

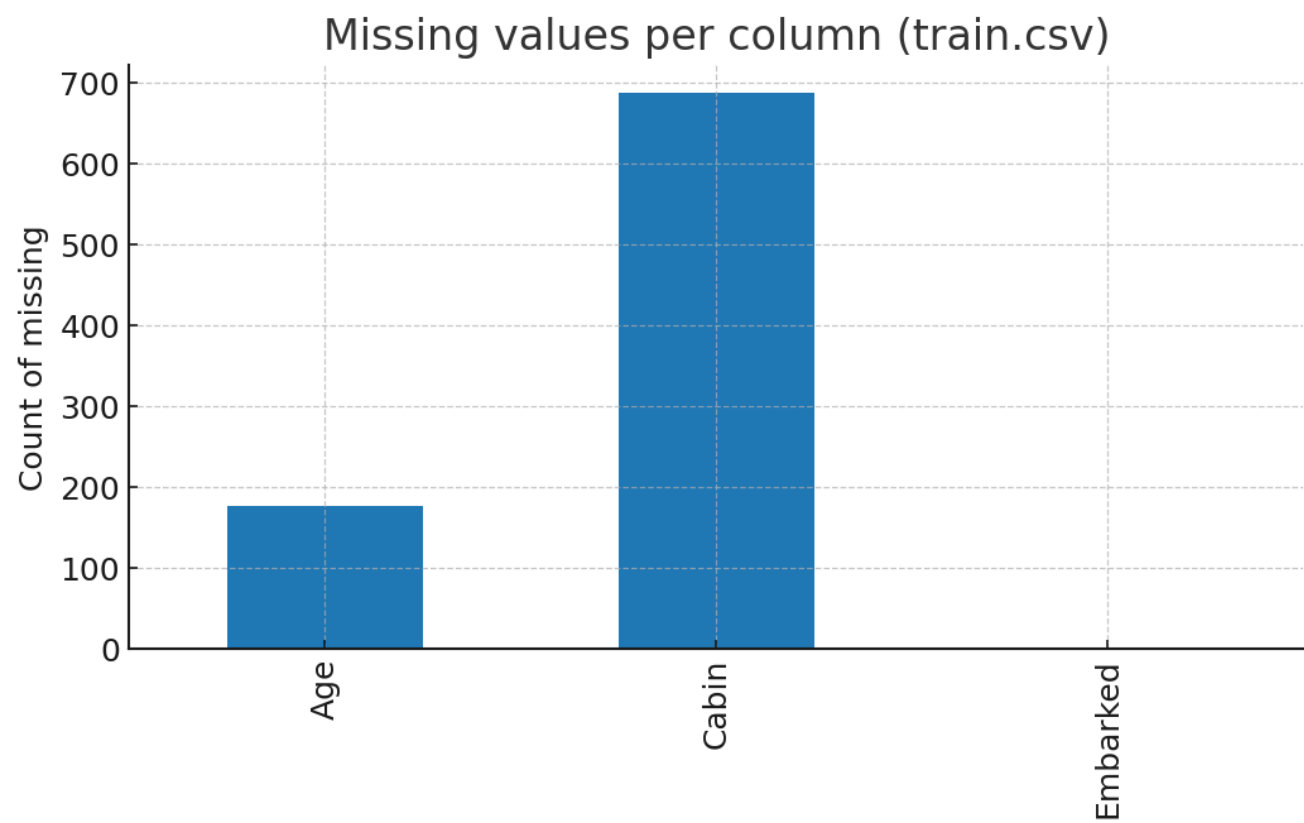
Titanic EDA Report

Generated programmatically. Dataset: train.csv. Rows: 891, Columns: 12

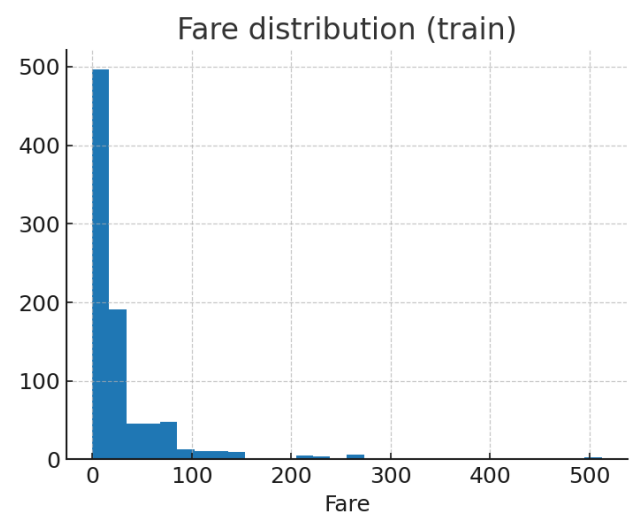
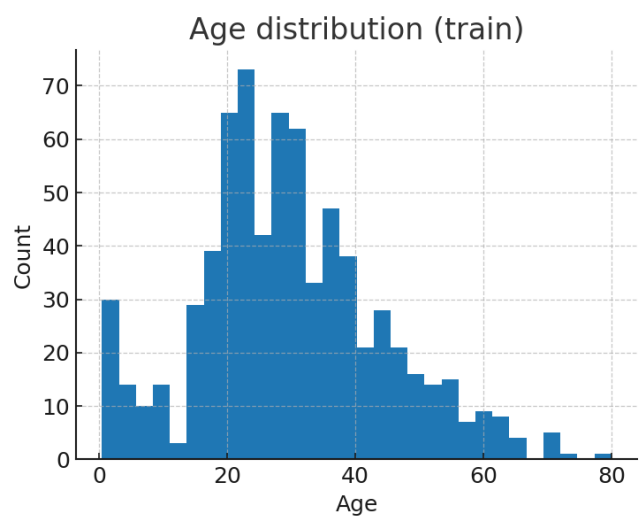
Key observations:

- Train dataset shape: (891, 12)
- Columns: PassengerId, Survived, Pclass, Name, Sex, Age, SibSp, Parch, Ticket, Fare, Cabin, Embarked
- Top missing values: {'Cabin': 687, 'Age': 177, 'Embarked': 2}
- Survival rate: 38.38% (342/891)
- Females have a notably higher survival rate than males (see survival by Sex bar chart).
- Higher Pclass passengers generally have higher fares and different age distributions (see boxplots).
- Correlation matrix shows 'Pclass' negatively correlated with 'Fare' (note: Pclass is ordinal where 1=highest c

