

Titanic Dataset Analysis Report

1. Dataset Overview

The dataset contains 1309 rows and 9 columns.

Key columns:

- Passengerid
- Age
- Fare
- Sex
- sibsp
- Parch
- Pclass
- Embarked
- Survived

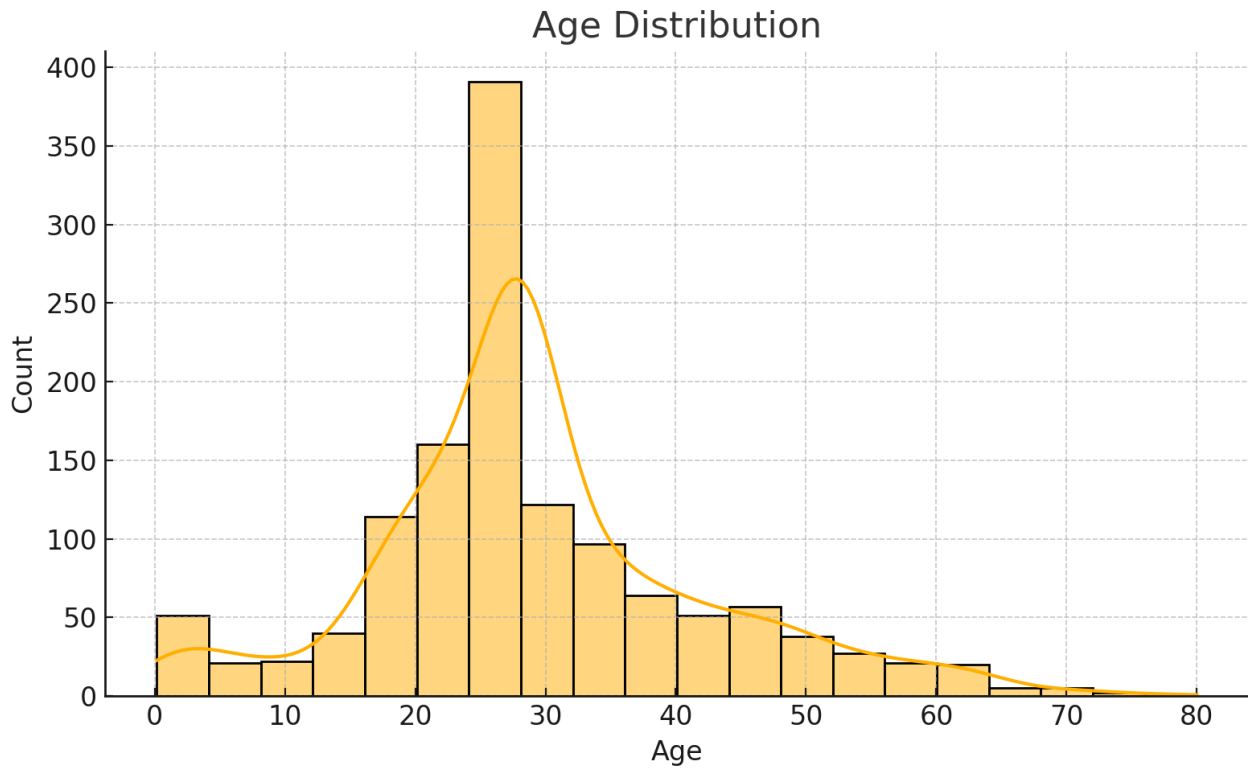
2. Data Cleaning Steps

- Dropped columns starting with 'zero'.
- Renamed '2urvived' to 'Survived'.
- No missing value treatment yet.

