Titanic Dataset EDA Report

Key Findings and Visualizations

Key Statistics:

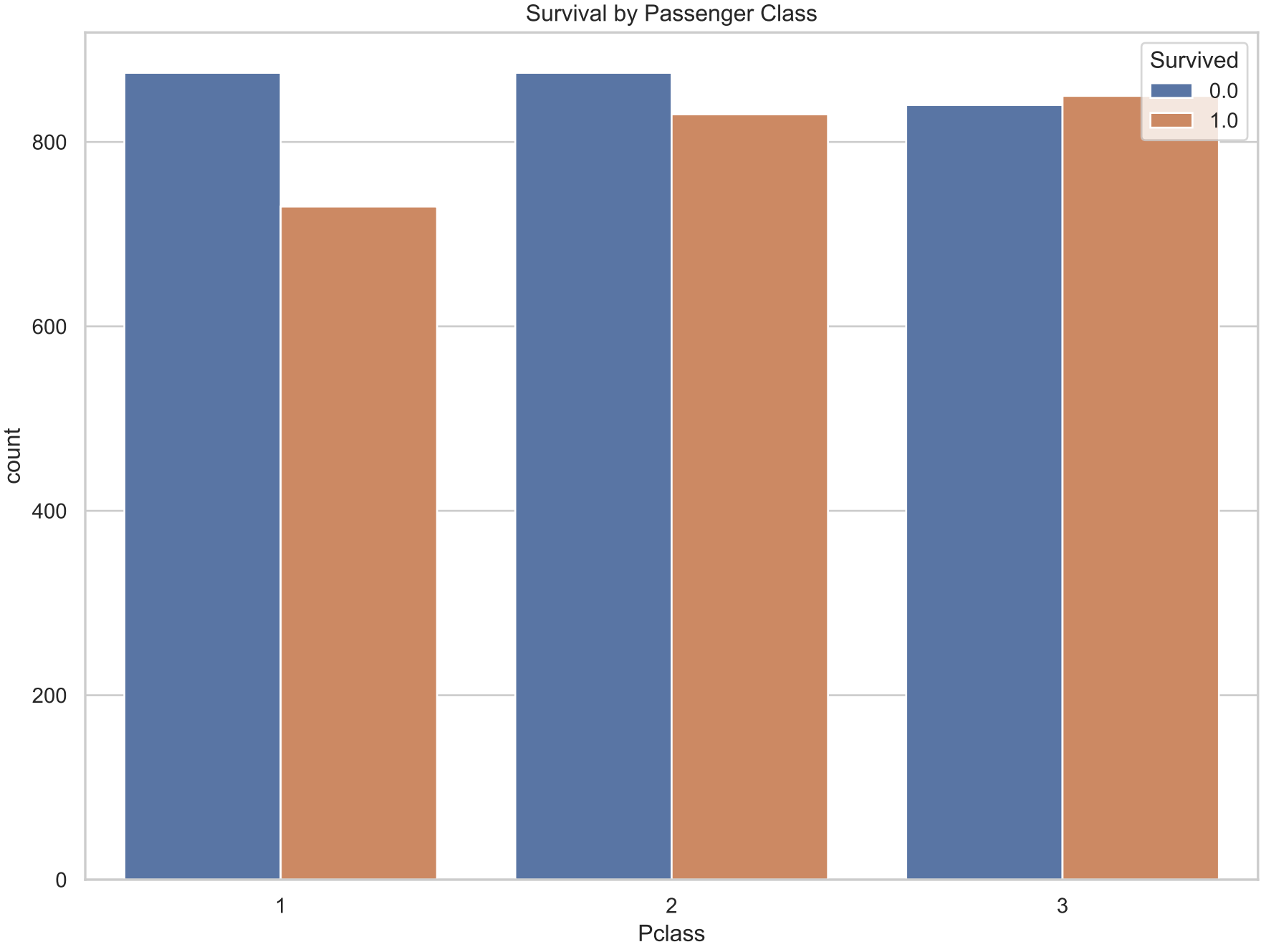