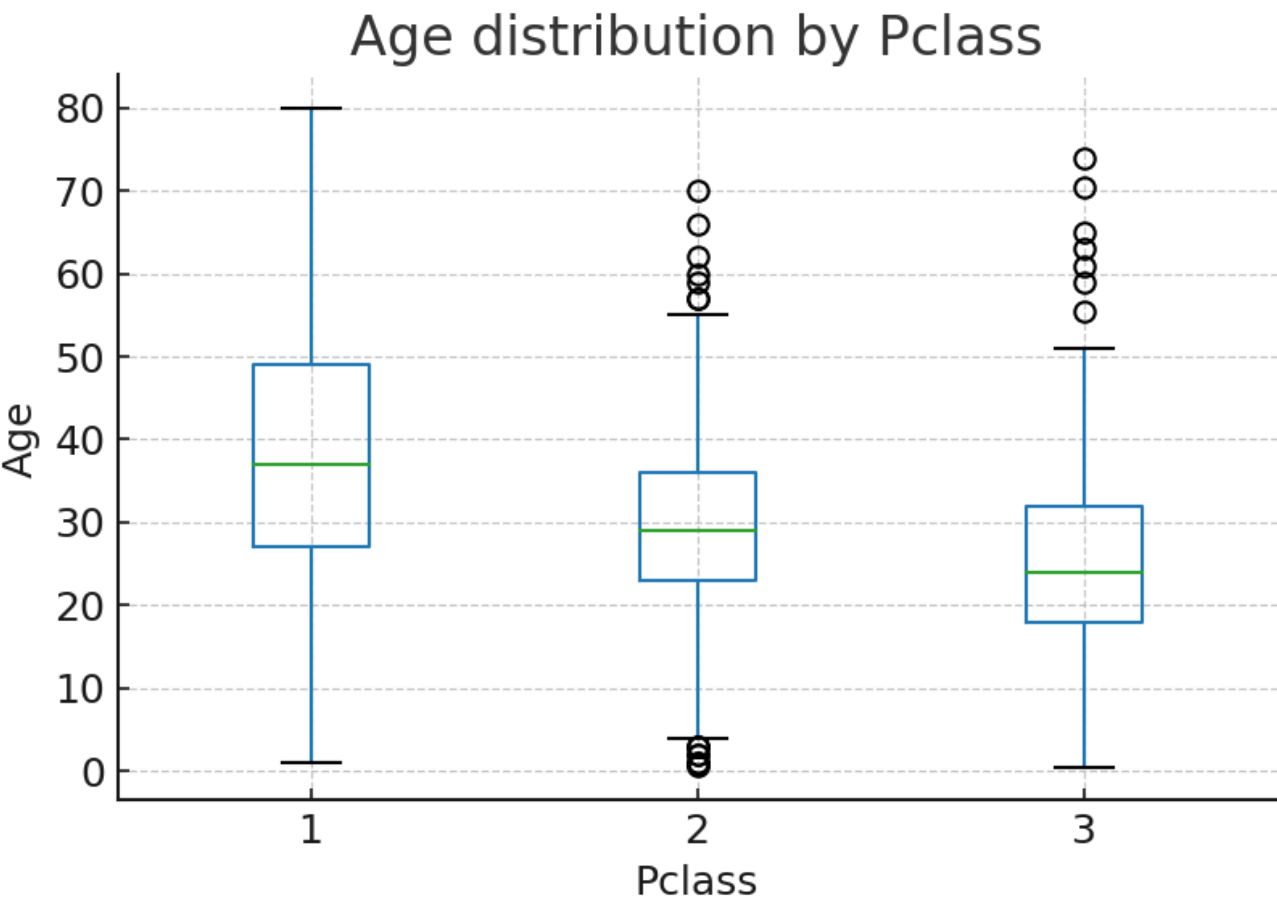
Missing Values



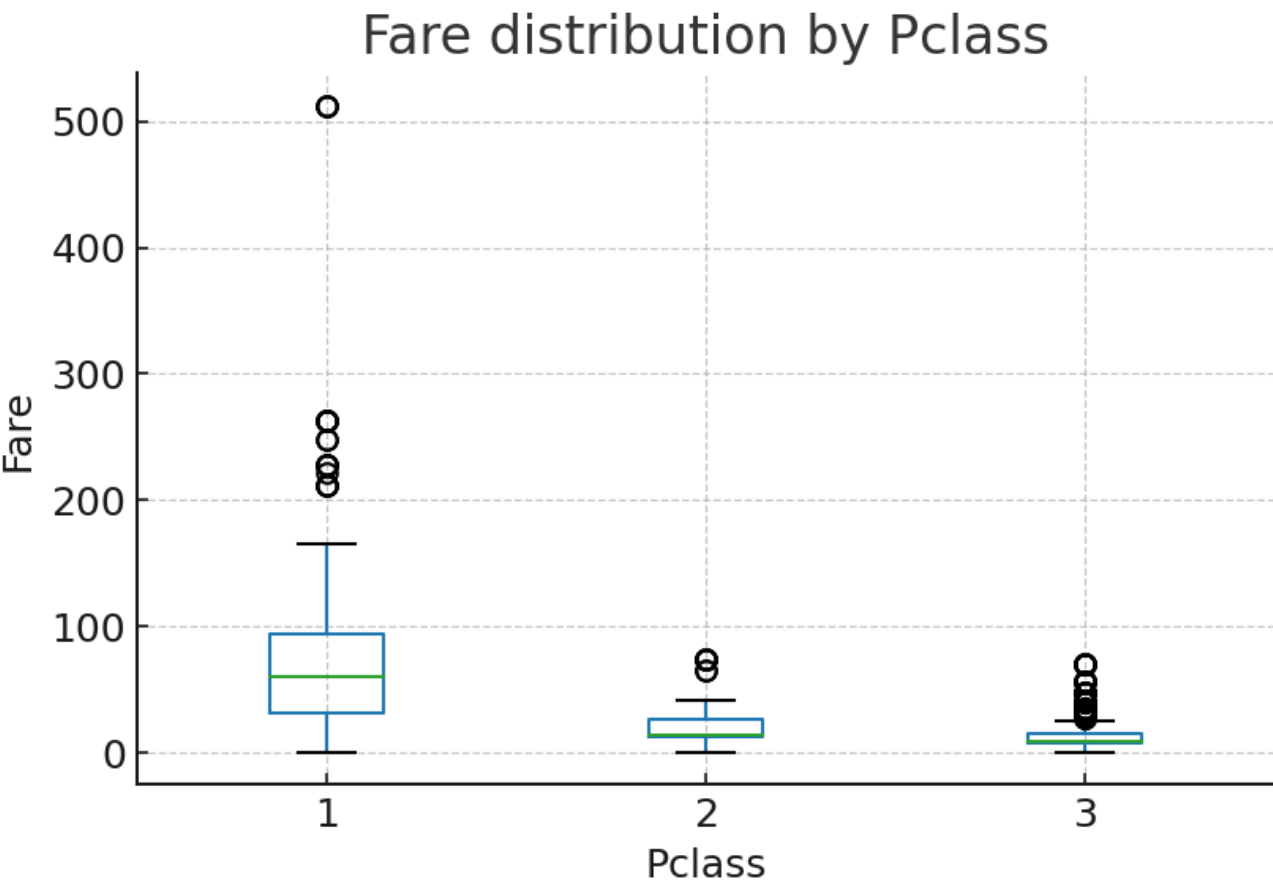
