**Data Visualization Assignment**

Perform data visualization on titanic dataset:

1. Read the dataset into a pandas dataframe
2. Check for duplicates and handle them
3. Check for missing values and use appropriate technique to impute the missing values
4. Perform univariate analysis using suitable plots / charts
5. Perform bi-variate analysis using suitable plots / charts
6. Show patterns not only between independent and dependent features but also within independent features
7. Mention your observations in markdown cells below a visualization
8. Use groupby, value\_counts, mean, var and other suitable functions to extract important information / findings

Dataset link:<https://www.kaggle.com/competitions/titanic/data>