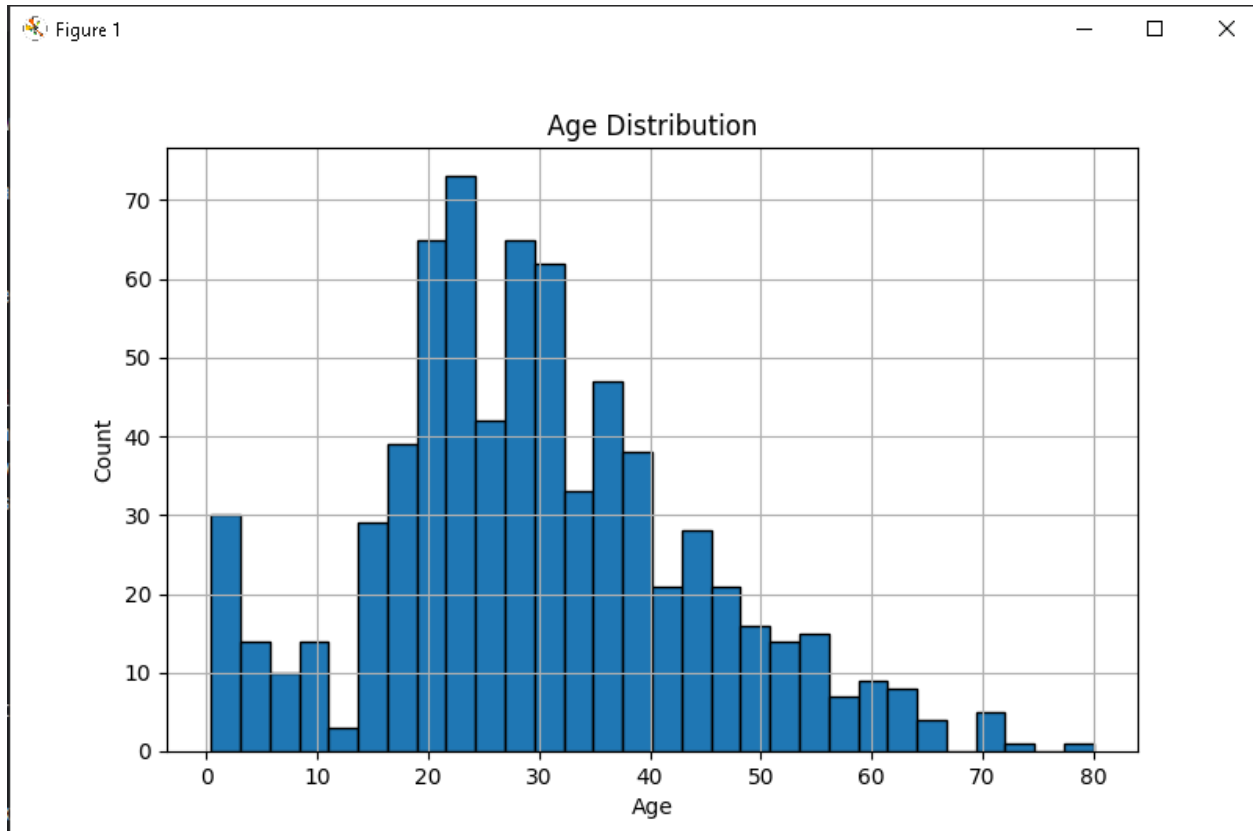# PDF Report of Findings
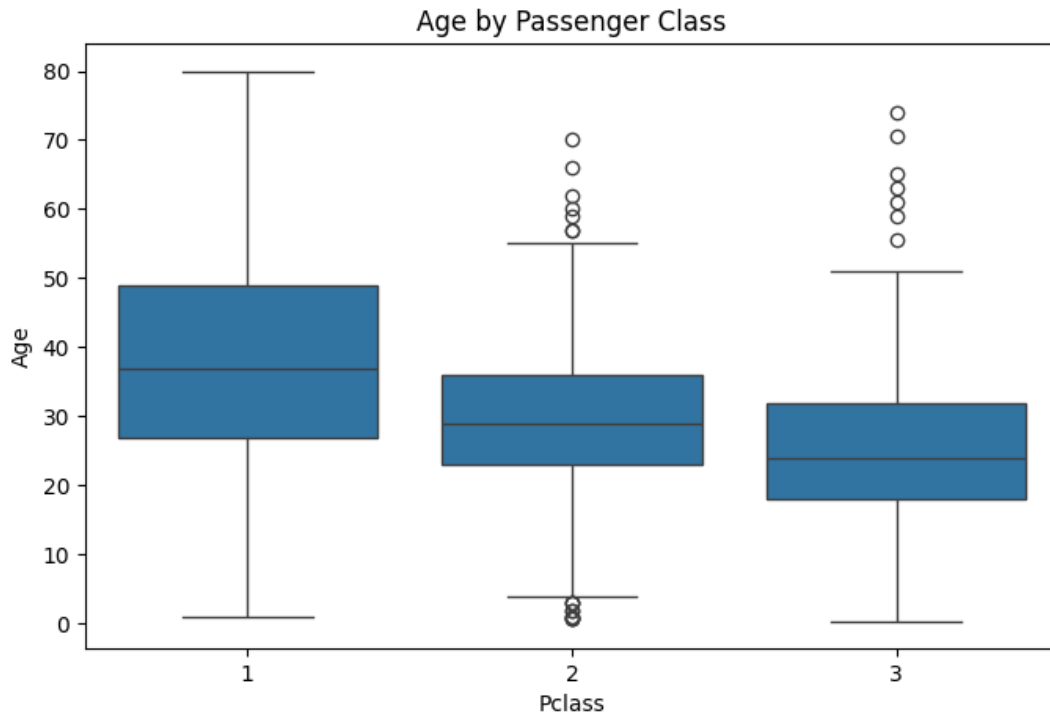

