

Titanic Passenger Dataset Exploratory Data Analysis

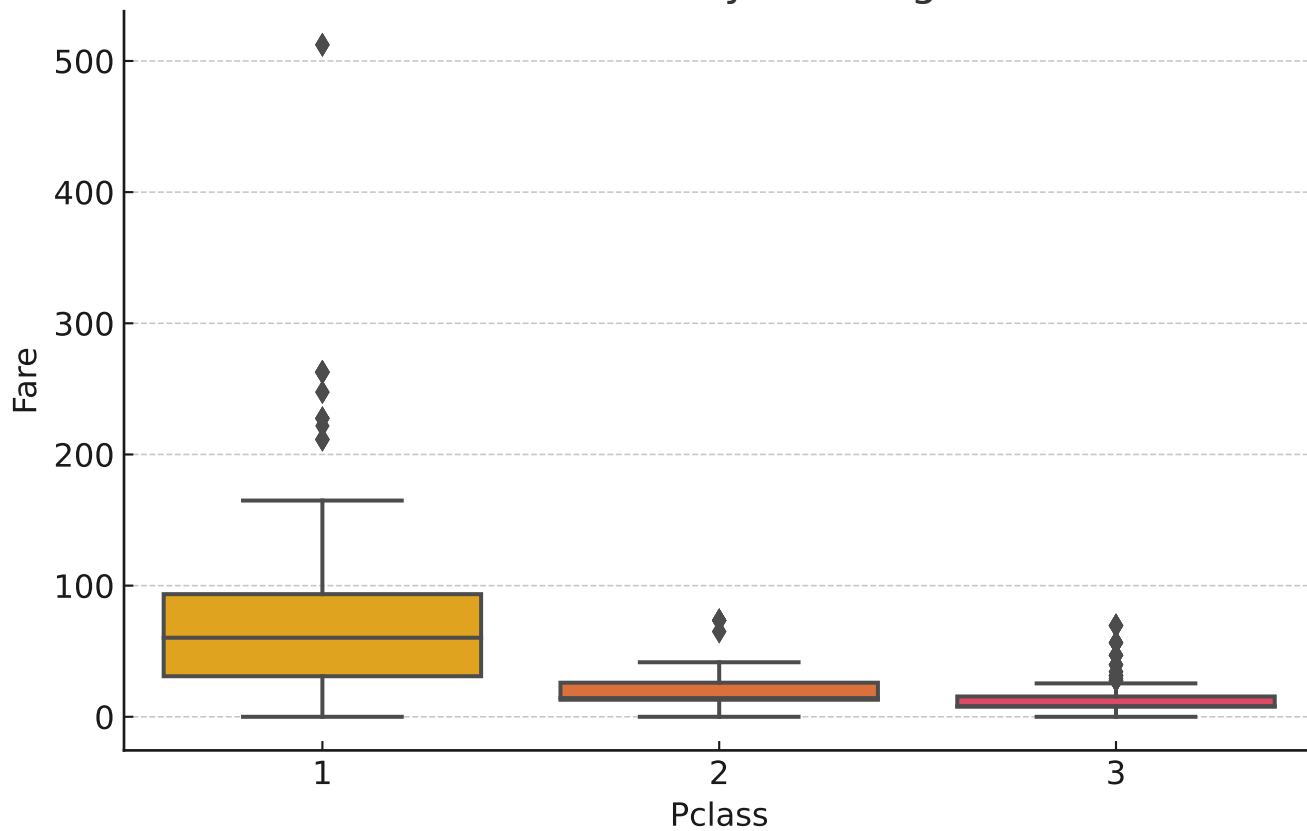
Prepared May 19, 2025

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Dataset Overview -----
values:      Age      : 177      Cabin      : 687      Embarked
Numeric    : 7      Categorical: 5      • Observations: 891
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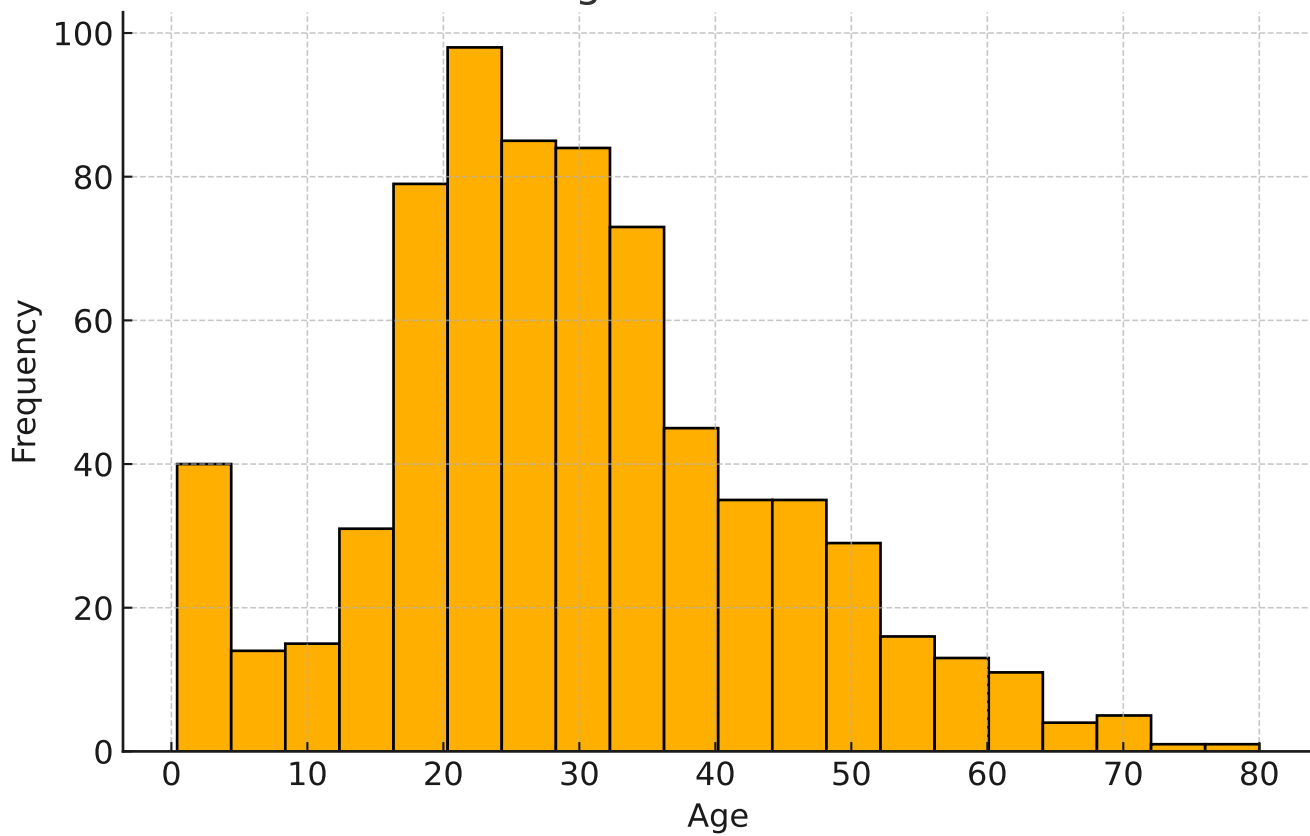
Key Findings -----

74.2% vs Male survival rate: 18.9% amount.	• Overall survival rate: 38.4%
• Children (<15) show elevated survival; seniors (>60) low (size 2–4) fare better than solo or large groups.	• Survival strongly associated

Fare Distribution by Passenger Class



Age Distribution



Correlation Heatmap

