

## Dataset Info

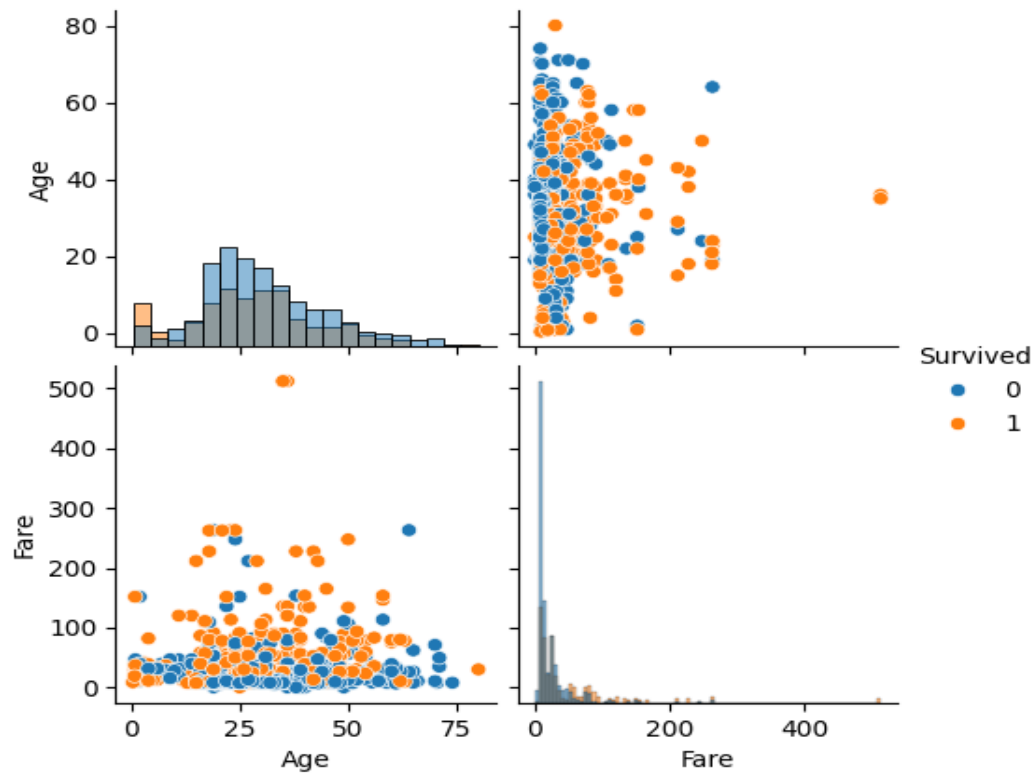
None

## Dataset Description

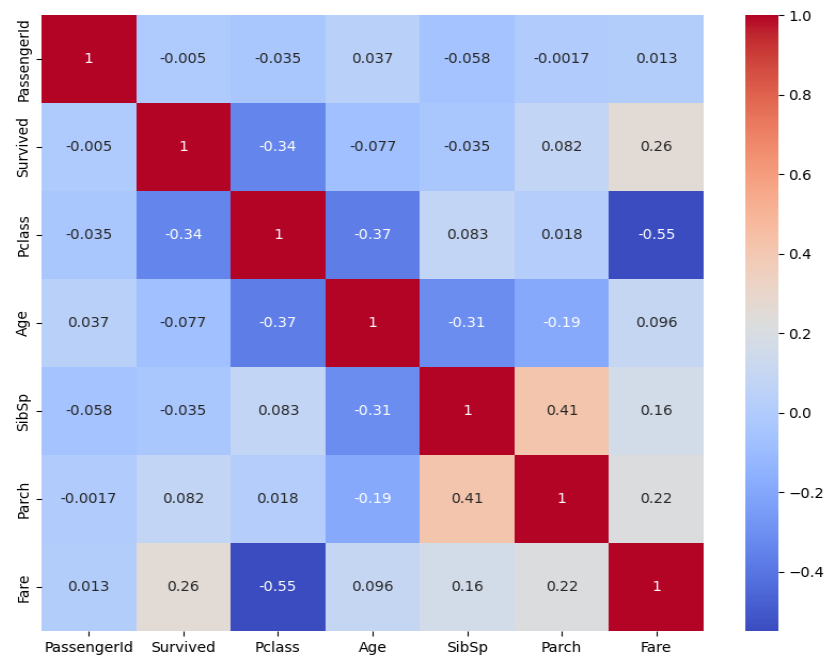
PassengerId Survived Pclass Age SibSp Parch Fare  
count 891.000000 891.000000 891.000000 714.000000 891.000000 891.000000 891.000000  
mean 446.000000 0.383838 2.308642 29.699118 0.523008 0.381594 32.204208  
std 257.353842 0.486592 0.836071 14.526497 1.102743 0.806057 49.693429  
min 1.000000 0.000000 1.000000 0.420000 0.000000 0.000000 0.000000  
25% 223.500000 0.000000 2.000000 20.125000 0.000000 0.000000 7.910400  
50% 446.000000 0.000000 3.000000 28.000000 0.000000 0.000000 14.454200  
75% 668.500000 1.000000 3.000000 38.000000 1.000000 0.000000 31.000000  
max 891.000000 1.000000 3.000000 80.000000 8.000000 6.000000 512.329200

