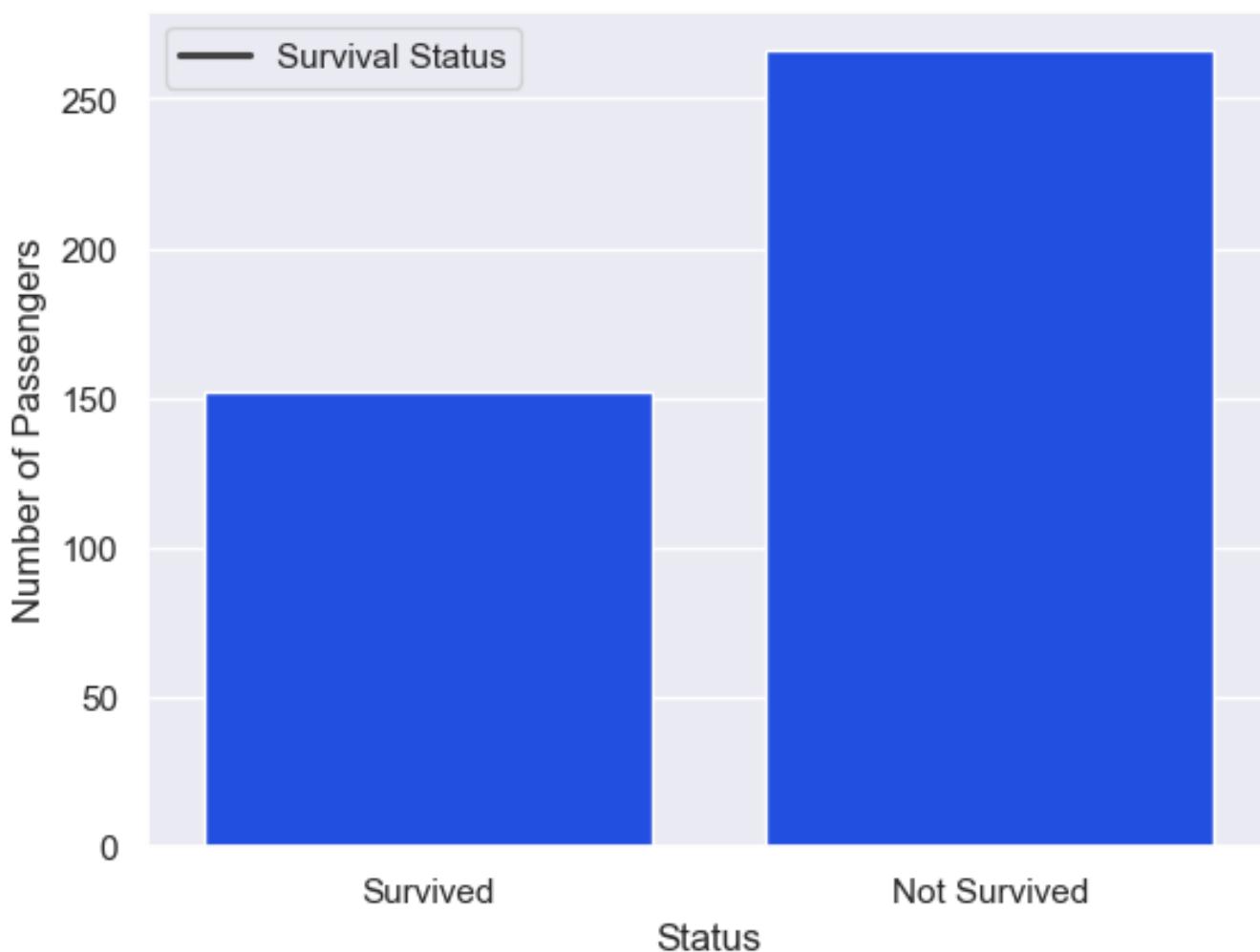


Titanic Data Analysis Report

Titanic Survival Counts

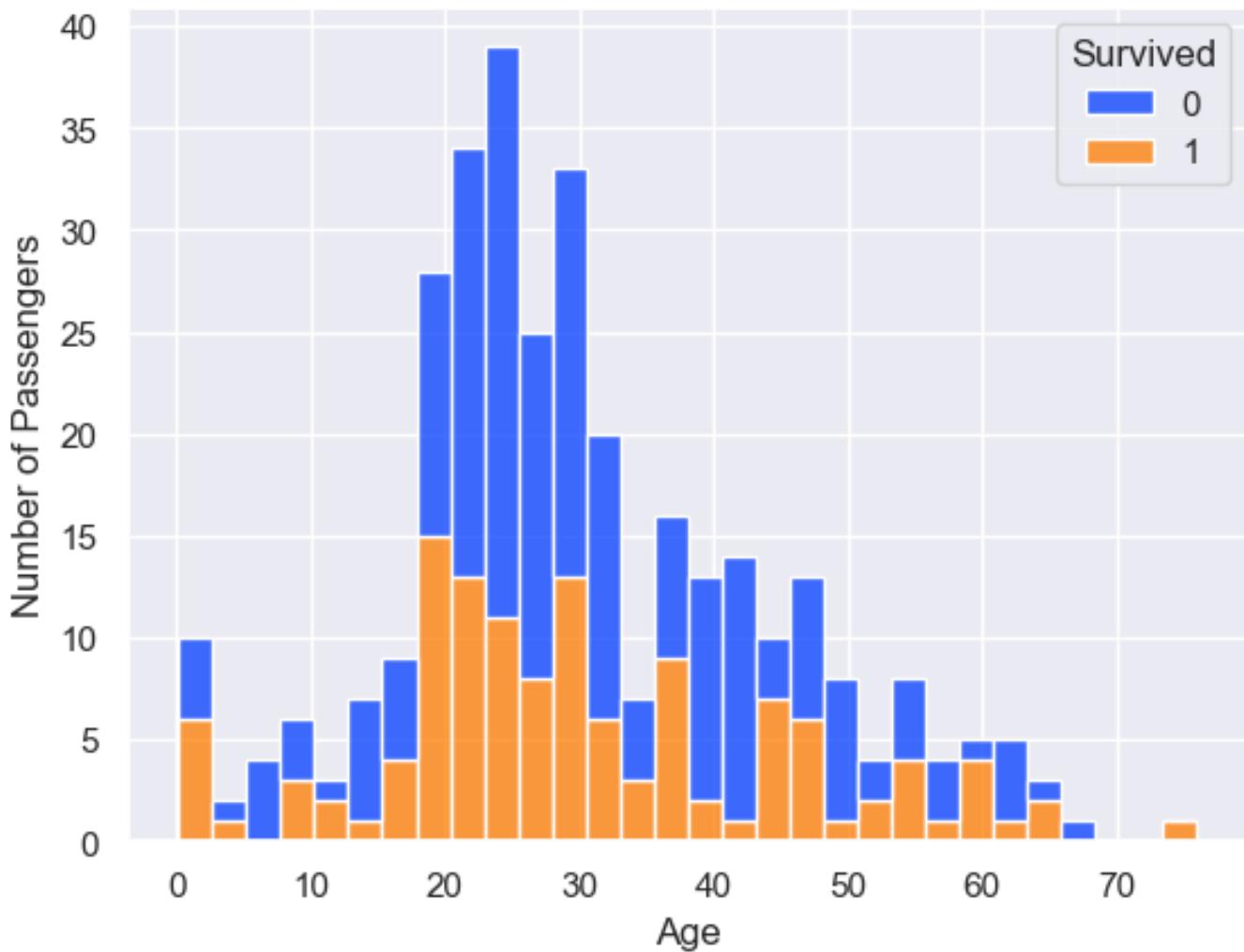


