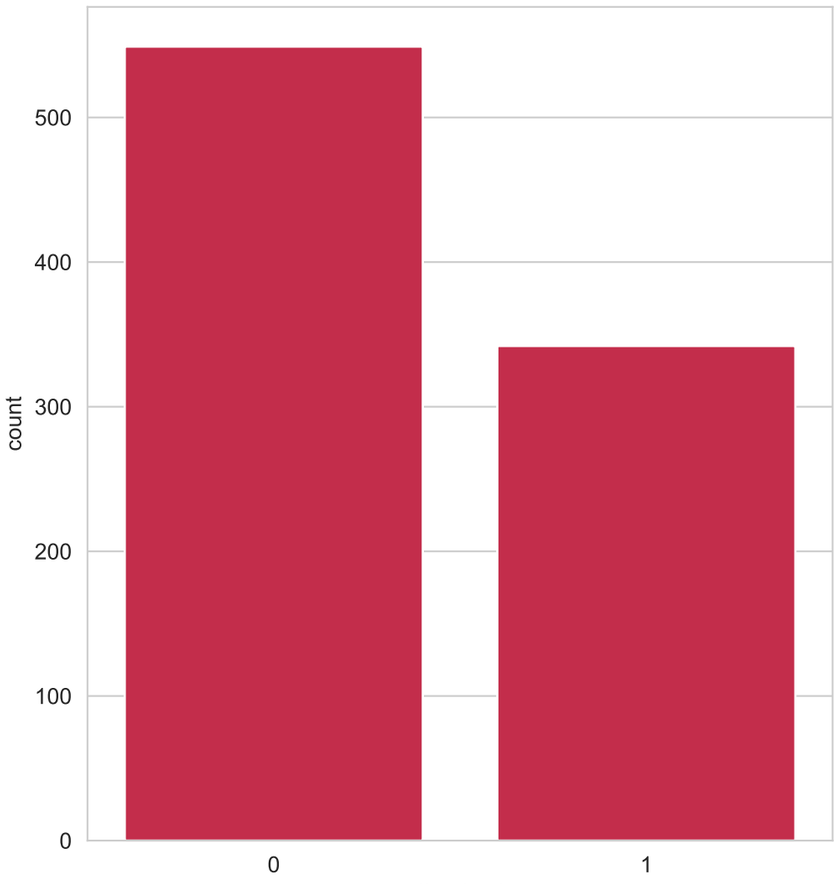
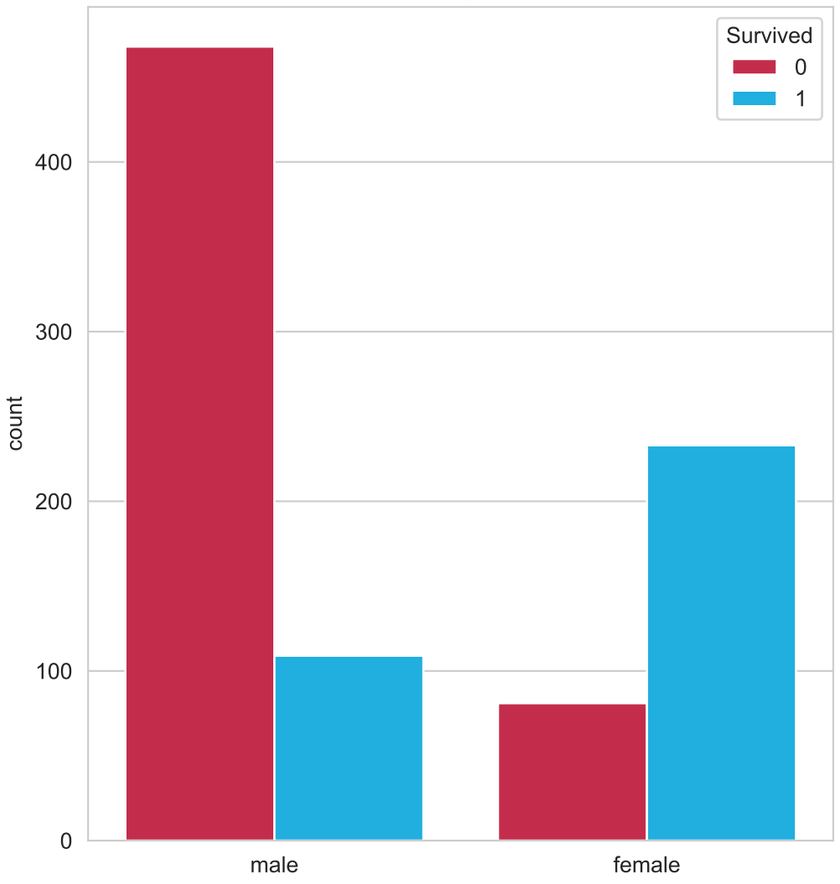
