

Titanic Dataset – EDA Summary Report

□ Dataset Overview

The Titanic dataset contains data on passengers aboard the RMS Titanic and whether they survived or not.

- Total records: 891
- Target variable: 'Survived' (0 = No, 1 = Yes)

□ Basic Data Exploration

- Missing values present in: Age, Cabin, Embarked
- Data types: Mix of numeric and categorical
- Majority of passengers were male and in 3rd class

□ Univariate & Bivariate Insights

- Approx. 38.4% survived
- Females had much higher survival rates
- 1st class passengers had better survival chances
- Most passengers were between 20–40 years old

□ Correlation Analysis

- Positive correlation: Parch & SibSp
- Negative correlation: Pclass & Survived

Correlation Heatmap