Number of Survivors: 152

Number of Non-Survivors: 266

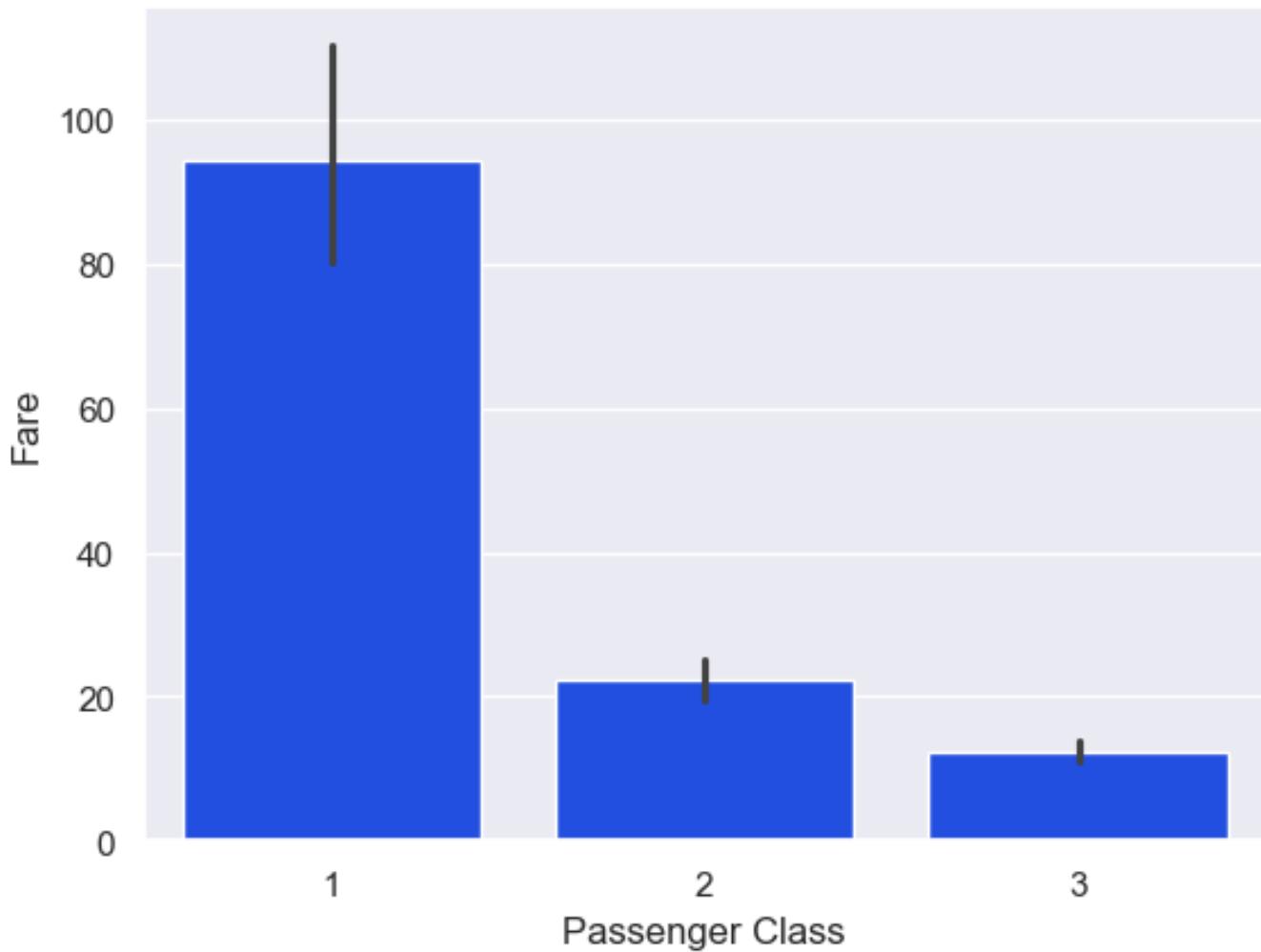
Number of survivors is less than non-survivors, almost by half.

