

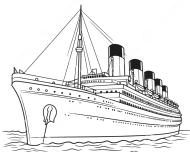
Titanic Data Dashboard

Average Age : 30
Total Fare : 14,870.99
Total Rate of Survival : 36.36 %

Fare by Class:
• 1st Class: \$94.28
• 2nd Class: \$22.20
• 3rd Class: \$12.47

Total Passengers

418

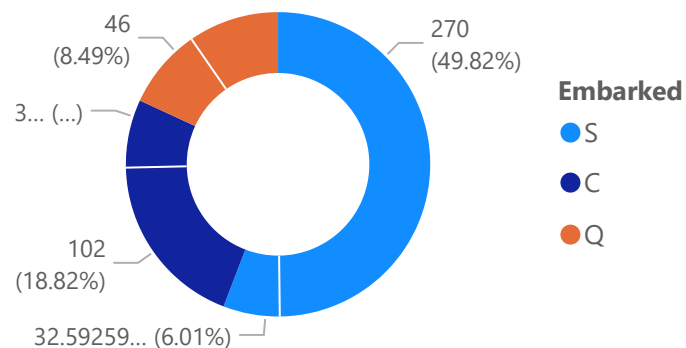


Male
Passengers
266

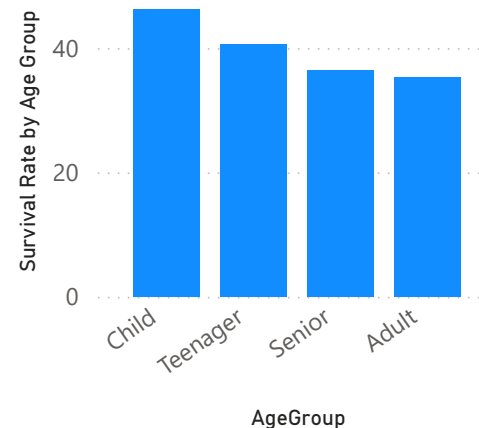


Female
Passengers
152

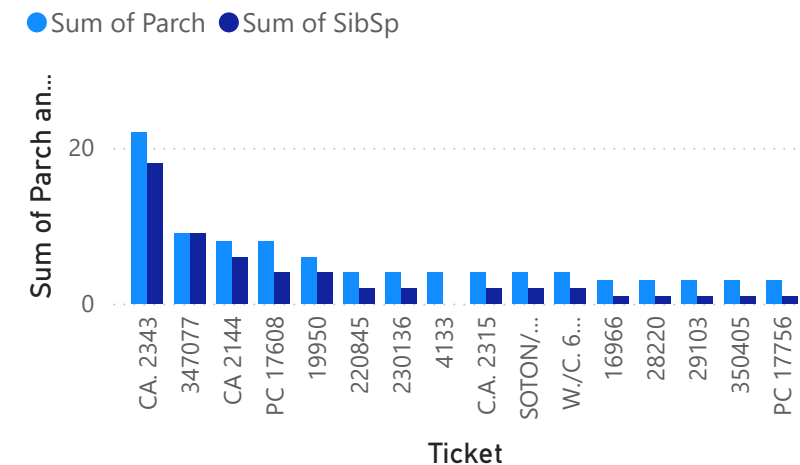
Count of PassengerId and Survival Rate by Embarkation Point



