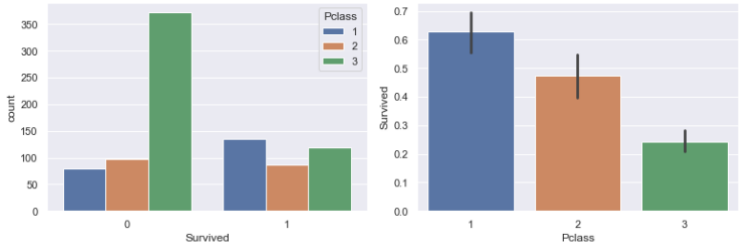
SUMMARY

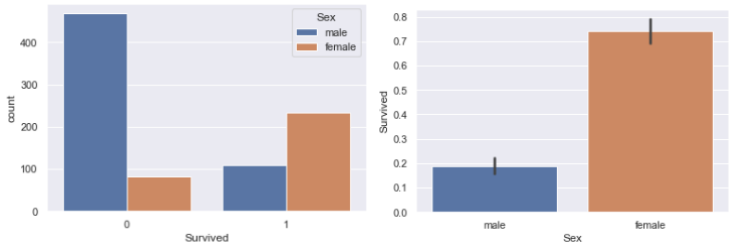
- There are also no outliers in the analyses, this may also be contributed by assigning the value 0 to all null values in the dataset.
- The average survival rate is about 38%
- The age interval between the passengers vary from 0.4 to 80 years old and the average is 29 years old
- Majority of the passenger purchased the 3rd Class ticket

1. Passenger Class and Survival
    - Plot



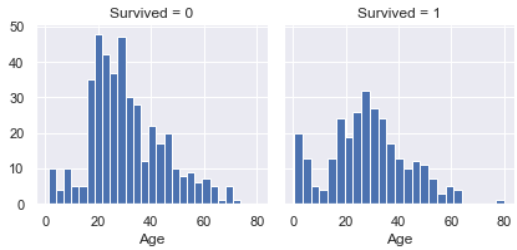
    - The higher the passenger class, the probability of surviving. Percentage of survival from each Class category ±63% of Class 1, ±47% of Class 2, ±24% of Class 3.
    - Thus, we may predict that the chances of a Class 1 passenger is higher than Class 2 and Class 3 Passengers.

2. Sex and Survival
    - Plot



    - Females (>±74%) are more likely to survive compared to male passengers (<±20%).
    - Thus, we may predict that passengers who are females has a larger probability to survive compared to male.

3. Age and Survival
    - Plot



    - Result: Most passengers that did not survive falls under the age 18 – 39 & 40 – 50, most passengers that survived falls under the age 0 – 8 & 20 – 39.
    - We may reason that the high survivability of young children are because of their safety priority but young adults' survivability are due to them being hale enough to either escape the sinking ship or to endure the extreme condition until help arrived.