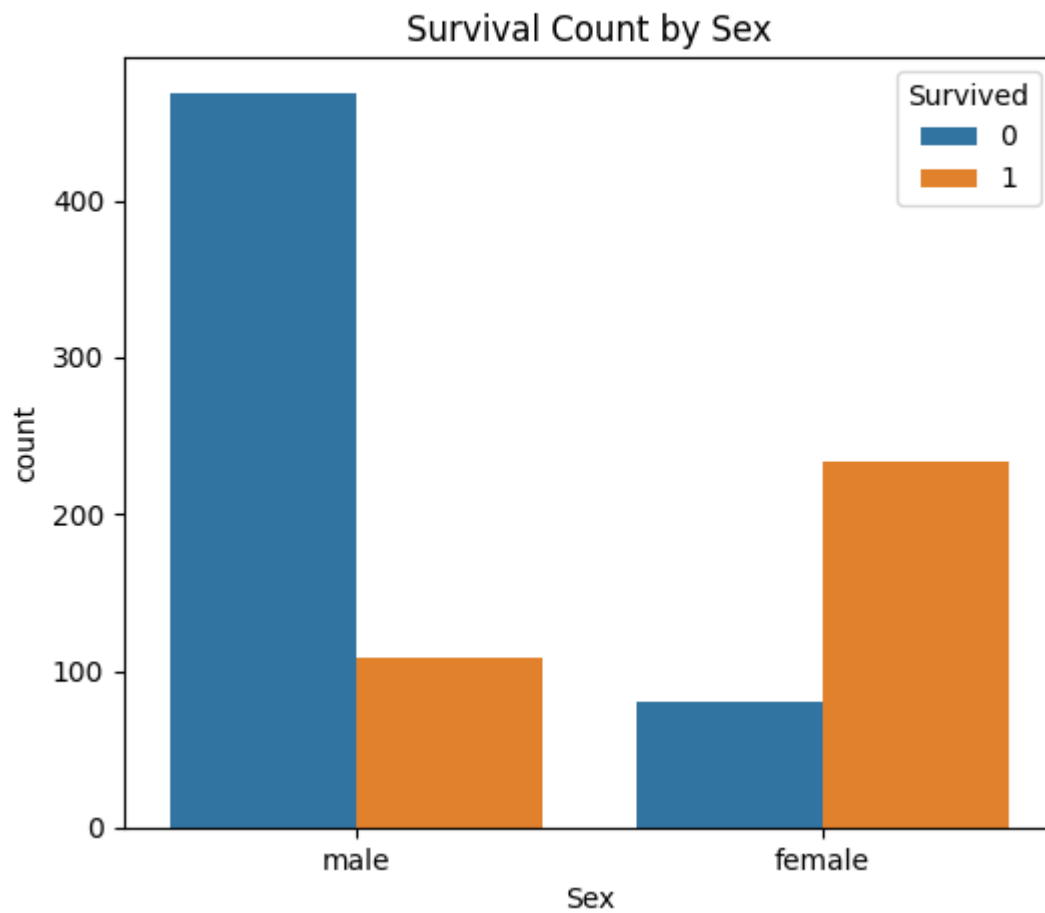**Observation: Most passengers were 20–40 years old; there were