Overall Survival Rate: 48.20%

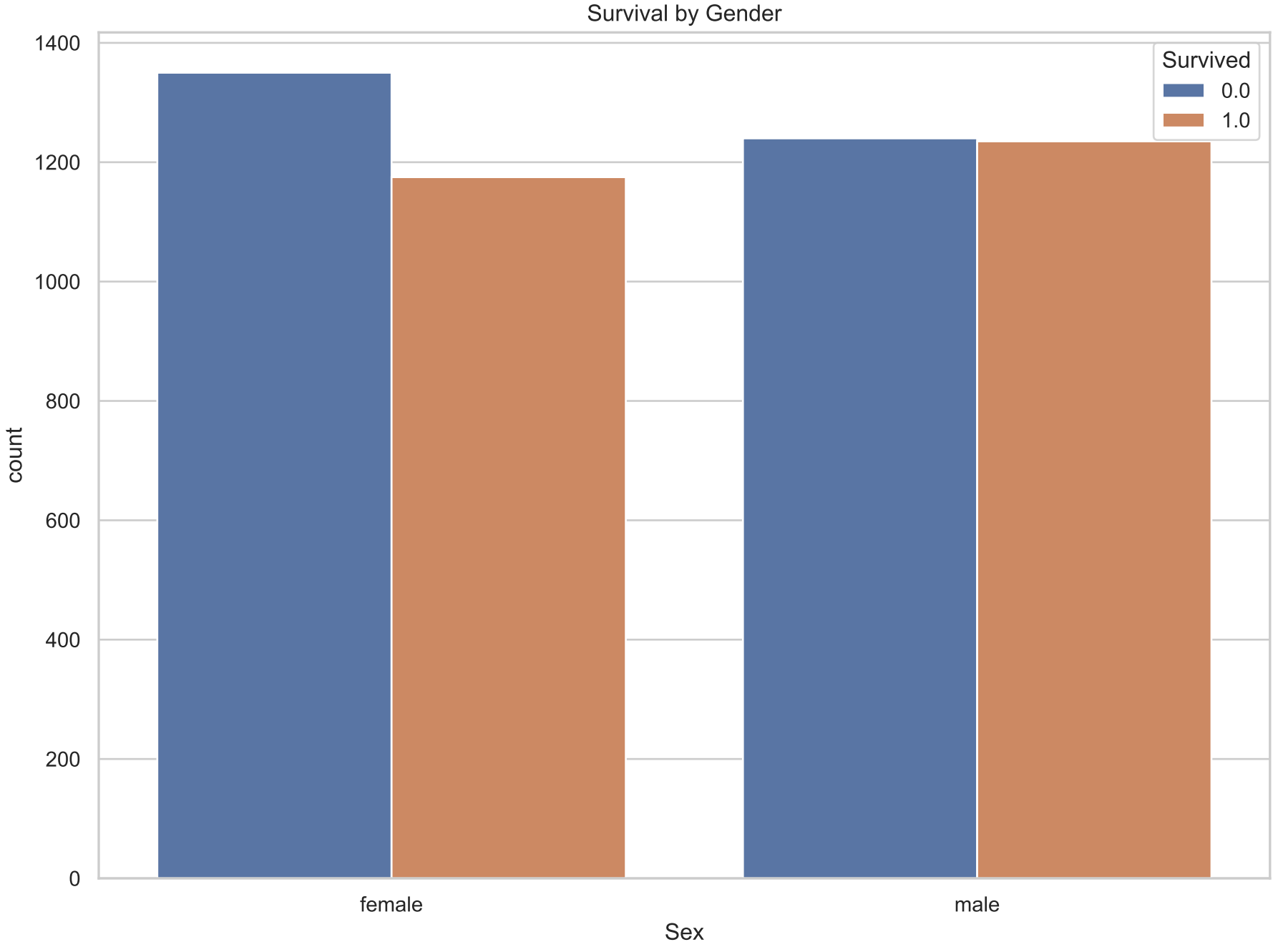
Survival Rate by Passenger Class:
1: 45.48%
2: 48.68%
3: 50.30%