Age Distribution by Survival Status



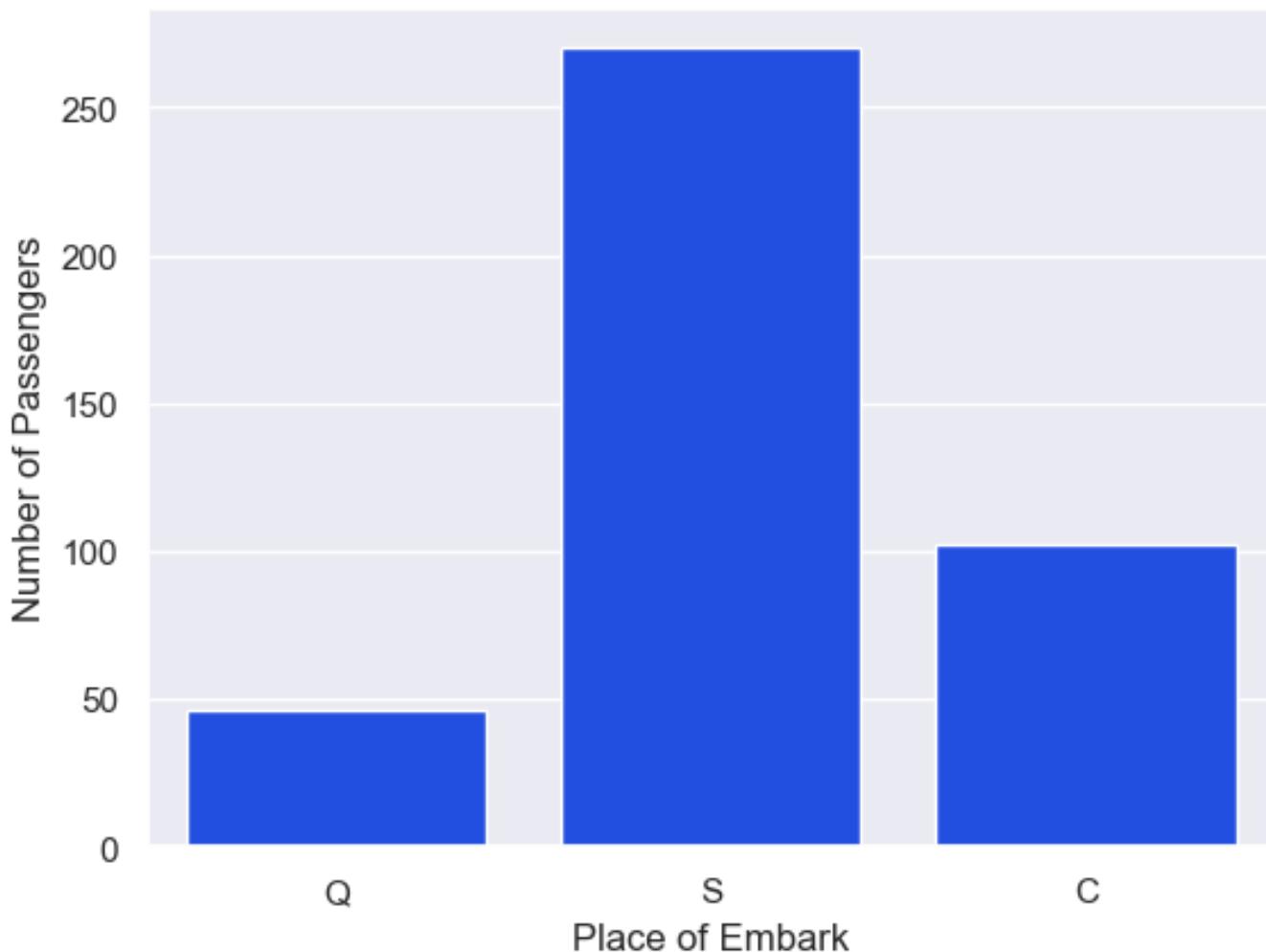
The age group with highest survival rate appears to be children then the elderly, possibly due to