also many children and fewer elderly.**
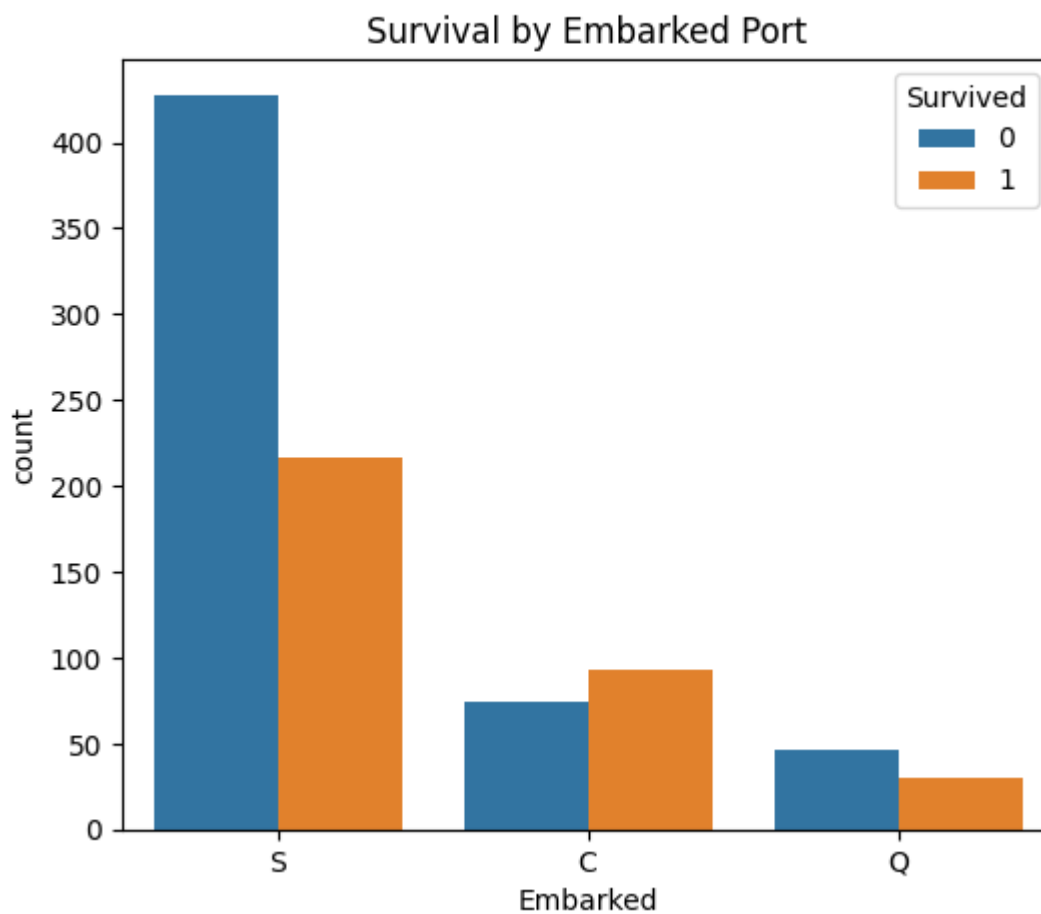
Age by Passenger Class

