

# Data Visualization Assignment

Perform data visualization on titanic dataset:

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

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