Student name: Andy Nguyen CPSC 4800 Student ID: 100415157 Assignment 3 – Part 2

## **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 1: Survival Count by Passenger Class

Non-Survived

Survived

Survived

150 
100 
First Class

Second Class

Passenger Class

Third Class

Figure 2: Passenger Class Distribution
Second Class

20.7%
First Class

55.1%
Third Class

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.

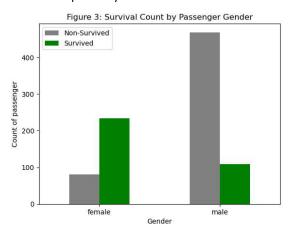


Figure 4: Passenger Gender Distribution

female

35.2%

64.8%

male

## 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.