Observation: First-class passengers are generally older, third - class has more young passengers and children.

Figure 1

Survival Count by Sex

Observation: Females had a much higher survival rate compared to males.

Survival by Embarked Port

Observation: Passengers from 'C' port had a higher survival rate compared to 'S' and 'Q'.

Figure 1 — □ ✕

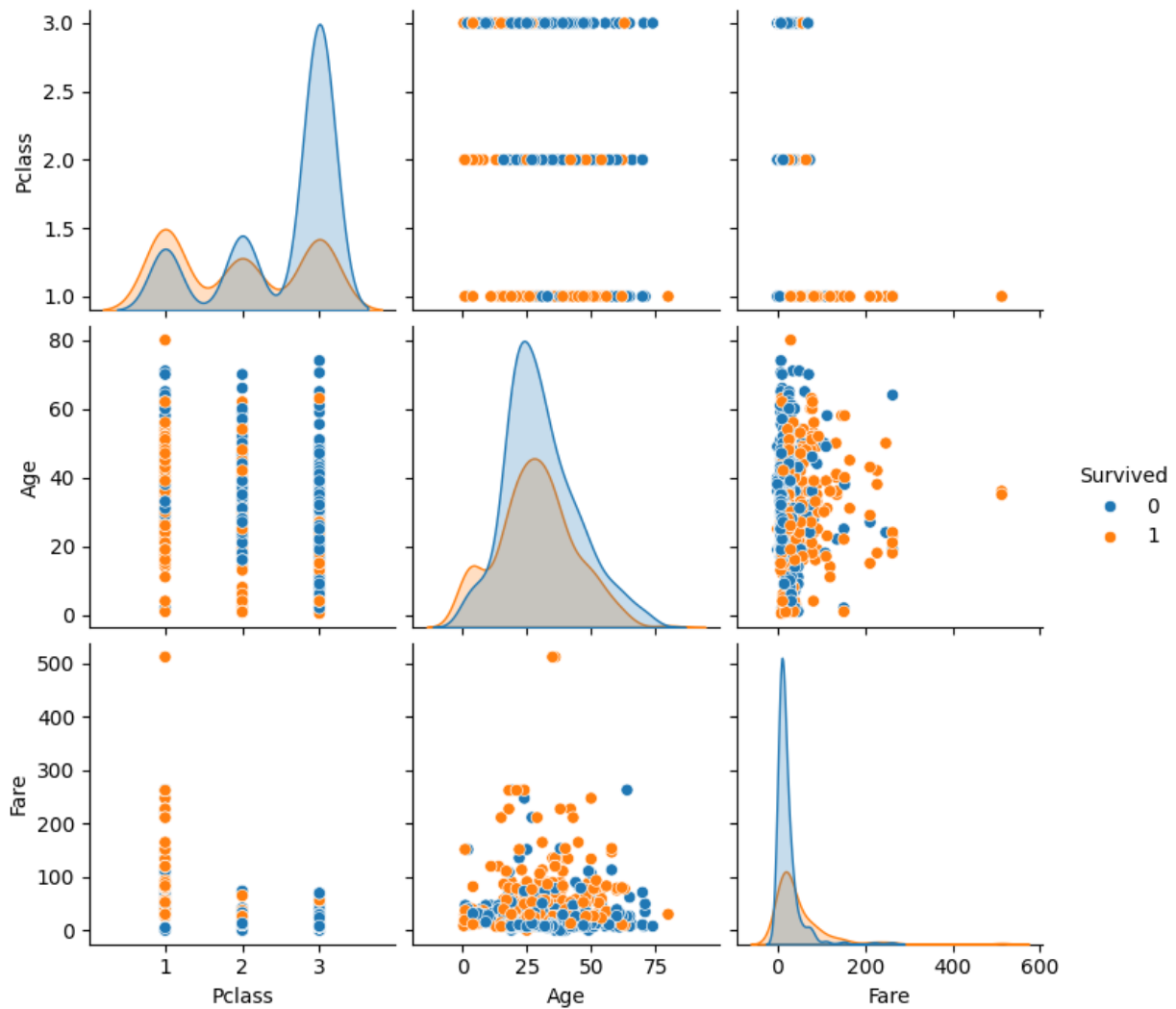## Fare Distribution
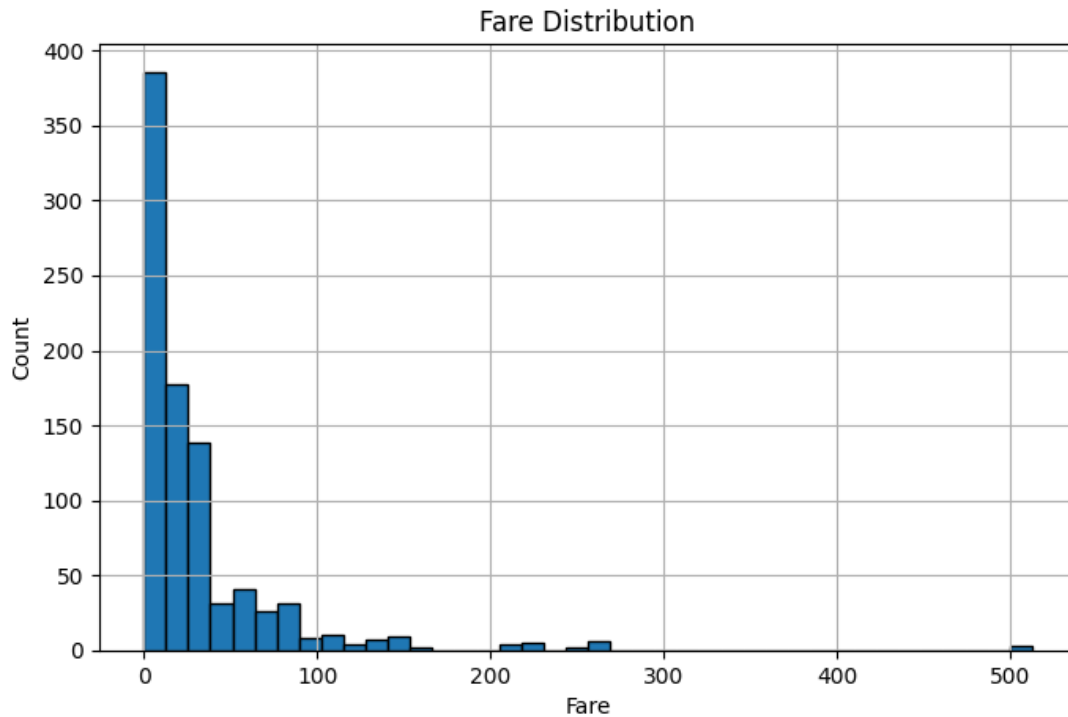