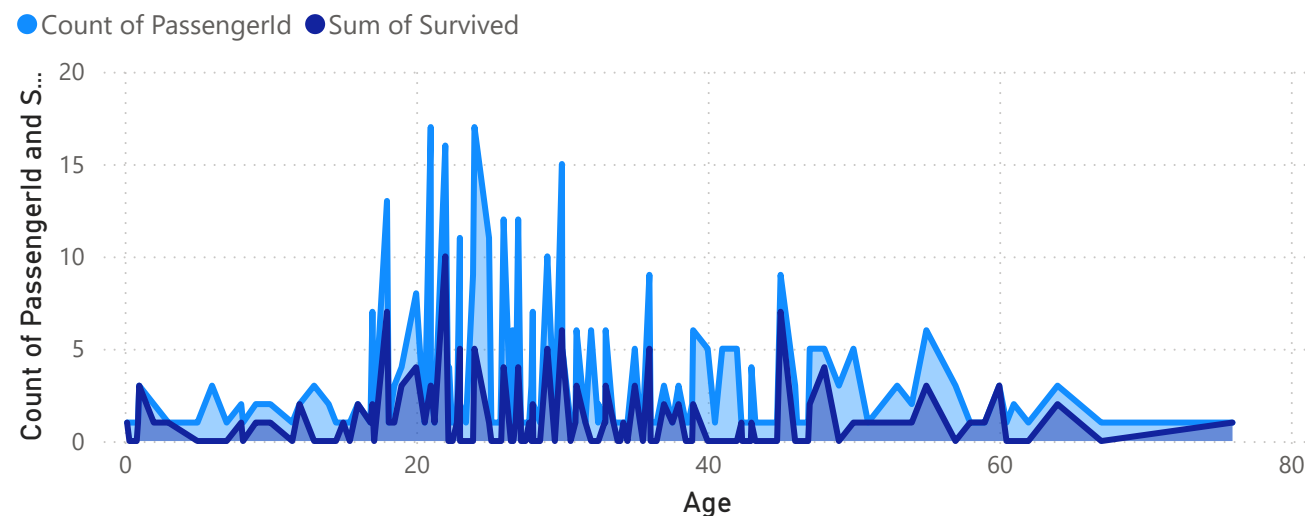
Survival Rate by Age Group



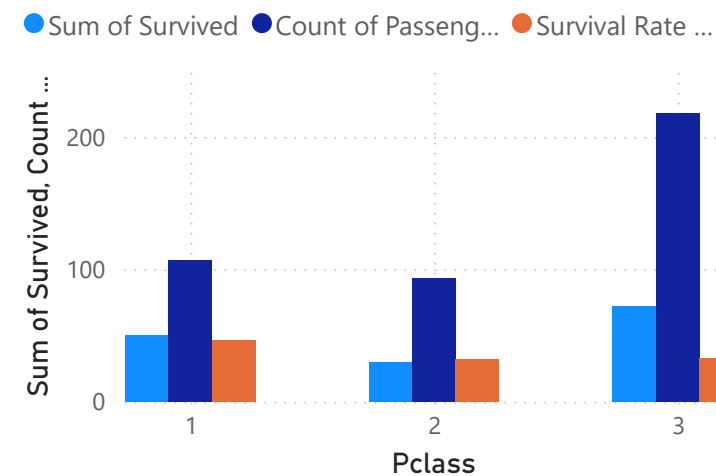
Sum of Parch and Sum of SibSp by Ticket



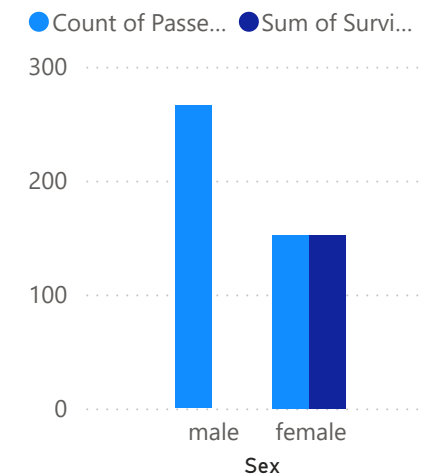
Count of PassengerId and Sum of Survived by Age



Sum of Survived, Count of PassengerId and Survival Rate by Pclass



Count of PassengerId and Sum of Survived by Sex



TITANIC DATASET

Introduction:

The Titanic dataset provides detailed information about the passengers aboard the RMS Titanic, a British passenger liner that sank in the North Atlantic Ocean on April 15, 1912, after striking an iceberg. The dataset includes variables such as passenger class, age, gender, fare, and survival status, among others. The purpose of this analysis is to explore the factors that influenced survival rates and to provide actionable insights based on the key performance indicators (KPIs). By analyzing the survival rates by class, gender, age group, and embarkation point, I aim to understand the demographic and socioeconomic factors that affected passenger outcomes during this tragic event.

Executive Summary:

This report presents an analysis of the survival rates of passengers on the Titanic, using the Titanic dataset. Key performance indicators (KPIs) include overall survival rates, survival rates by class, gender, age group, and embarkation point. The overall survival rate for the dataset is 36.36%. Key findings indicate that passengers in 1st class had a significantly higher survival rate (46.73%) compared to those in 2nd (32.26%) and 3rd class (33.03%). Female passengers had a 100% survival rate, indicating a strong adherence to the "women and children first" evacuation policy. Survival rates also varied by age group, with children (0-12) having the highest survival rate at 46.15%. The highest survival rate by embarkation point was from Queenstown (52.17%).

KPIs and Metrics:

- **Total Passengers:** 418
 - **Survivors:** 152
 - **Survival Rate:** 36.36%
- **Survival Rate by Class:**
 - 1st Class: 46.73%
 - 2nd Class: 32.26%
 - 3rd Class: 33.03%
- **Survival Rate by Gender:**
 - Female: 100.00%
 - Male: 0.00%
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- **Survival Rate by Age Group:**
 - Child (0-12): 46.15%
 - Teenager (13-18): 40.63%
 - Adult (19-60): 35.24%
 - Senior (61-80): 36.36%
- **Survival Rate by Embarkation Point:**
 - Cherbourg (C): 39.22%
 - Queenstown (Q): 52.17%
 - Southampton (S): 32.59%