evacuation priority or more assistance.

Fare Distribution by Passenger Class



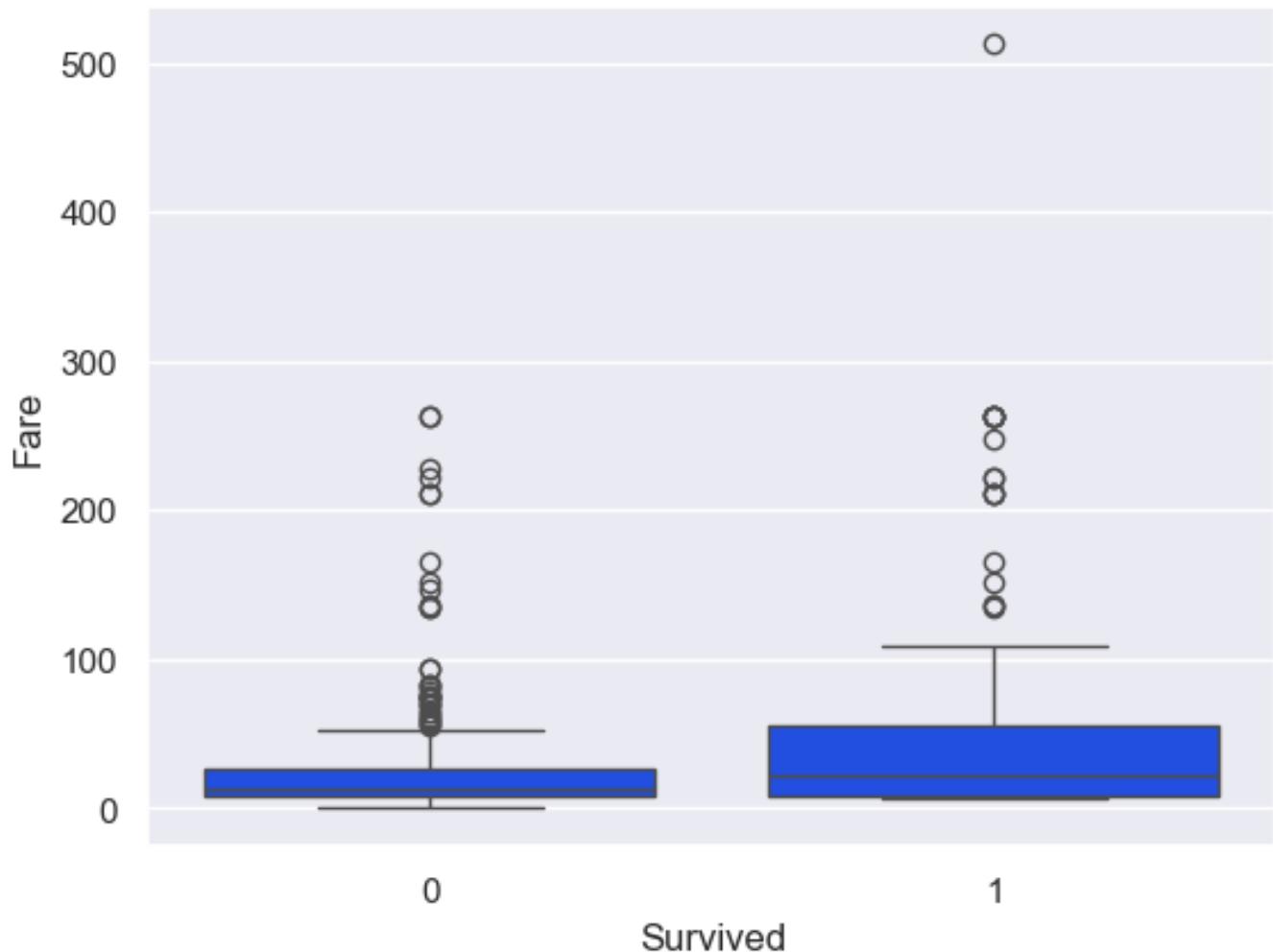
As the passenger class increases, the fare also increases.