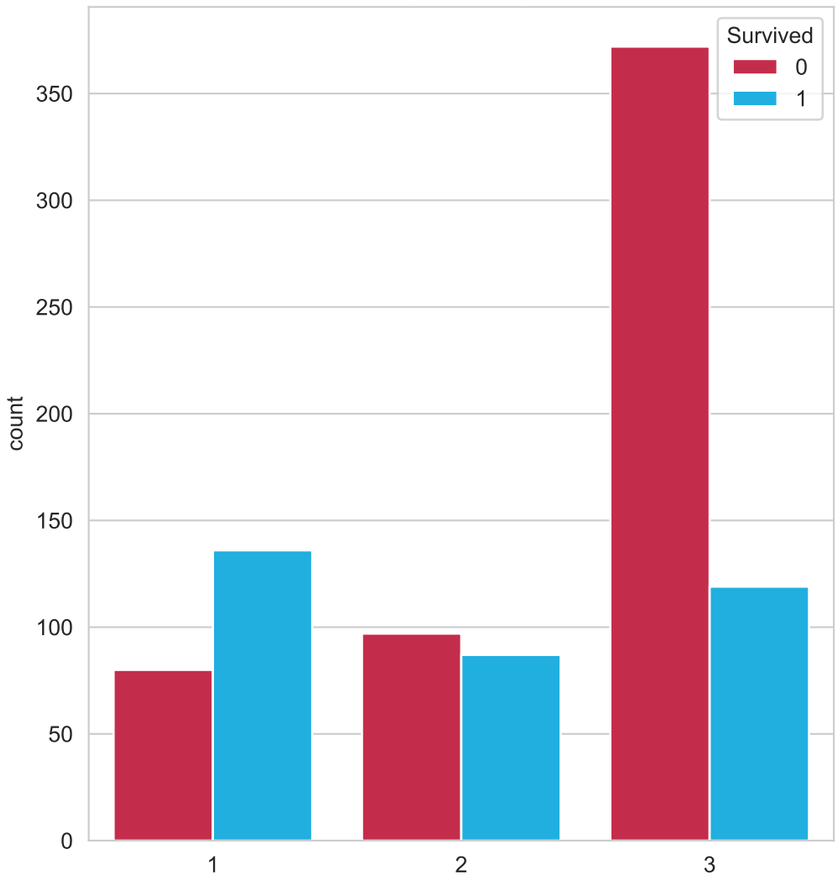
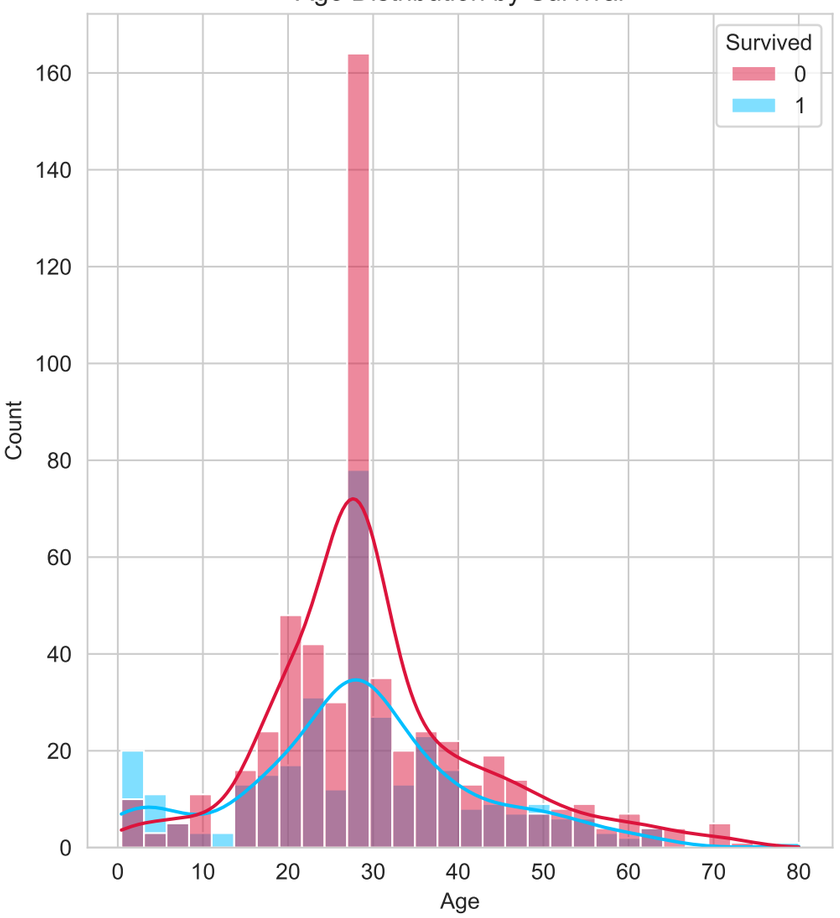
