

Titanic Dataset - Exploratory Data Analysis Report

1. Dataset Overview

Rows: 891, Columns: 12
Missing Values: Age=0, Cabin=0, Embarked=0

Figure 1

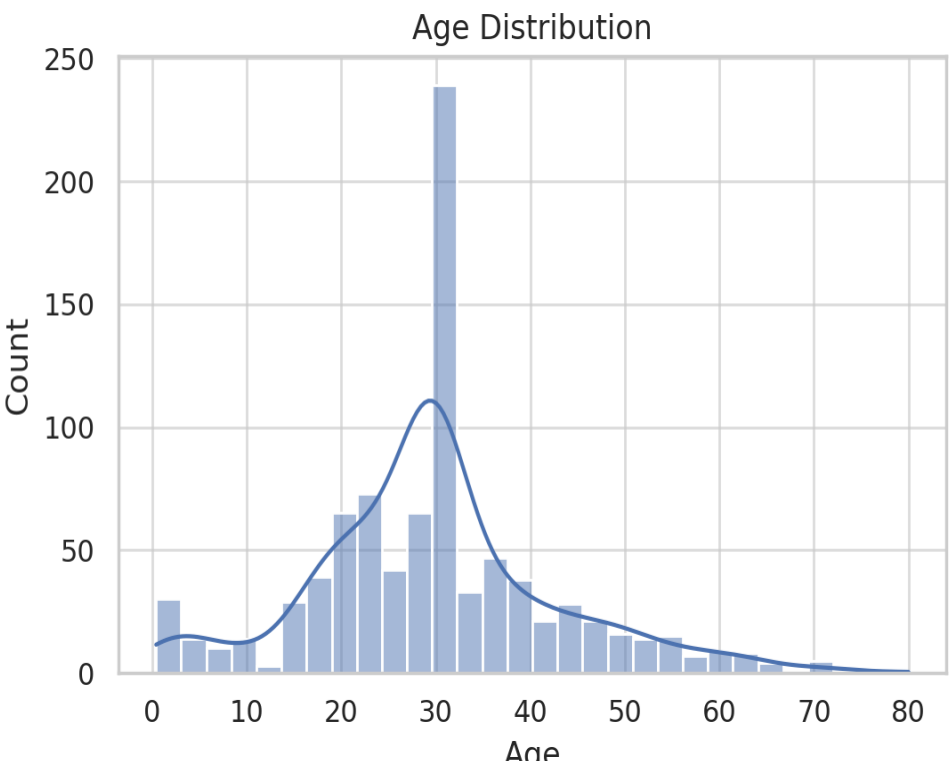


Figure 2

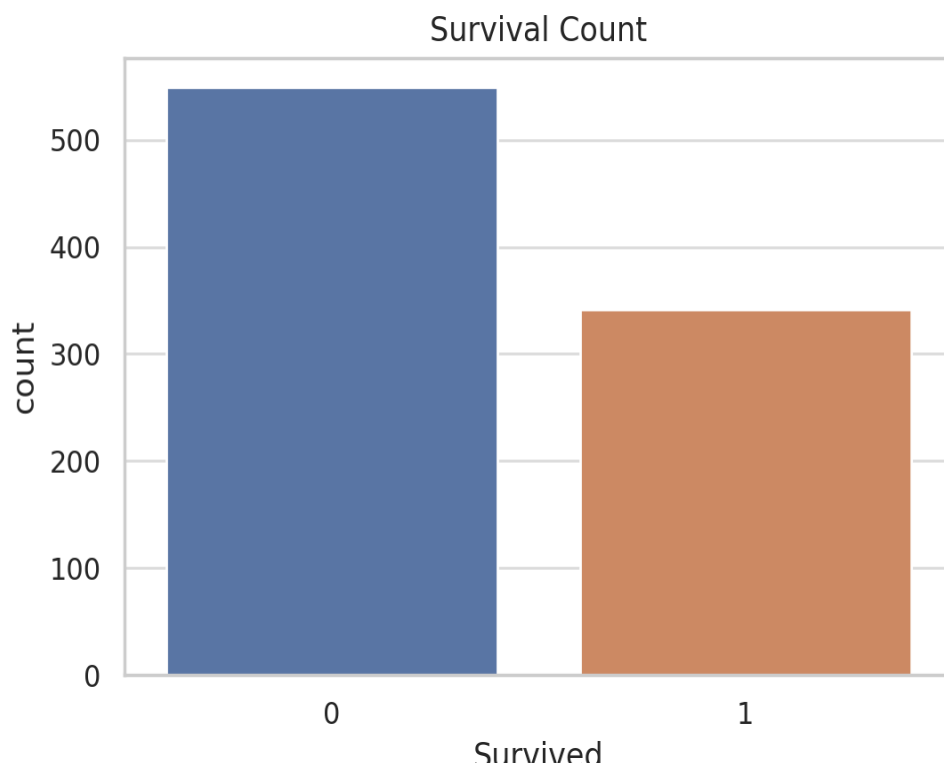


Figure 3