## Unique Value Counts

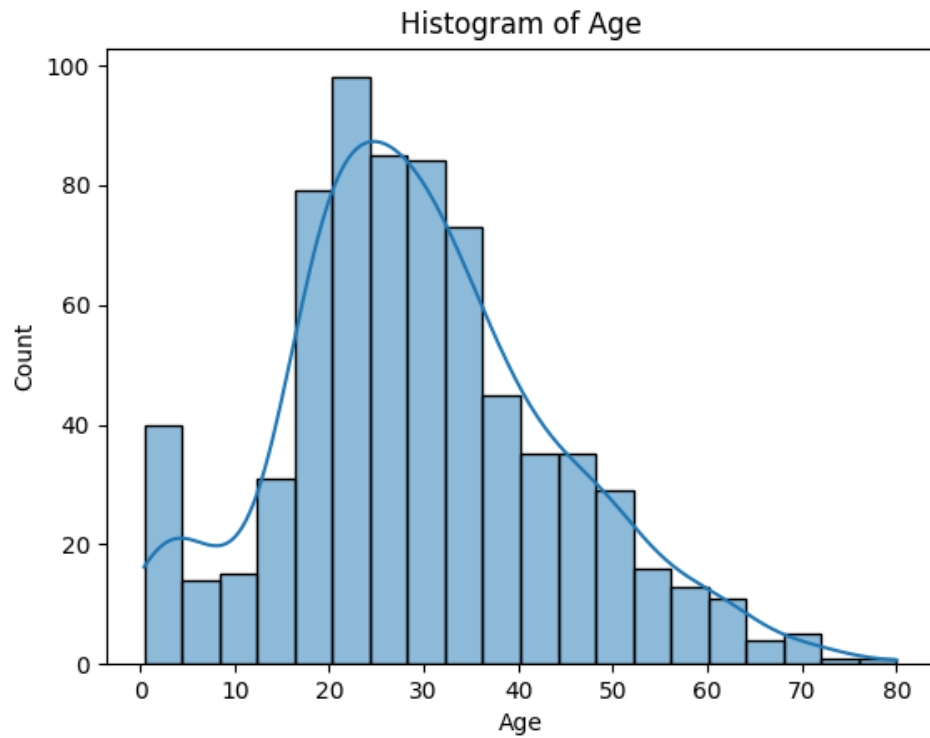
PassengerId 891  
Survived 2  
Pclass 3  
Name 891  
Sex 2  
Age 88  
SibSp 7  
Parch 7  
Ticket 681  
Fare 248  
Cabin 147  
Embarked 3