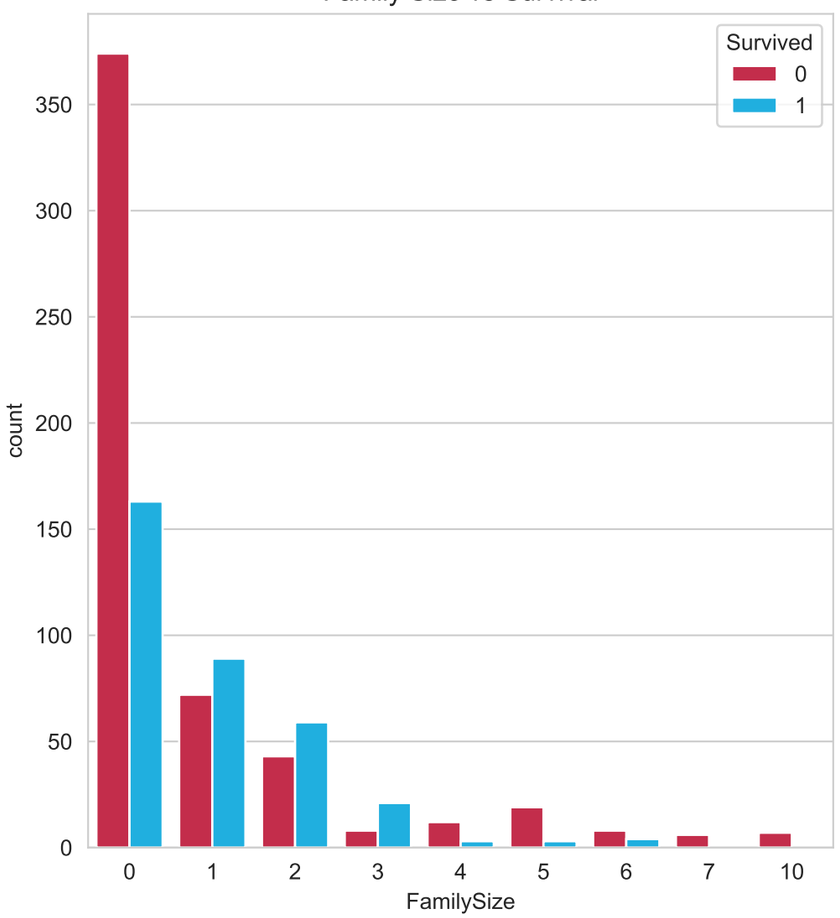
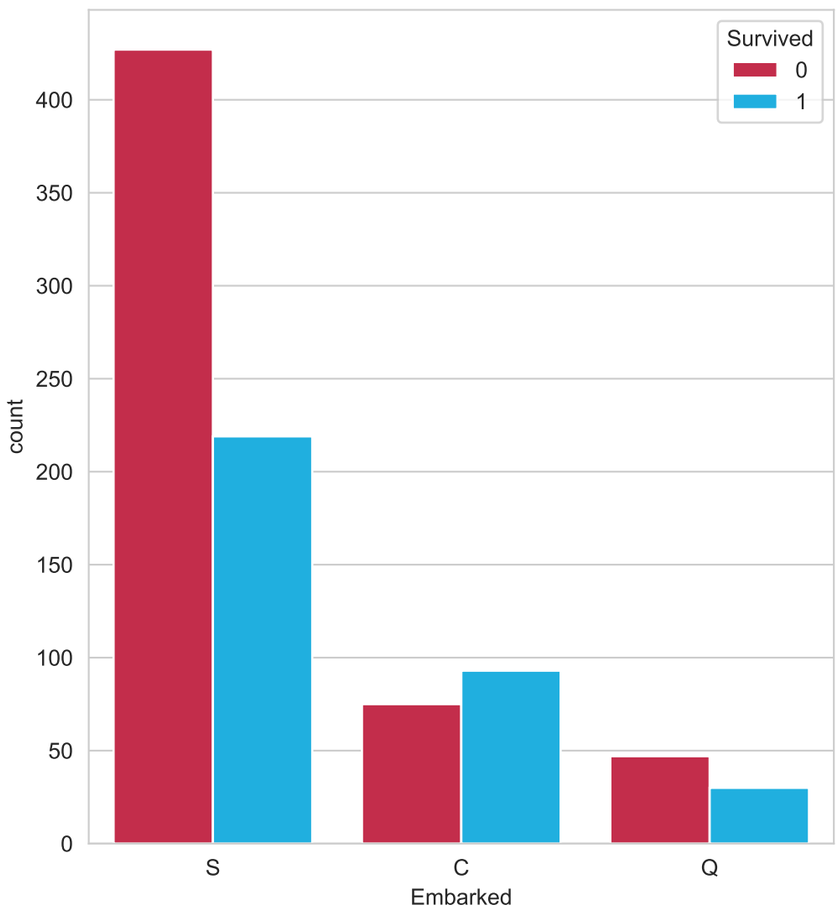

