**Power BI Assignment: Titanic Dataset Analysis**

In this assignment, you are required to create a Power BI report using the Titanic dataset. The report should include at least 3 cards, 4 charts, and 2 slicers. Below are the specific requirements:

**Cards:**

**Total Passengers**: Displaying the total number of passengers in the dataset.

Total Passenger = DISTINCTCOUNT(titanic[PassengerId])

**Survived Passengers**: Showing the count of passengers who survived.

**Not Survived Passengers**: Showing the count of passengers who did not survive.

**Percentage of Survived**: Displaying the percentage of passengers who survived.

**Percentage of Not Survived**: Displaying the percentage of passengers who did not survive.

**Total Passenger by Embarked City**: Showing the total number of passengers by embarked city.

**Charts:**

**Total Passenger by Embarked City** : Map chart showing total passenger with using bubble size.

**Count of Survived by Age Group and Gender**: A stacked column chart showing the count of survived passengers categorized by age group and gender.

**PassengerId by Gender**: Donut chart showing PassengerId distributed by gender.

**Percentage Survived by Passenger Class and Gender**: A clustered bar chart displaying the percentage of survived passengers by passenger class and gender.

**Percentage of Boarding City**: 100% A stacked column chart showing the percentage of passengers boarding from each city that survived and did not survive.

**Total Passenger by Passenger Class**: A pie chart showing the total number of passengers by passenger class.

**Slicers:**

**Gender Slicer**: A slicer allowing users to filter data by gender.

**Passenger Class Slicer**: A slicer allowing users to filter data by passenger class.

**Age Group Slicer**: A slicer allowing users to filter data by age group.

Handling Missing Values: You have the flexibility to handle missing values in the dataset as you see fit. You can choose to fill them with appropriate values or exclude them from the analysis based on your judgment.

Age Group Classification: Age groups can be categorized as follows:

Teen: 0-18 years

Youth: 19-30 years

Adult: 31-50 years

Old: 51 years and above

😊 Feel free to customize and enhance your report with additional visualizations or insights. If you're confident, you can complete all the requirements mentioned above.

This assignment should provide students with a comprehensive understanding of data visualization techniques using Power BI while exploring the Titanic dataset.