Number of Passengers by Embarkation Port



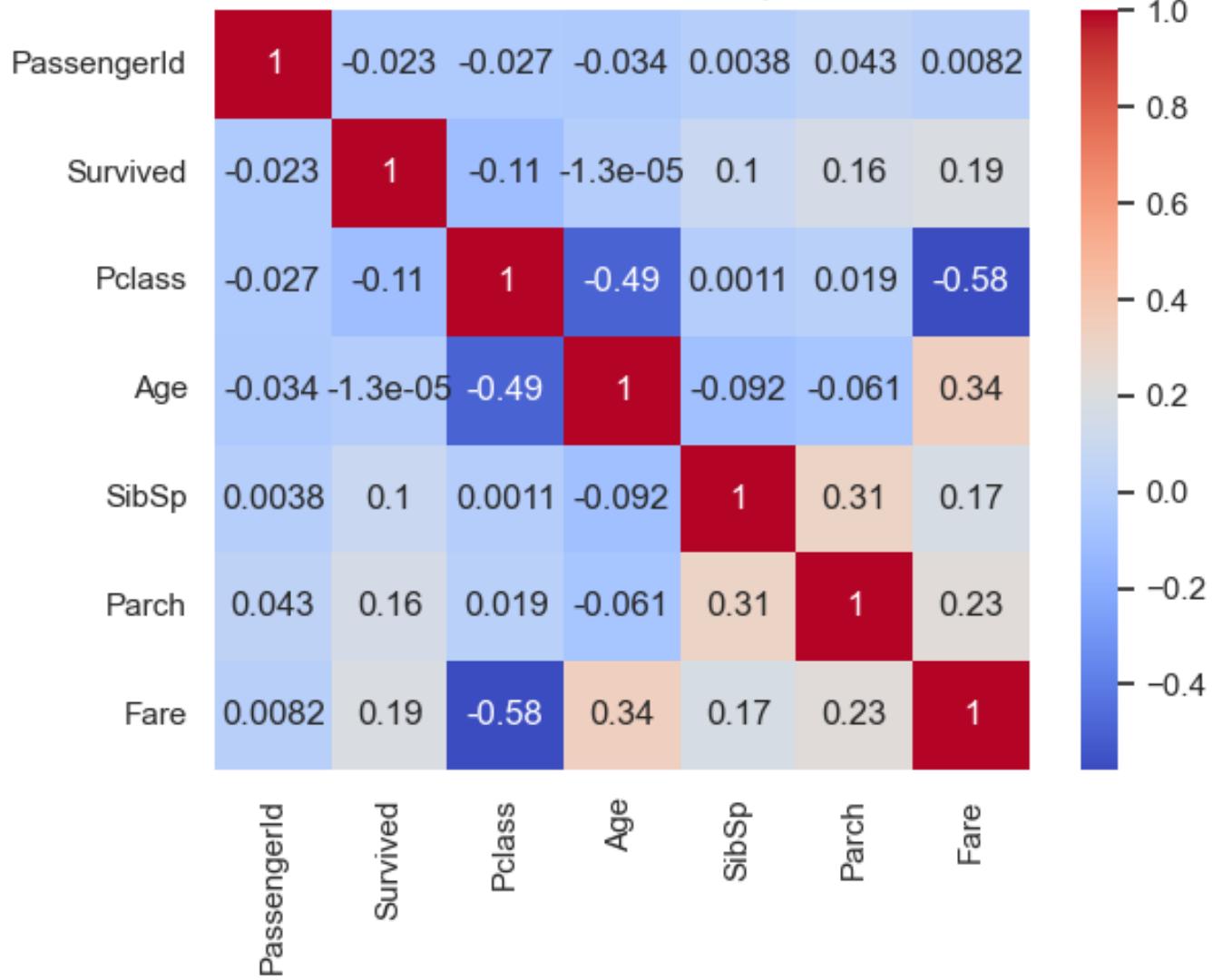
Most passengers embarked from S, then C, then Q.

