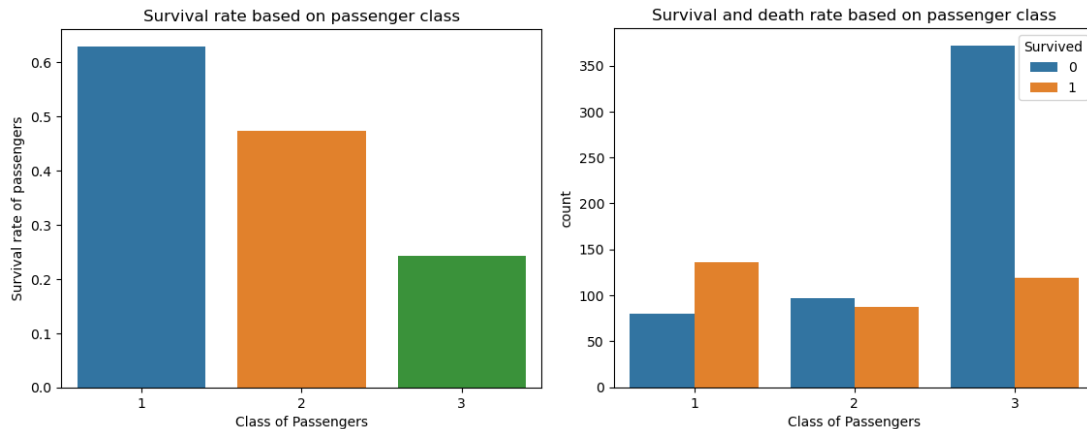


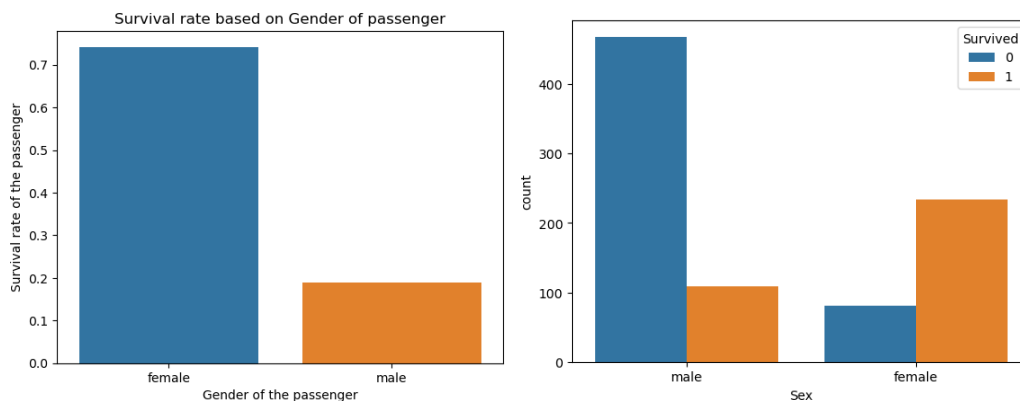
Summary of Titanic EDA:

1. Survival rate is associated with the class of passenger



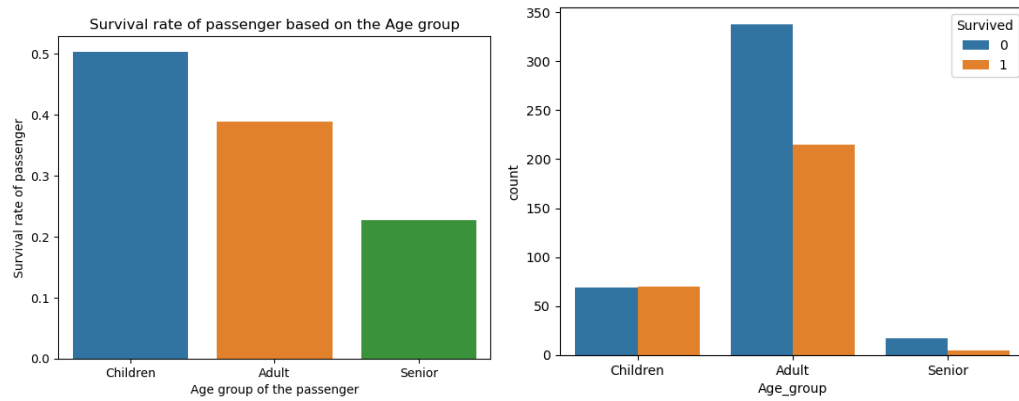
- Based on the above left bar plot the passengers in class '1' have the highest survival rate and the passengers in class '3' have the least survival rate. It's almost less than 50% of class-1 passengers.
- The plot on the right shows the number of passengers who survived and died in each class and we can observe that the highest number of passengers on board were from class 3 and most of them couldn't survive in the crash.
- The correlation between the class and people who survived is '**-0.338**', it has a negative linear relationship which means as the class decreases the survival rate is decreasing.

2. Survival rate is associated with the gender:



- Based on the above bar plot the survival rate of females is much more than males.
- In the right bar plot we can see the comparison between survival and death rates of males and females individually and the male deaths were higher when compared to their survival chances.

3. Survival rate is associated to the age:



- In the above bar plots the x axis is divided into 3 age groups
Children-(0-18)
Adults-(18-60)
Seniors-(60-100)
- Based on the above bar graphs we can determine that children have the highest survival rate among all the age groups.