

# ELEVATE LABS

## DATA ANALYTICS INTERNSHIP TASK-5

### **\*EXPLORATORY DATA ANALYSIS**

#### SUMMARY:-

1. Survival Rate: Around 41% of passengers survived.
2. Gender Effect: Females (Sex=0) had a much higher survival rate than males.
3. Passenger Class: Higher survival chances for 1st class passengers.
4. Correlation Highlights:
  - Survived is negatively correlated with Pclass (lower class = lower survival).
  - Sex shows strong negative correlation with Survived (males survived less).
  - Fare has a positive correlation — higher fare = higher survival probability.