Age Fare Hist



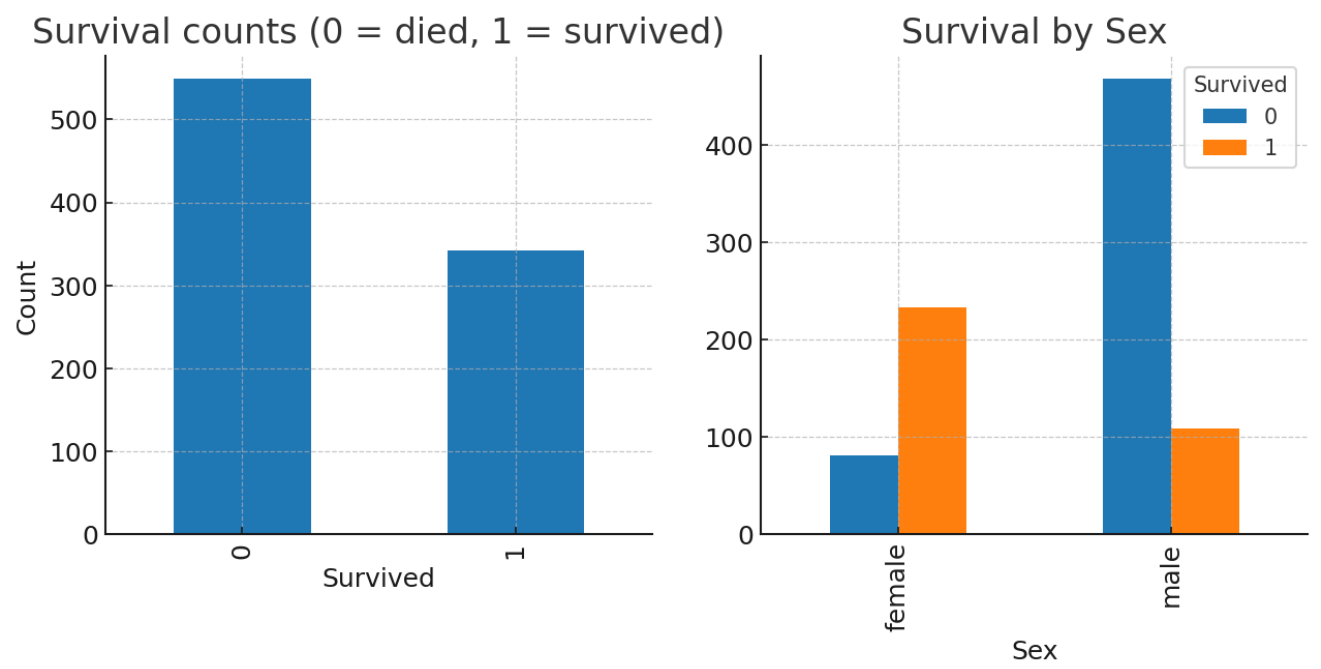
Age By Pclass



Fare By Pclass