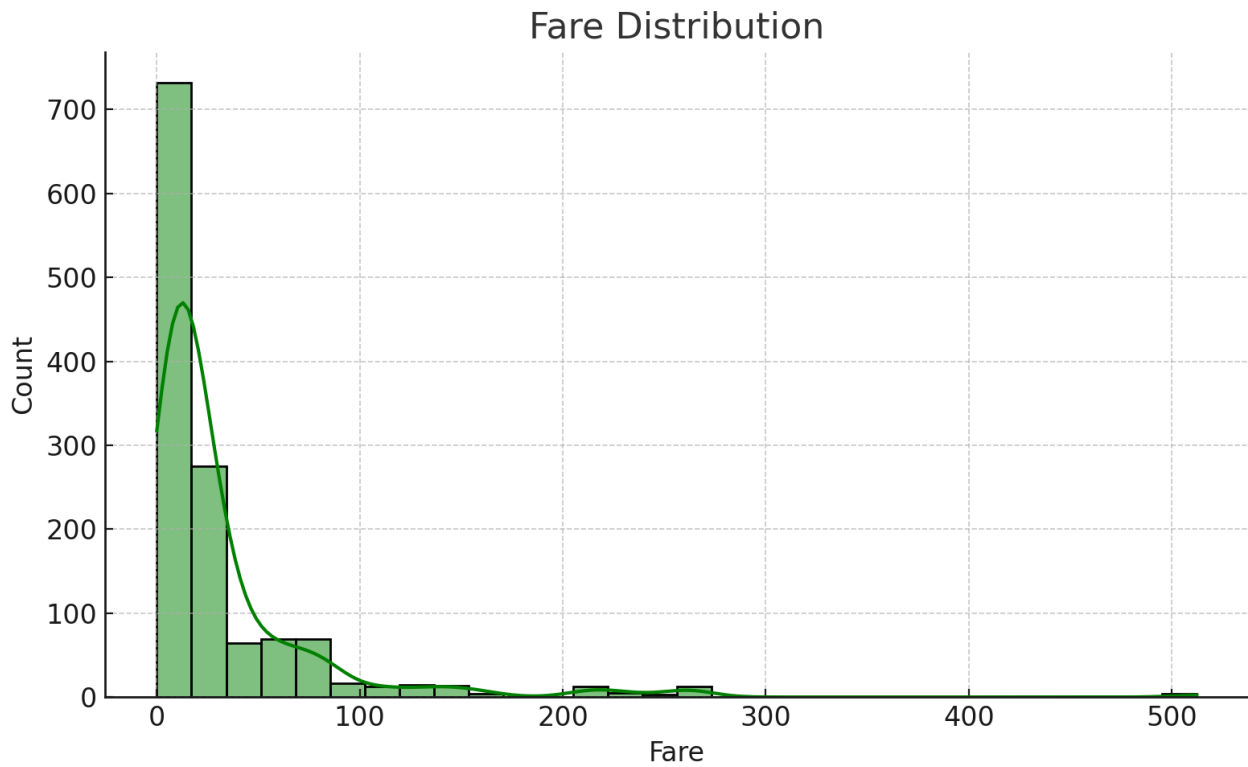
3. Exploratory Data Analysis (EDA)

3.1 Age Distribution

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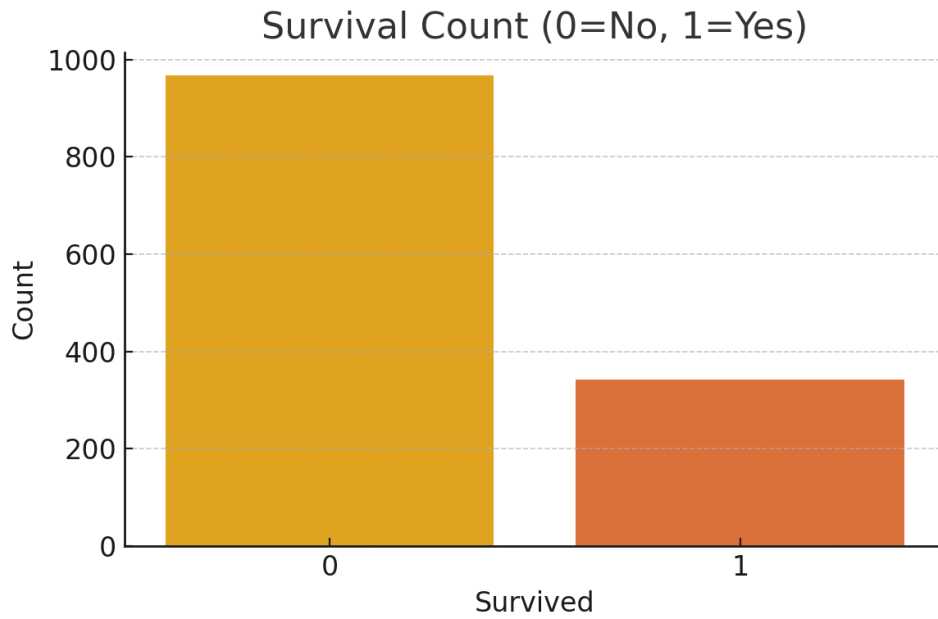