Survival Count
count
Survived
0
1
0
100
200
300
400
500


Survival by Gender
Survived
0
1
count
Sex
male
female
0
100
200
300
400

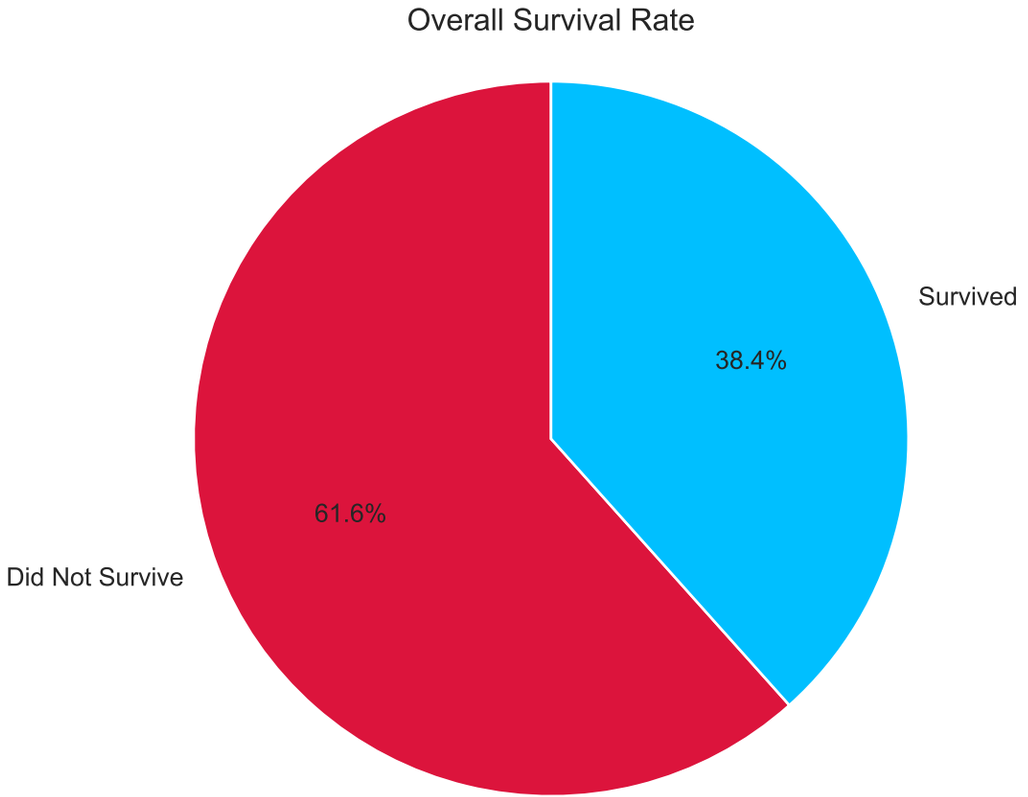

Survival by Passenger Class
Survived
0
1
count
Pclass
1
2
3
0
50
100
150
200
250
300
350