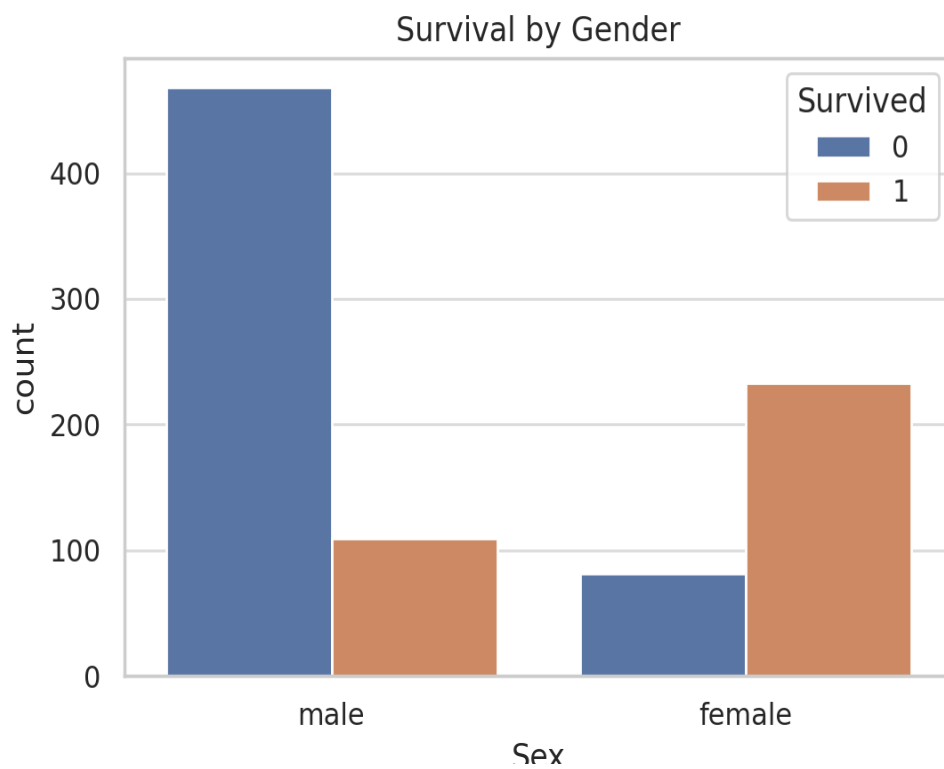


Figure 4

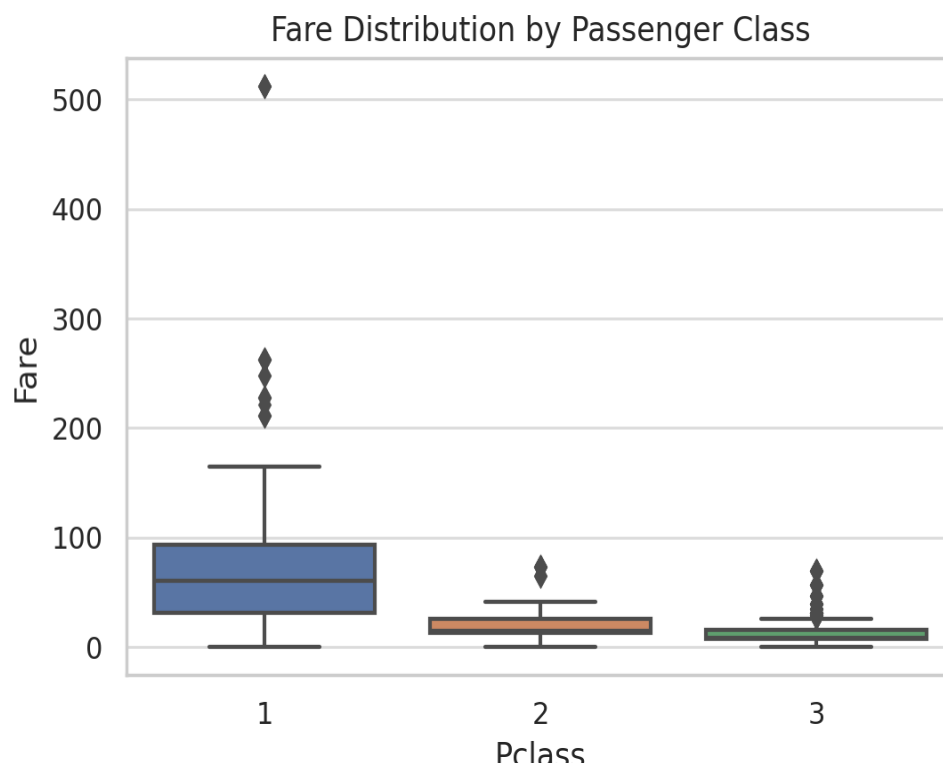
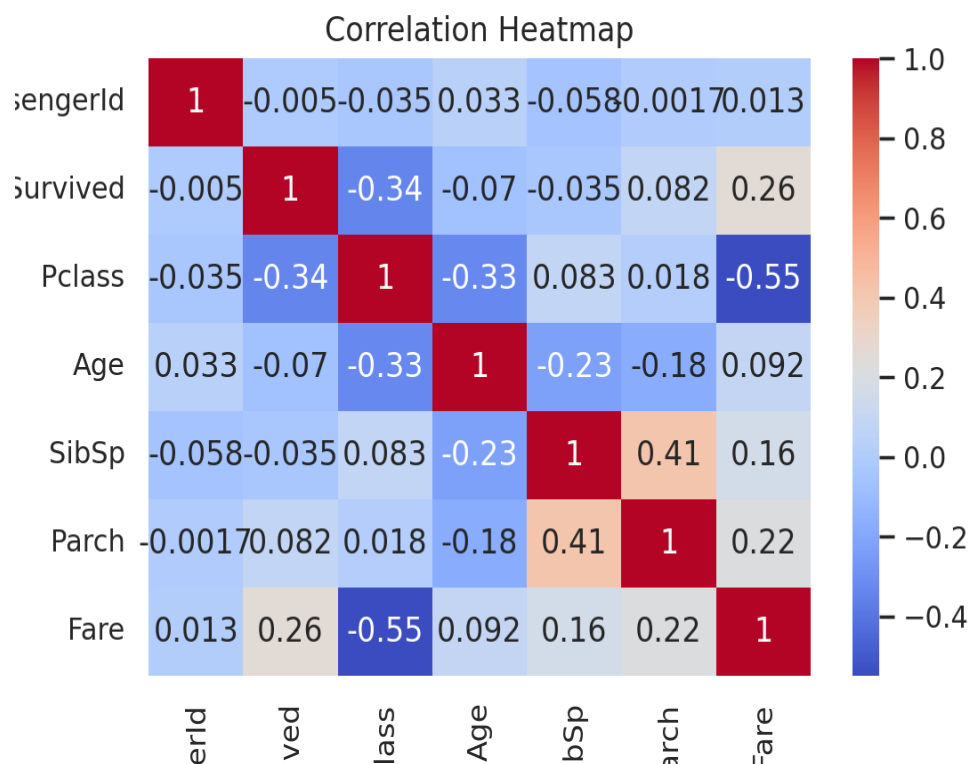


Figure 5



Summary of Findings:

1. Most passengers were between 20-40 years old.

2. About 38% of passengers survived.
3. Females had a much higher survival rate than males.
4. Higher passenger classes (1st) had higher fares and better survival odds.
5. Fare is negatively correlated with passenger class and positively with survival.
6. Missing data is significant in the Cabin column and moderate in Age.