3.2 Fare Distribution

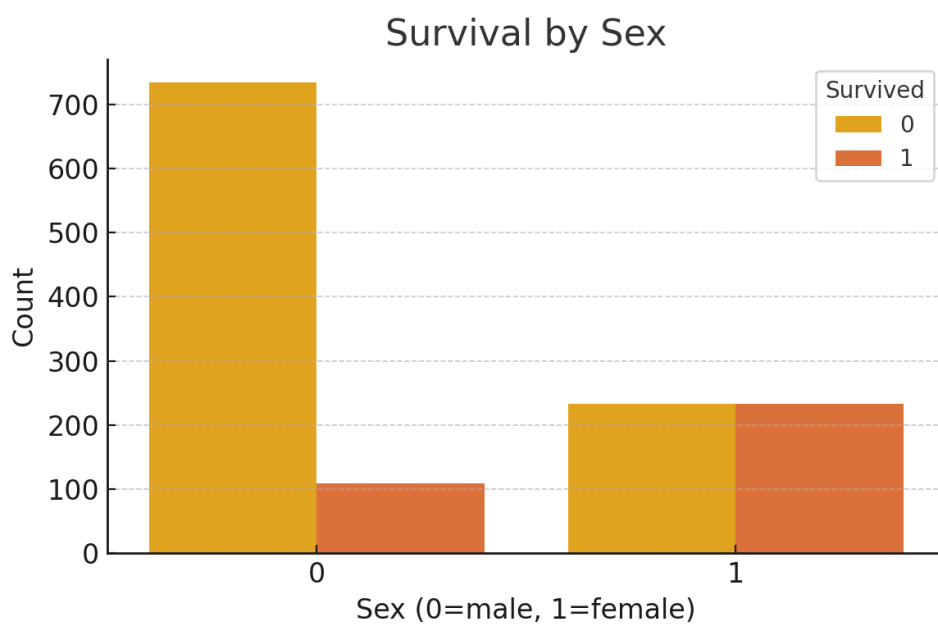


3.3 Survival Counts

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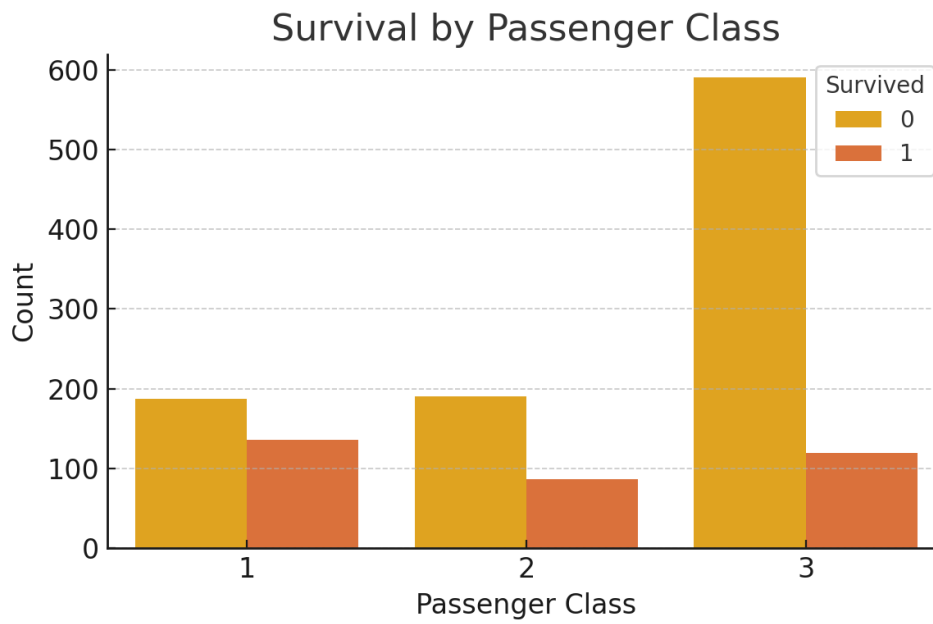


3.4 Survival by Sex



3.5 Survival by Passenger Class

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4. Key Findings

- Majority of passengers are between 20-40 years old.
- Higher survival rates for females compared to males.
- Passengers in 1st class had higher survival chances than 2nd and 3rd class.
- Most fares were between 0 and 100, but few extreme outliers exist.