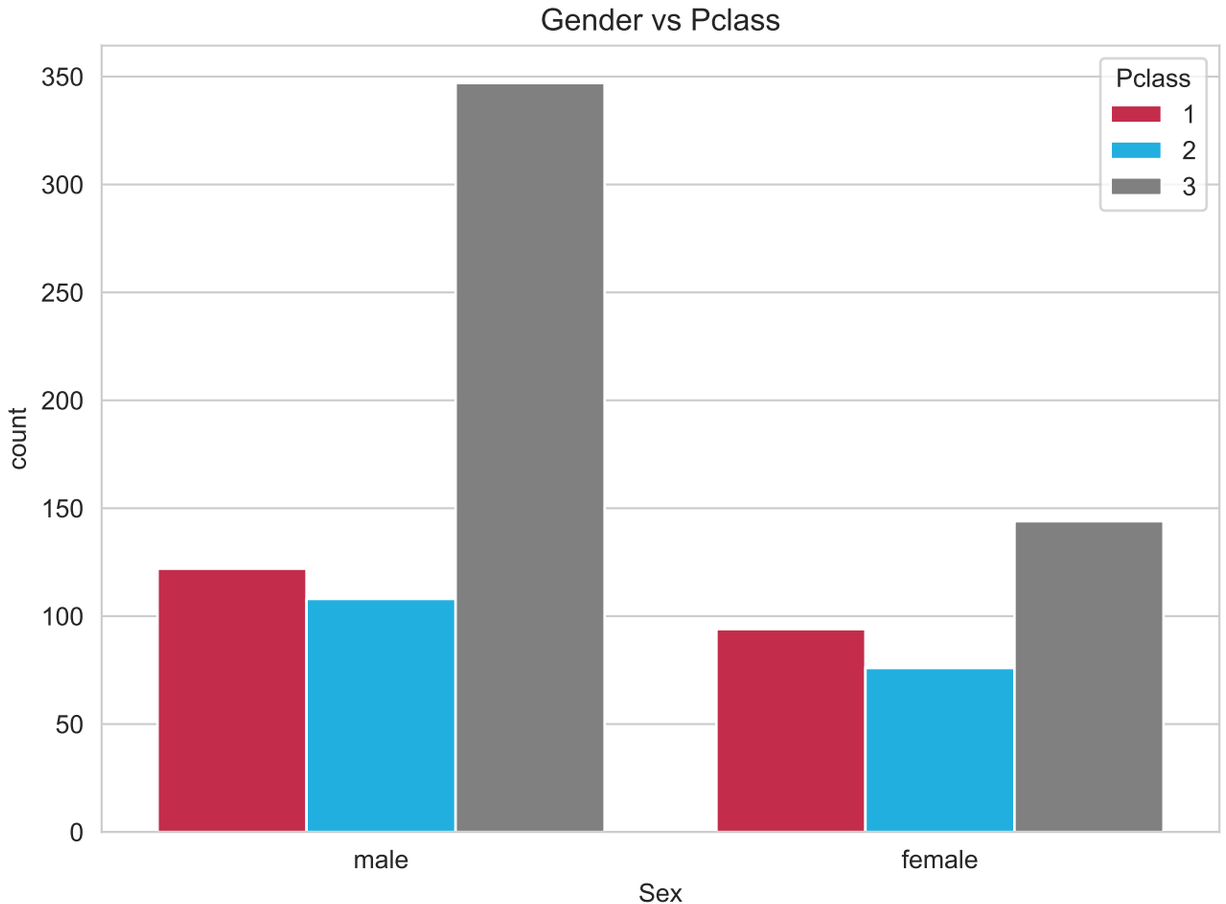

Age Distribution by Survival
Survived
0
1
Count
Age
0
10
20
30
40
50
60
70
80
0
20
40
60
80
100
120
140
160