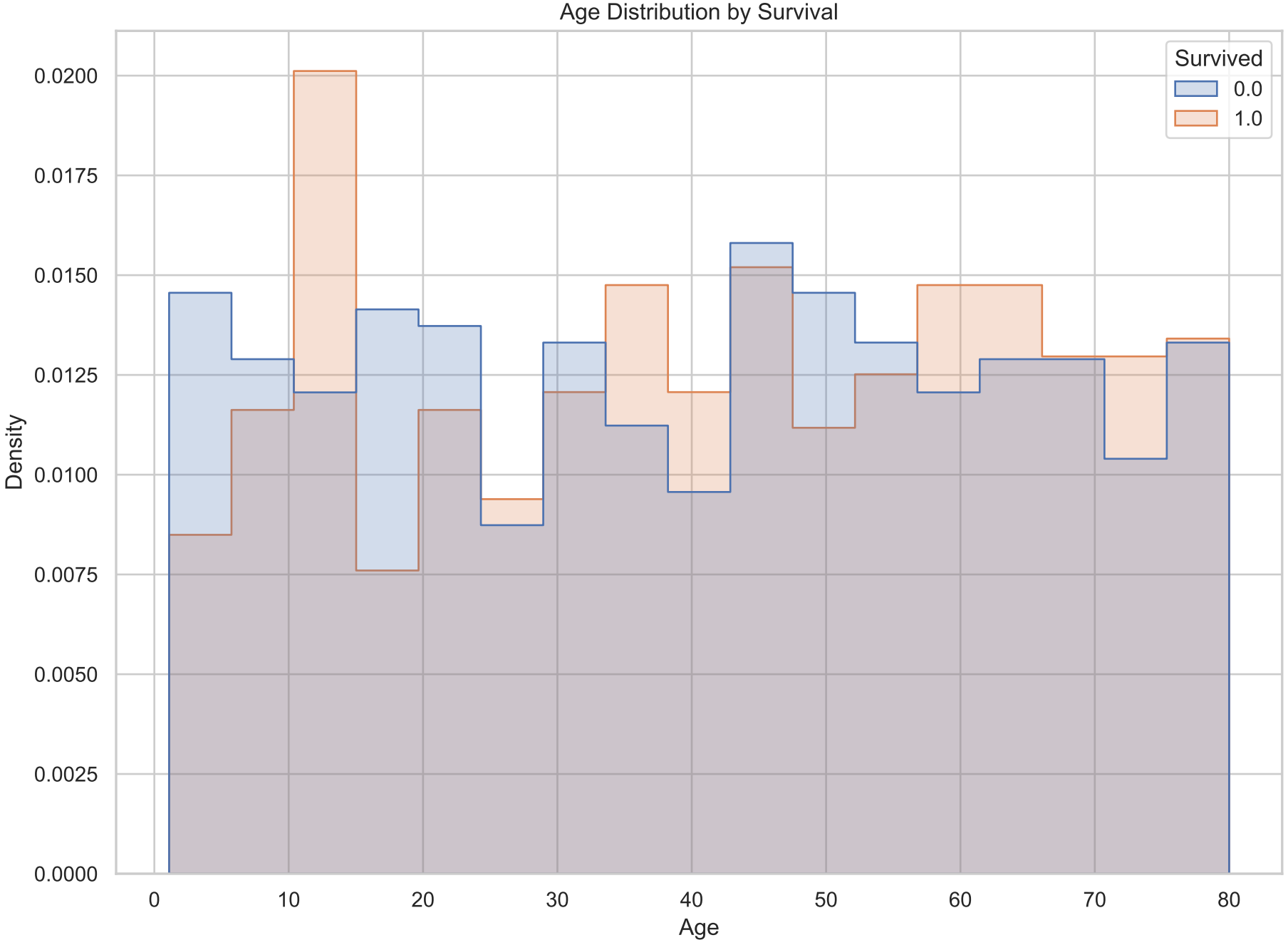
Survival Rate by Gender:
female: 46.53%
male: 49.90%

Average Fare by Class and Survival:

	Pclass	Survived	
1	0.0	252.672457
	1.0	254.240205
2	0.0	280.355086
	1.0	232.982048
3	0.0	245.891786
	1.0	261.856706


Survival by Passenger Class
Survived
0.0
1.0
800
600
400
200
0
count
1
2
3
Pclass


Survival by Gender
Survived
0.0
1.0
1400
1200
1000
800
600
400
200
0
count
female
male
Sex


Age Distribution by Survival
Survived
0.0
1.0
Density
0.0200
0.0175
0.0150
0.0125
0.0100
0.0075
0.0050
0.0025
0.0000
0
10
20
30
40
50
60
70
80
Age