Fare vs Survived



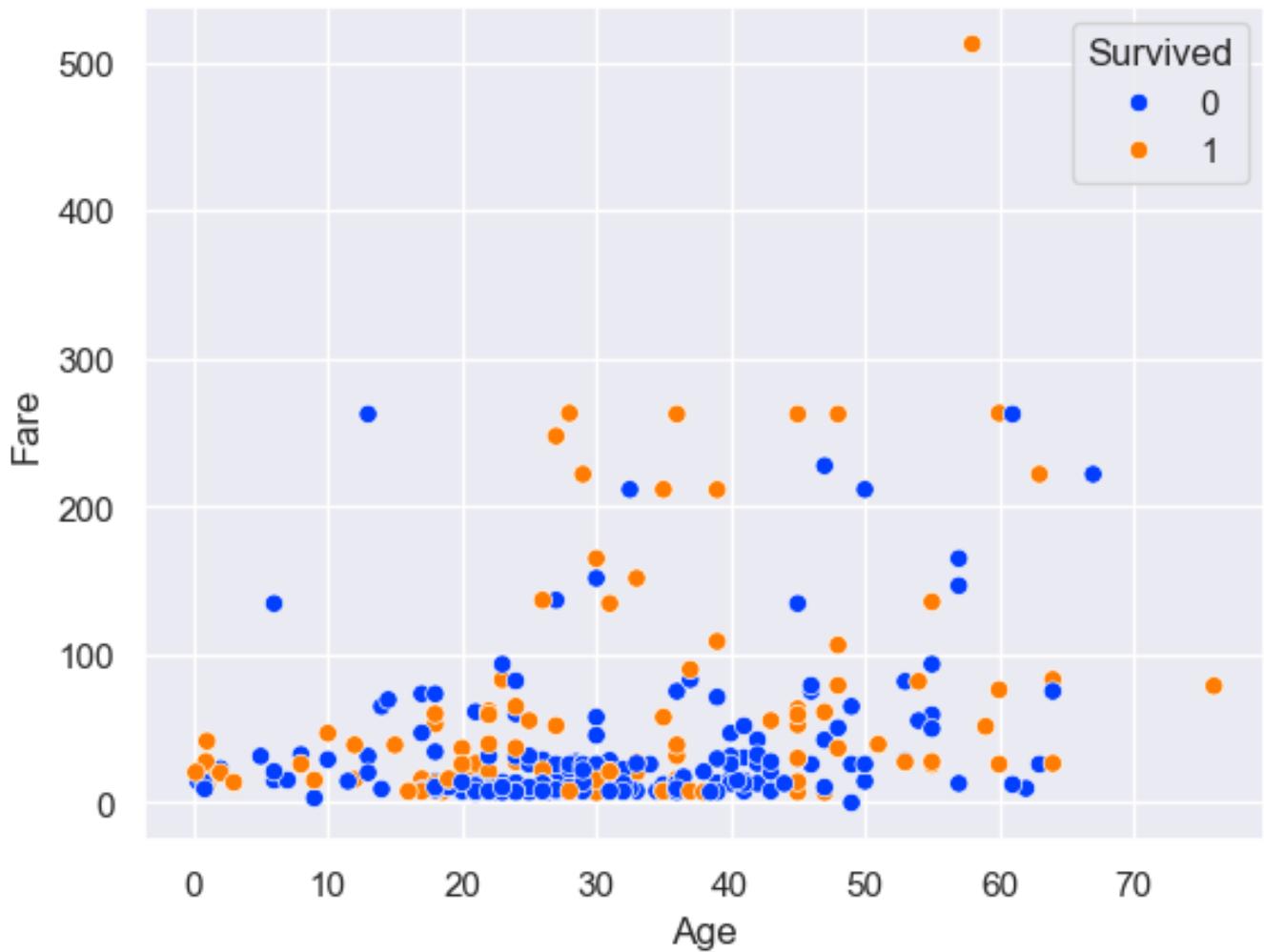
Passengers who survived paid higher fares on average compared to those who did not survive.