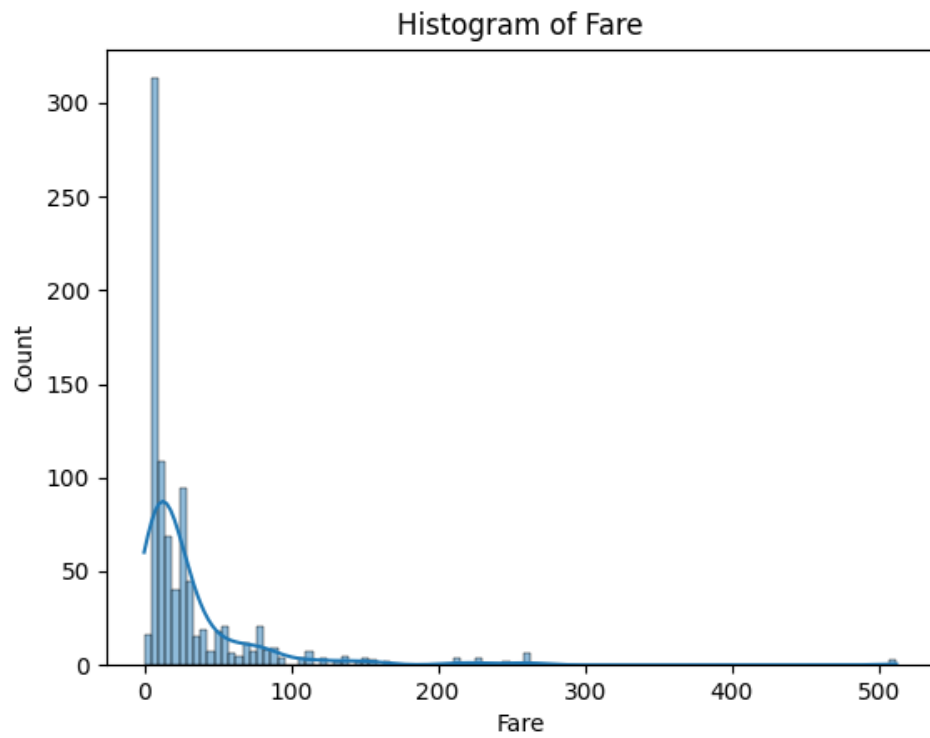
The pairplot shows that survivors tended to pay higher fares and were slightly younger on average.



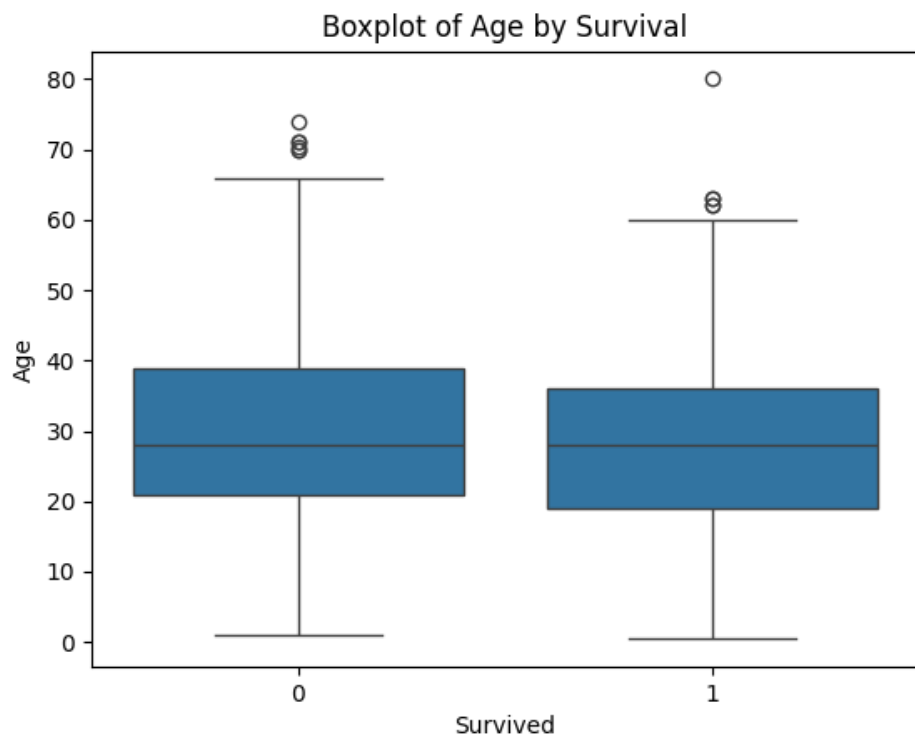
The heatmap shows Fare and Pclass are moderately correlated (-0.55), Survived is positively correlated with Fare, and negatively with Pclass.



