size should be 5. Plot a chart to display the number of customers

in each bin.

Q5 Create a Customer Segmentation Dashboard using the UK Bank Customers dataset.

1. Plot the Province in a Filled Map chart. Display the data labels for the average balance in each of the provinces. The data label should be displayed should be rounded off to thousands.
2. A Pie chart to display the split of gender. The dashboard should be interactive such that if a particular region is selected the Pie Chart updates.
3. A histogram based on Age Bin. The bin should be dynamic such that the user can choose between the bin size of 5 or 10.

Q6. Using UK Bank Customer dataset - Create a story with the following worksheets and use the geographical map worksheet as a master filter

a. Geographical map showing the number of customers across the UK (Use it as a master filter) with respective insights using the following worksheets

i. Age group distribution of customers

ii. Balance group distribution of customers

iii. Job classification

iv. Gender Classification