Correlation Heatmap



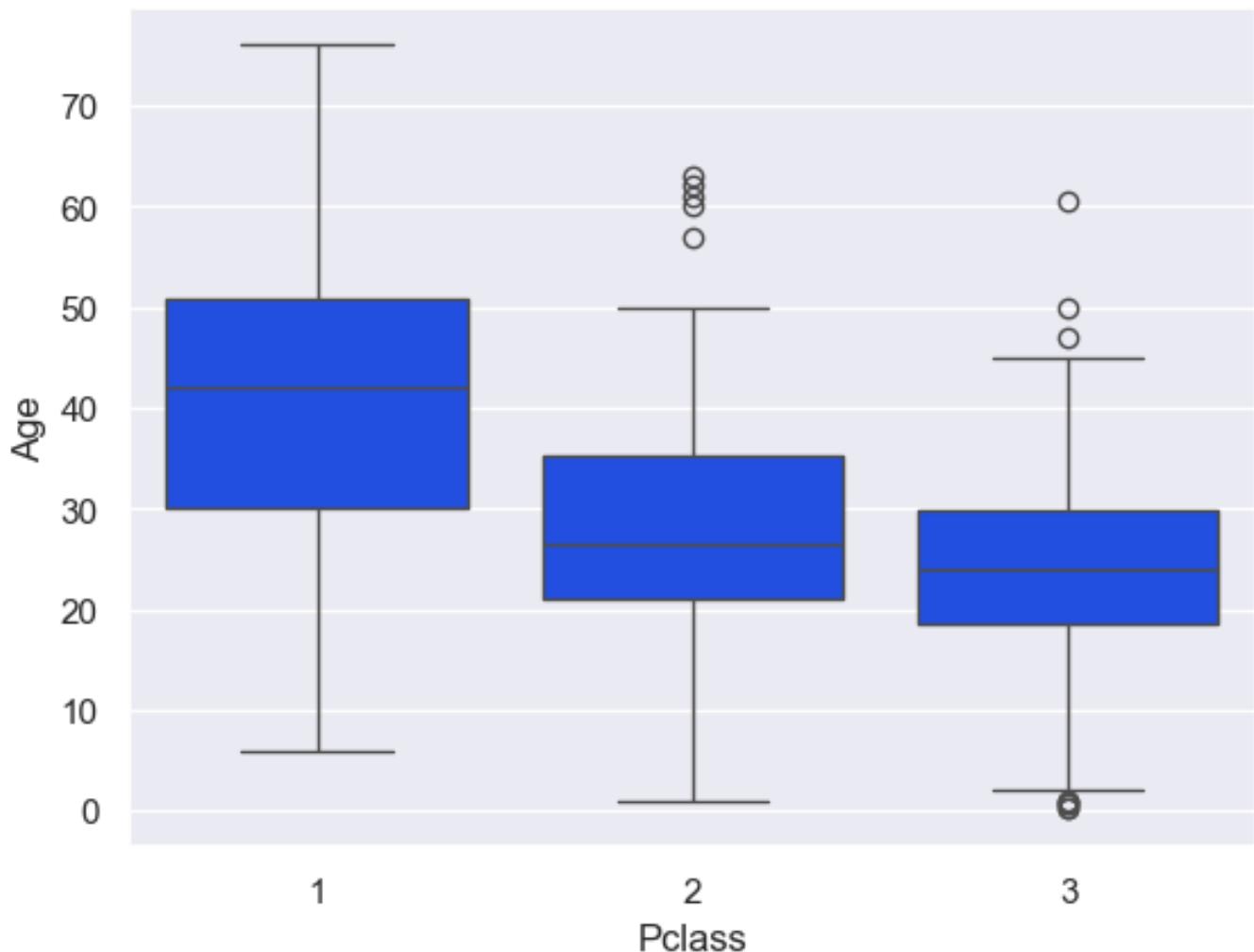
There is strong correlation between survived and fare paid, and also between age and fare.