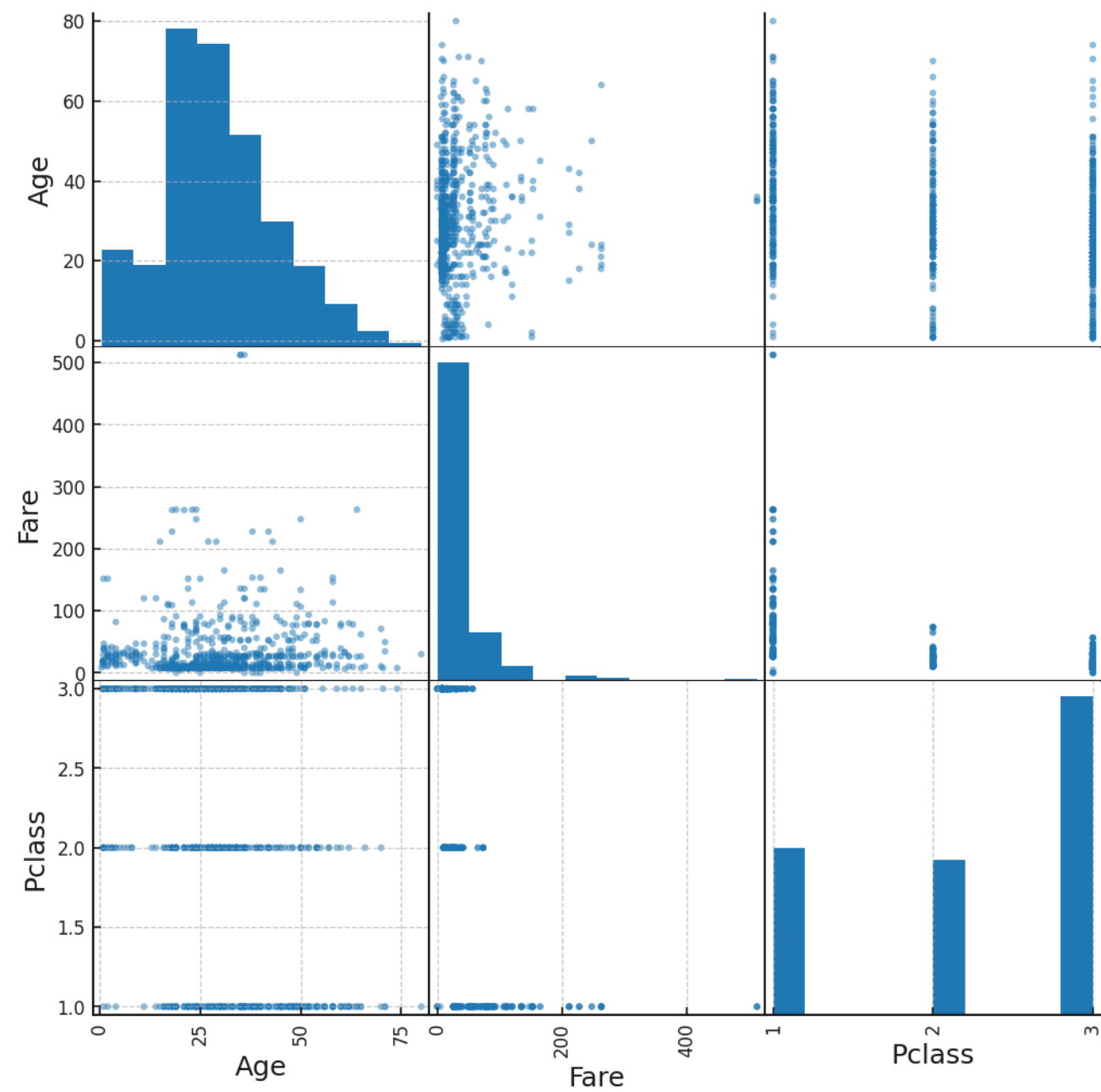


Survival Counts

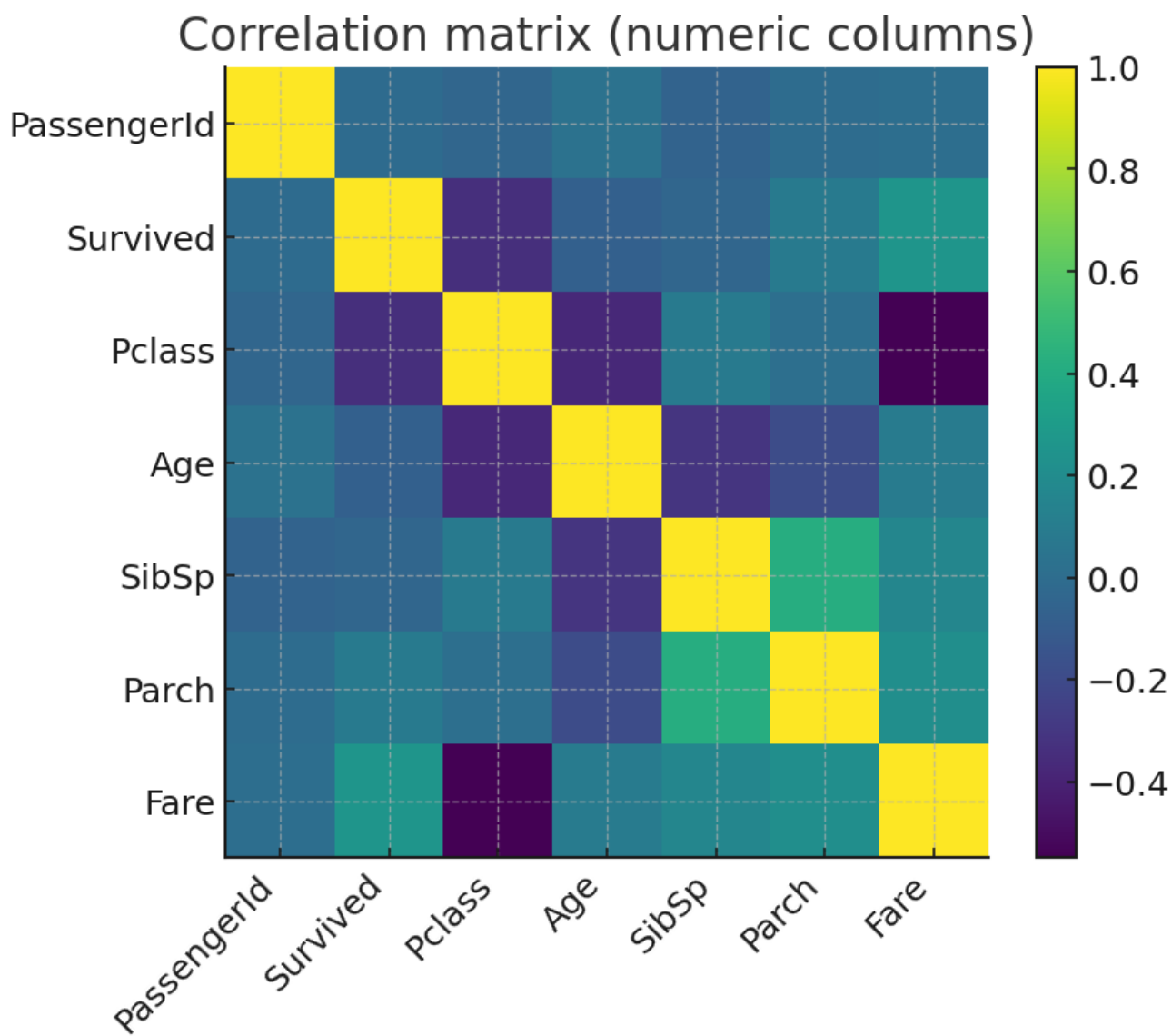


Scatter Matrix

Scatter matrix: Age, Fare, Pclass



Corr Heatmap



Age Vs Fare