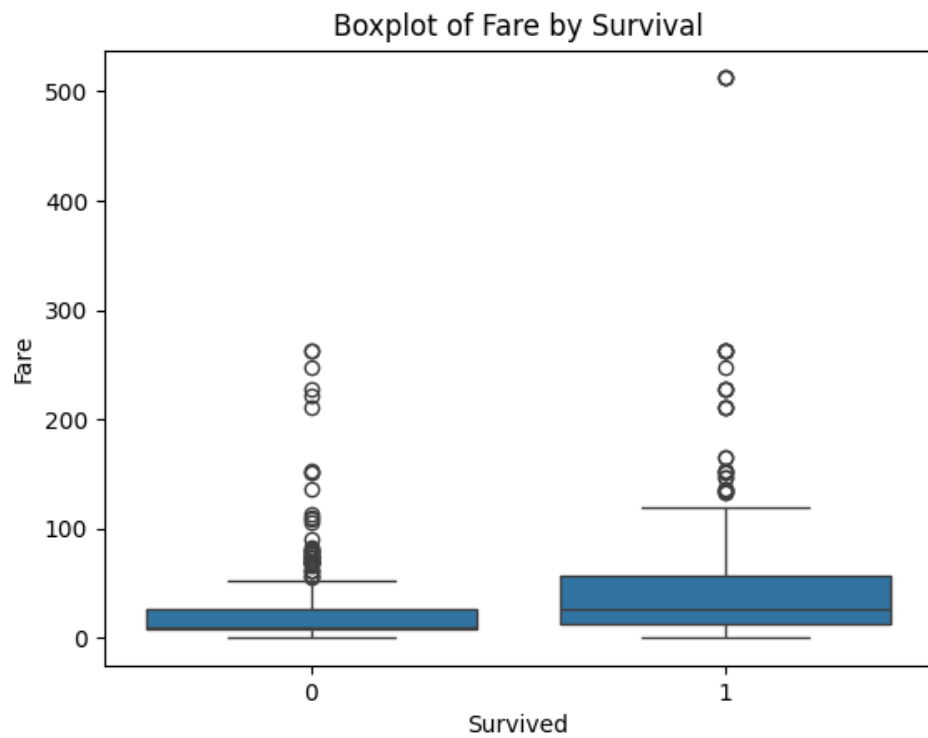
The Age histogram shows most passengers were between 20-40 years old, with a small peak for young children.



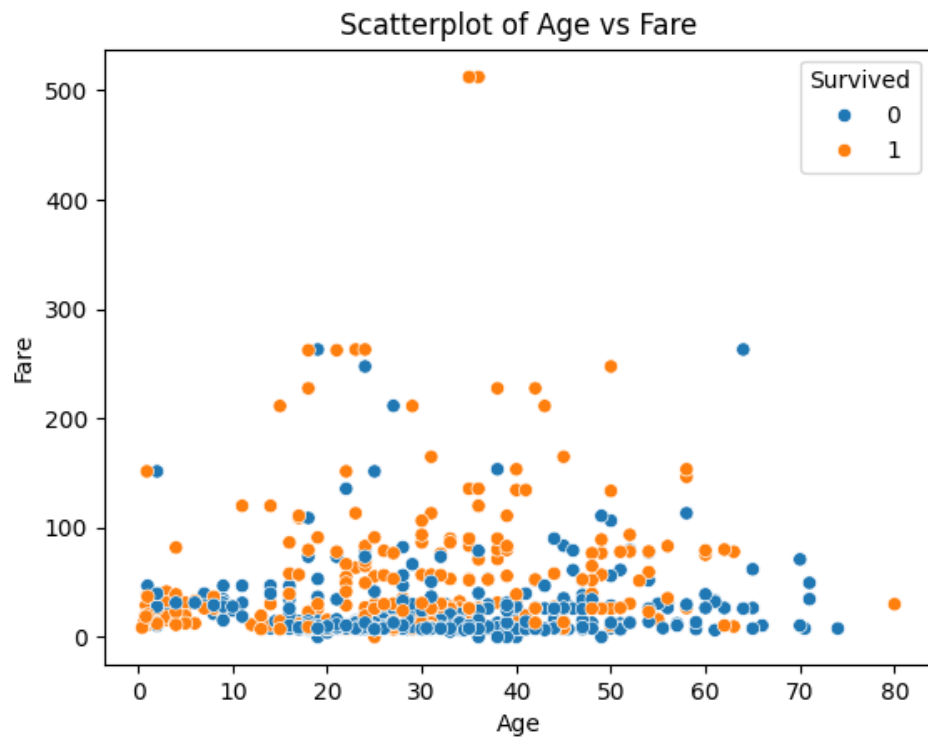
The Fare histogram is right-skewed, with most fares under 100 but a few extreme outliers.



Survivors and non-survivors had similar median ages, but survivors had more younger passengers.



Survivors generally paid higher fares compared to non-survivors.



Survivors are more concentrated in the higher fare range, especially among younger passengers.