Scatterplot of Age vs Fare by Survival



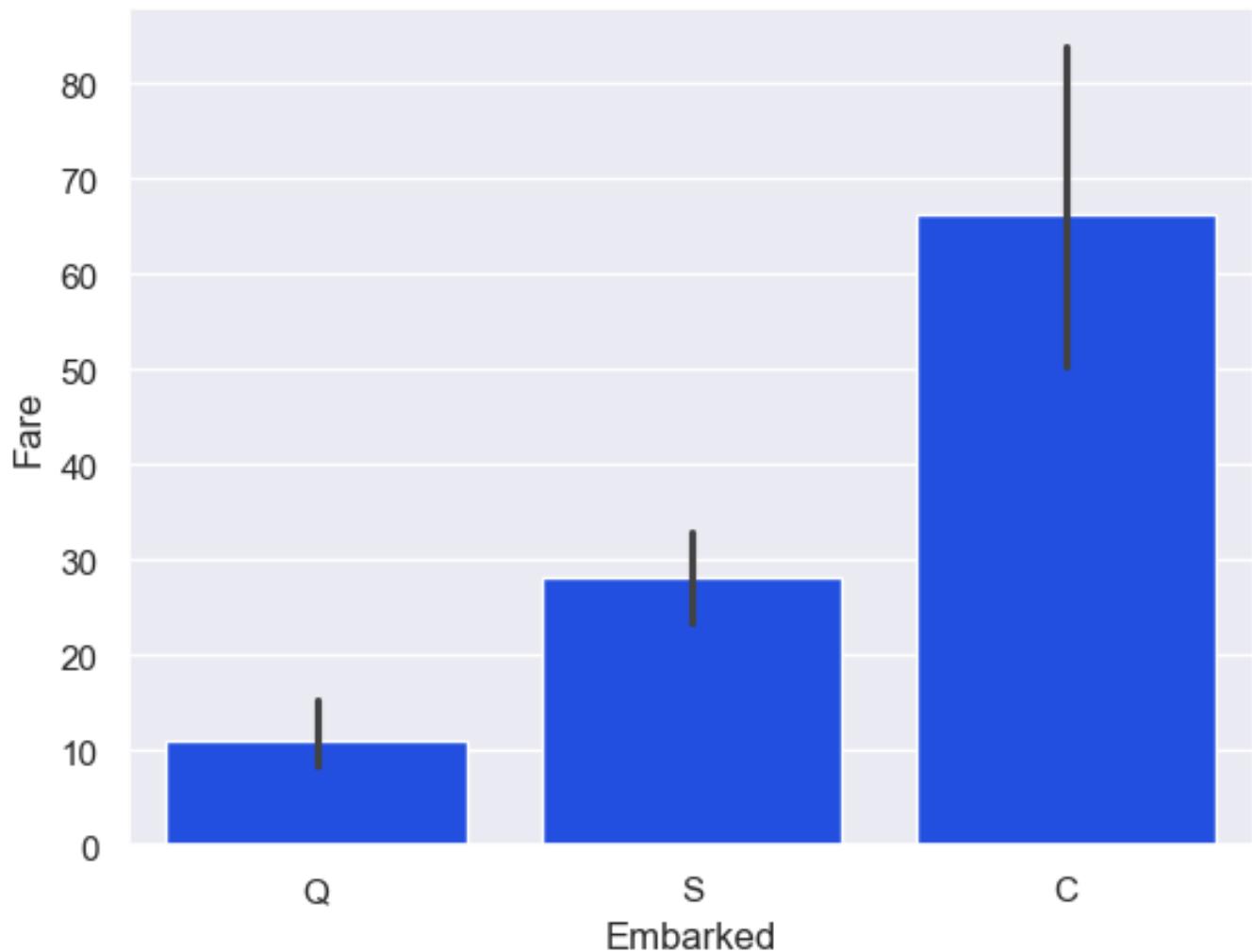
Younger passengers who paid higher fares had a higher survival rate compared to older passengers who paid lower fares.

Boxplot of Age by Passenger Class



The graph shows that the higher the class, the higher the age on average.

Barplot of Fare by Embarkation Port



Location C has the highest fare on average, then S, then Q.