

Titanic Dataset Analysis

Figure 1 and 2: Passenger cabin class and the survival rate

- The highest survival rate is from first class cabin at 63%, 136 out of 216 passengers survived.
- Third class cabin accommodated the majority of the passengers (55.1%) but these passengers got the lowest survival rate compared to other passenger classes.

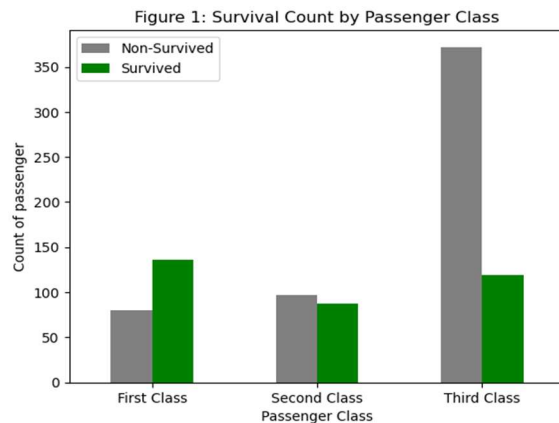


Figure 2: Passenger Class Distribution

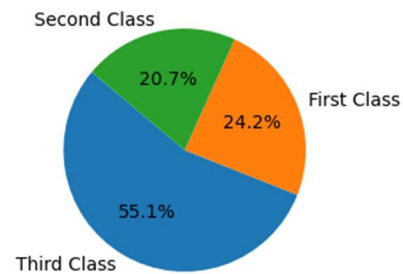


Figure 3 and 4: Passenger gender and the survival rate

- 35% of passengers are female, but they have a significantly higher survival rate than male - 74% and 19% respectively.

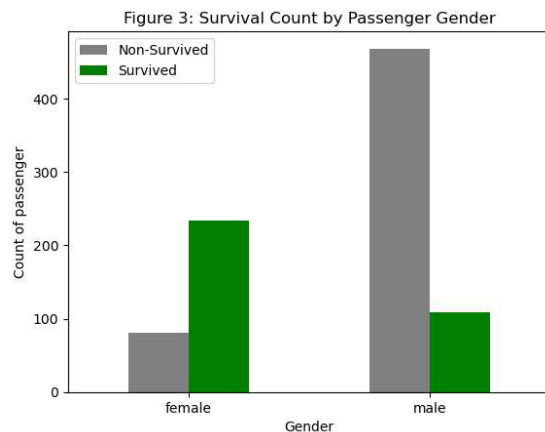


Figure 4: Passenger Gender Distribution

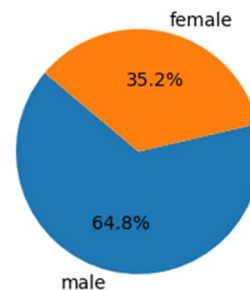


Figure 5 and 6:

- The ratio of surviving infants and kids under 10 years old is the largest at 60%, possibly due to their priority to be rescued first.
- In contrast, senior passengers (above 60 years old) get the lowest survivor rate among all passengers.
- Young Adults (from 20 – 29 years old) were the majority age group of the passengers but only 36% of them survived, which is also the second lowest ratio.