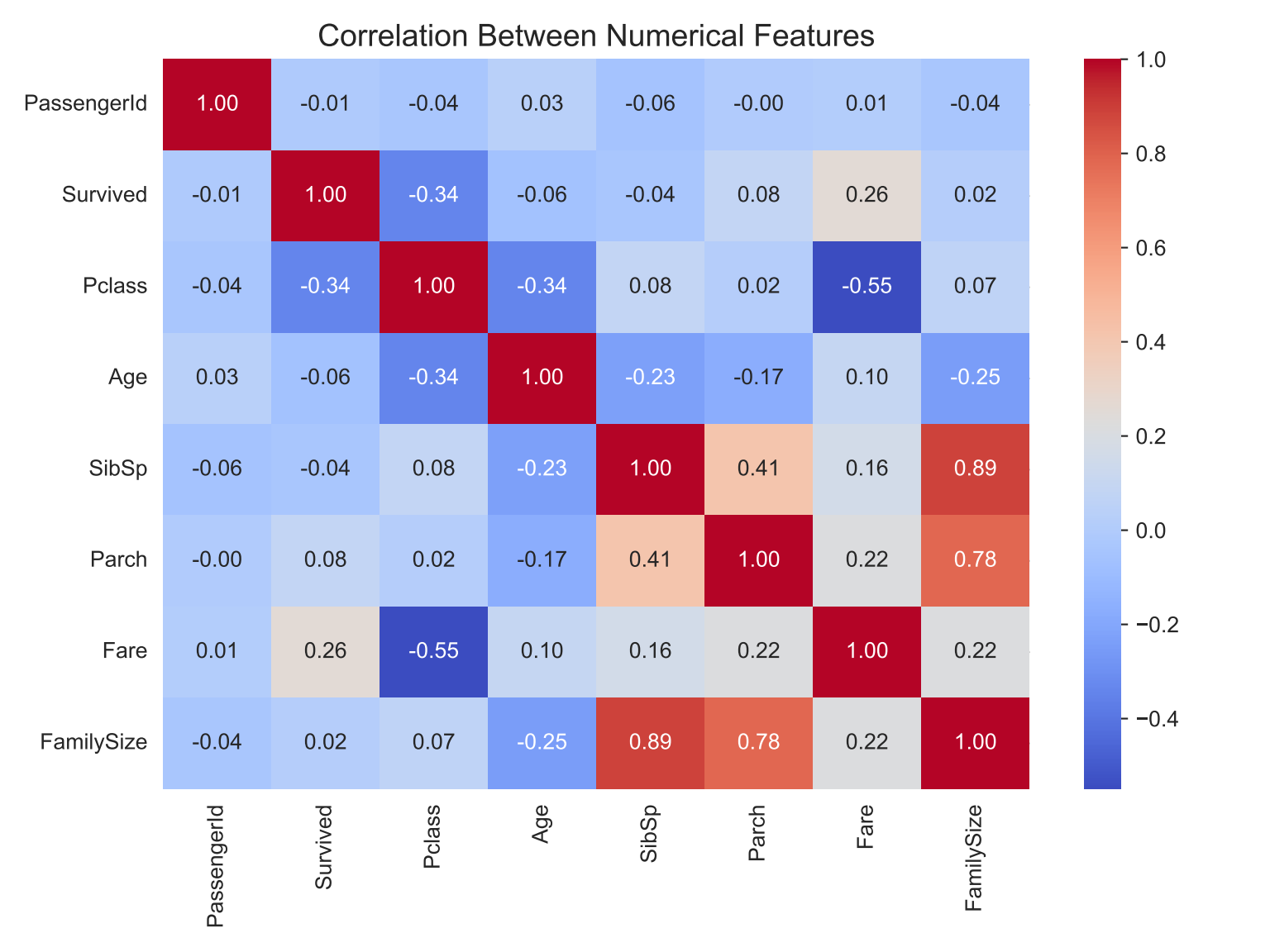

Family Size vs Survival
Survived
0
1
count
FamilySize
0
1
2
3
4
5
6
7
10
0
50
100
150
200
250
300
350


Port of Embarkation vs Survival
Survived
0
1
count
Embarked
S
C
Q
0
50
100
150
200
250
300
350
400

Additional Visualizations






Correlation Between Numerical Features
PassengerId 1.00 -0.01 -0.04 0.03 -0.06 -0.00 0.01 -0.04
Survived -0.01 1.00 -0.34 -0.06 -0.04 0.08 0.26 0.02
Pclass -0.04 -0.34 1.00 -0.34 0.08 0.02 -0.55 0.07
Age 0.03 -0.06 -0.34 1.00 -0.23 -0.17 0.10 -0.25
SibSp -0.06 -0.04 0.08 -0.23 1.00 0.41 0.16 0.89
Parch -0.00 0.08 0.02 -0.17 0.41 1.00 0.22 0.78
Fare 0.01 0.26 -0.55 0.10 0.16 0.22 1.00 0.22
FamilySize -0.04 0.02 0.07 -0.25 0.89 0.78 0.22 1.00
PassengerId
Survived
Pclass
Age
SibSp
Parch
Fare
FamilySize
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4