Create a Dashboard and story for World bank indicators data

1) Use world map to display population count for those countries with morethan 1 million population.

2) Use Bar chart to display and compare number of mobile users vs number of internet users located in the countries like India, United Arab Emirates, United Kingdom and United States.

3) Use heat maps to display first 10 countries with highest life expectancy at birth.

4) Create a packed bubbles chart to display details of top 15 countries making high railway transit.

**Solution Instructions for Tableau Assignment: World Bank Indicators Data**

To complete this assignment, you will use Tableau to create a dashboard and a story based on World Bank indicators data. Follow the instructions below to complete each task:

Task 1: World Population Map

1. Connect Tableau to the World Bank indicators dataset.
2. Drag the "Country" dimension to the Rows shelf and the "Population" measure to the Color shelf.
3. Filter the data to include only countries with a population greater than 1 million.
4. Drag the "Country" dimension to the Level of Detail (LOD) shelf.
5. Select the Map visualization type.
6. Customize the map as desired, including adding labels, tooltips, and adjusting the color scheme.
7. Create a new dashboard and add the map visualization.
8. Add a title to the dashboard, such as "World Population Map".

Task 2: Mobile Users vs. Internet Users Bar Chart

1. Create a new worksheet in Tableau.
2. Drag the "Country" dimension to the Columns shelf.
3. Drag the "Number of Mobile Users" measure and the "Number of Internet Users" measure to the Rows shelf.
4. Filter the data to include only the countries India, United Arab Emirates, United Kingdom, and United States.
5. Customize the bar chart as desired, including adding labels and tooltips.
6. Create a new dashboard and add the bar chart visualization.
7. Add a title to the dashboard, such as "Mobile Users vs. Internet Users Comparison".

Task 3: Life Expectancy Heat Map

1. Create a new worksheet in Tableau.
2. Drag the "Country" dimension to the Columns shelf.
3. Drag the "Life Expectancy at Birth" measure to the Rows shelf.
4. Sort the data by the "Life Expectancy at Birth" measure in descending order.
5. Use the "Country" dimension as the Color encoding.
6. Select the Heat Map visualization type.
7. Limit the display to show only the top 10 countries with the highest life expectancy.
8. Customize the heat map as desired, including adjusting the color scheme.
9. Create a new dashboard and add the heat map visualization.
10. Add a title to the dashboard, such as "Top 10 Countries with Highest Life Expectancy".

Task 4: Packed Bubbles Chart for Railway Transit

1. Create a new worksheet in Tableau.
2. Drag the "Country" dimension to the Columns shelf.
3. Drag the "Railway Transit" measure to the Size shelf.
4. Sort the data by the "Railway Transit" measure in descending order.
5. Limit the display to show only the top 15 countries with the highest railway transit.
6. Customize the packed bubbles chart as desired, including adjusting the color and size encoding.
7. Create a new dashboard and add the packed bubbles chart visualization.
8. Add a title to the dashboard, such as "Top 15 Countries with High Railway Transit".

Creating the Story:

1. Navigate to the Story tab in Tableau.
2. Add the previously created dashboards to the story in the desired order.
3. Customize the layout and formatting of the story as desired.
4. Add captions or annotations to provide context and insights for each visualization.
5. Review the story to ensure a logical flow and clear presentation of the data.
6. Optionally, add a title and description to the story to provide an overview of the analysis.

Submission:

Save the Tableau workbook containing the dashboard and story and submit it as the final deliverable for the assignment. Include any additional instructions or notes in a separate document if necessary.

**Download resource files**

World Bank Indicators.xlsx