Observation: Most fares were under $50; some extreme outliers above $500.
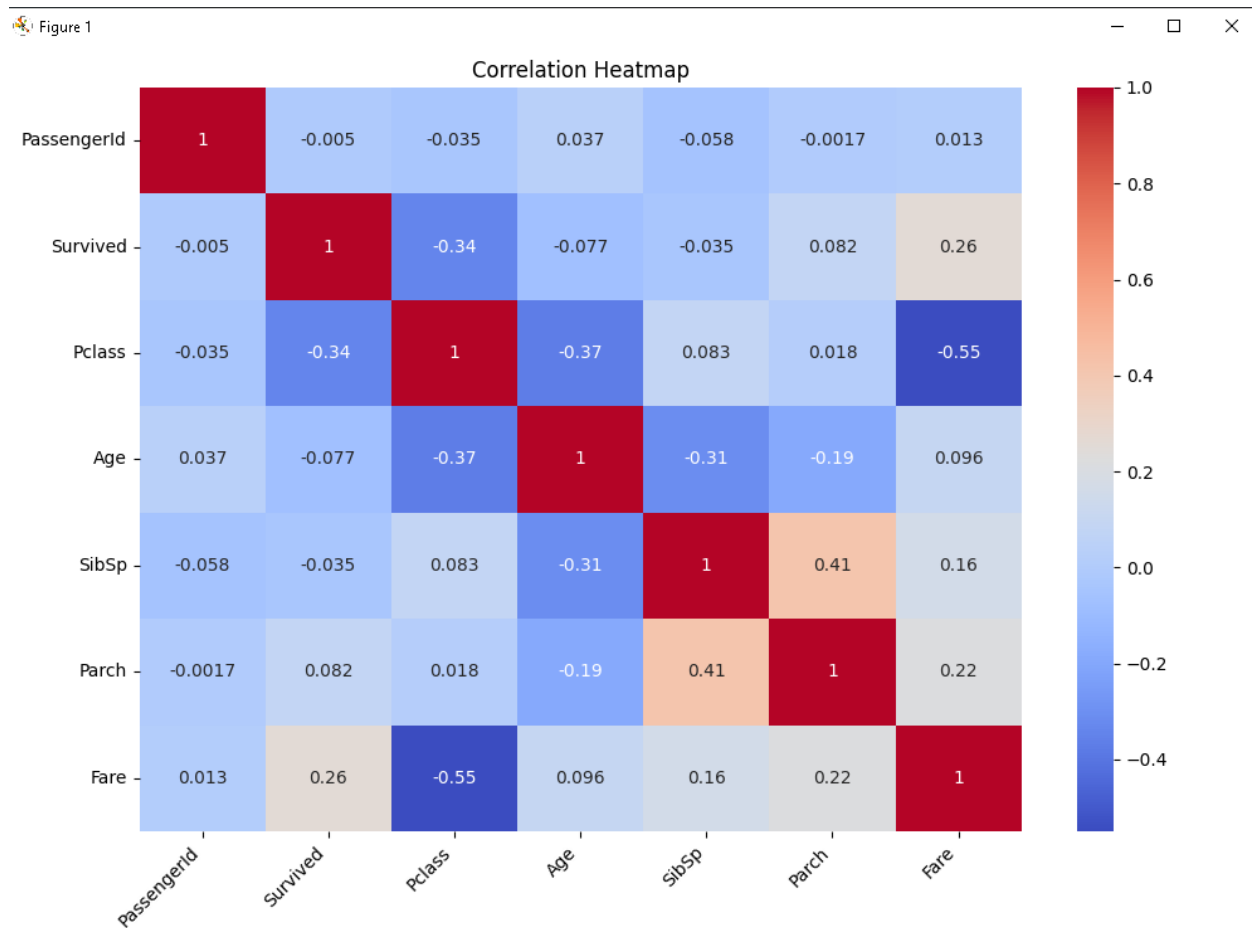
Age vs Fare by Survival
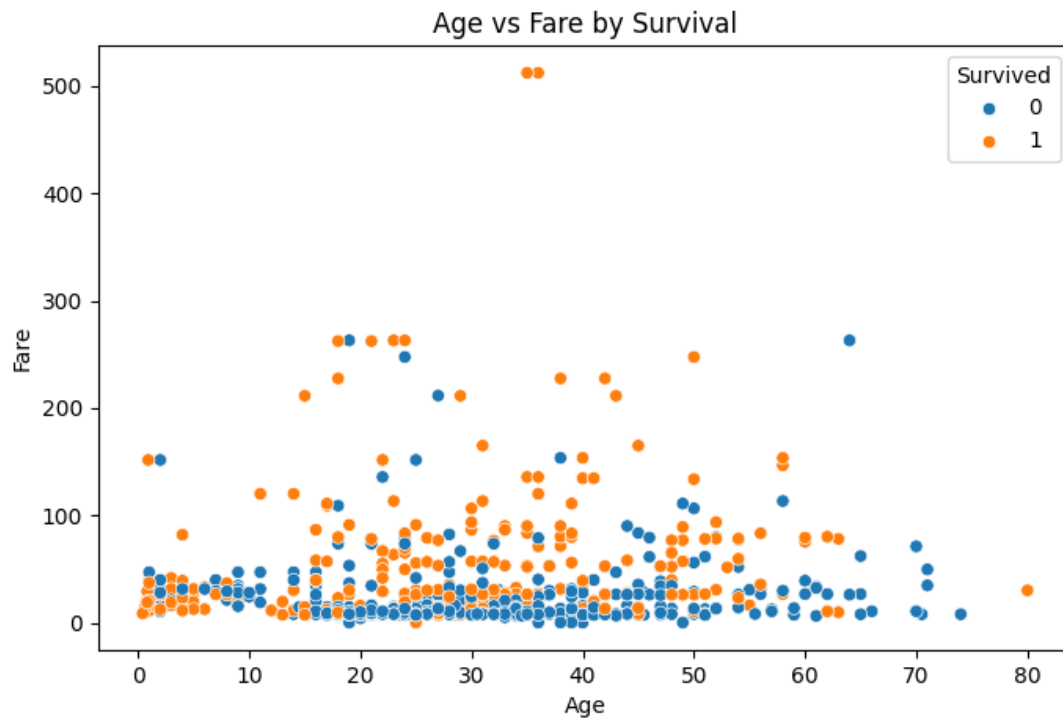
Observation: High fares are mostly from survivors in first class; survivors are found in all age groups.

Observation: Survival is higher in first class and with higher fares.

Observation: Pclass (-0.34) and Fare (0.26) are the strongest correlations with survival.

Summary of Findings

1. Women had much higher survival rates than men.

2. First-class passengers were generally older and more likely to survive.

3. Higher fare prices correlated with higher survival rates.

4. Passengers from Cherbourg ('C') port had better survival odds.

5. Many survivors were either young children or middle-aged adults.

6. Strong negative correlation between Pclass and survival; wealthier passengers had an advantage.