71point4 Analyst Assignment

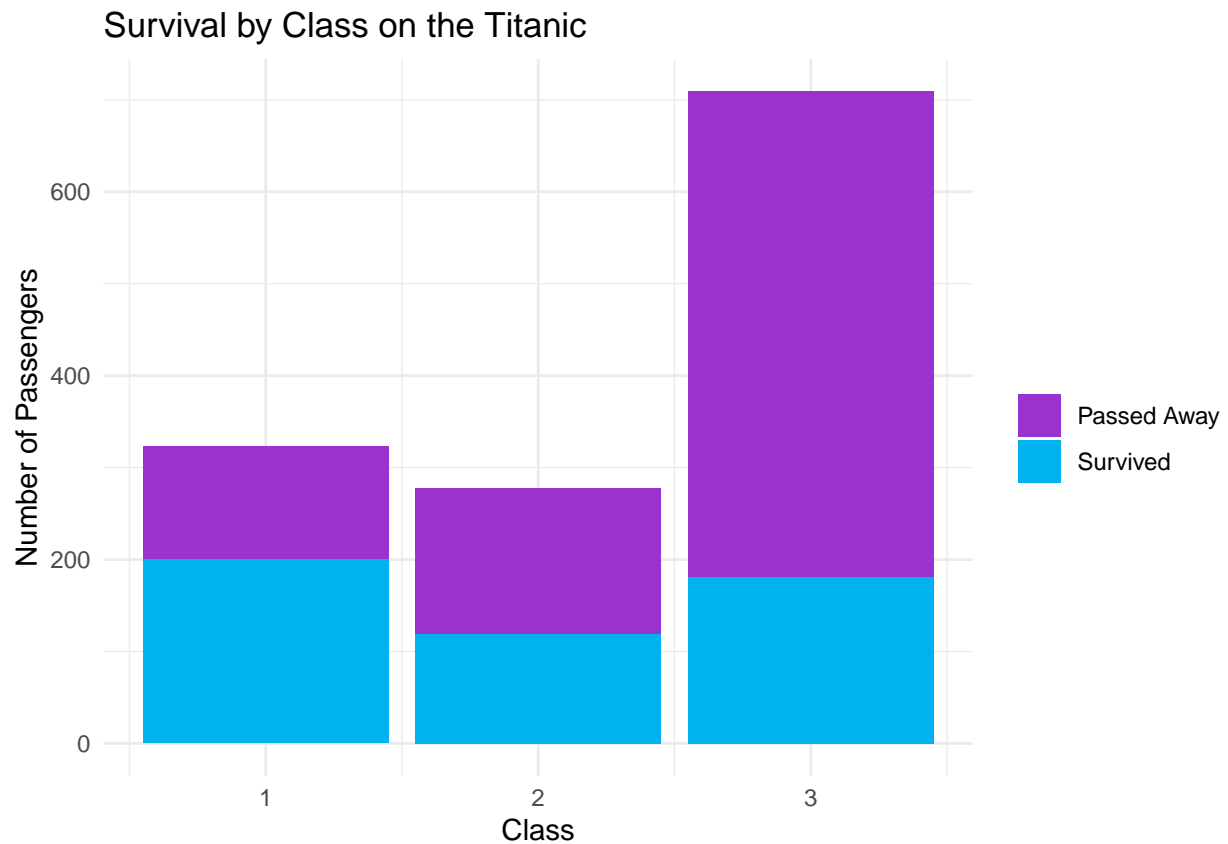André le Roux

2024-08-20

Introduction

This is the introduction section where you can provide an overview of your analysis.

Question 3

I was unsure of the level of difficulty that the question should be, so I decided to go for a question with two part that can given individually or together.
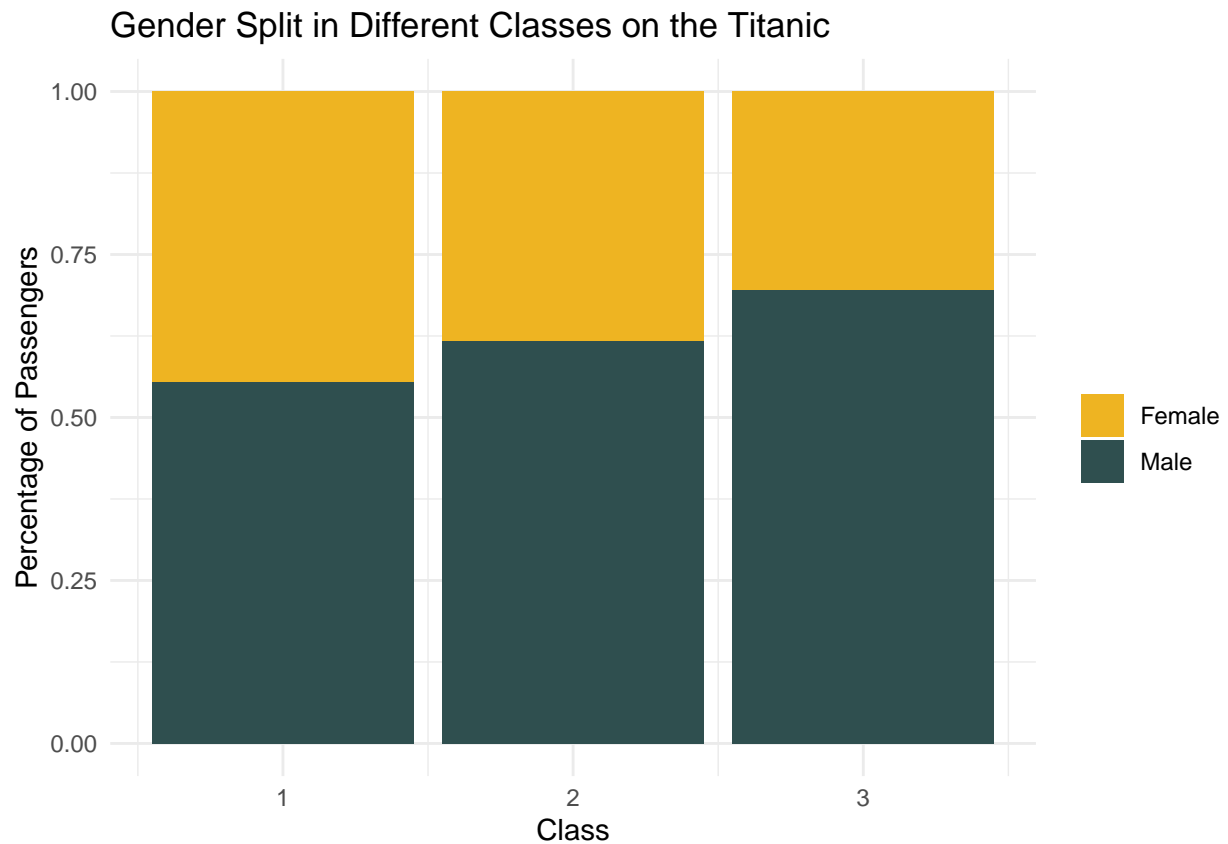
Part A

Graph 4.1
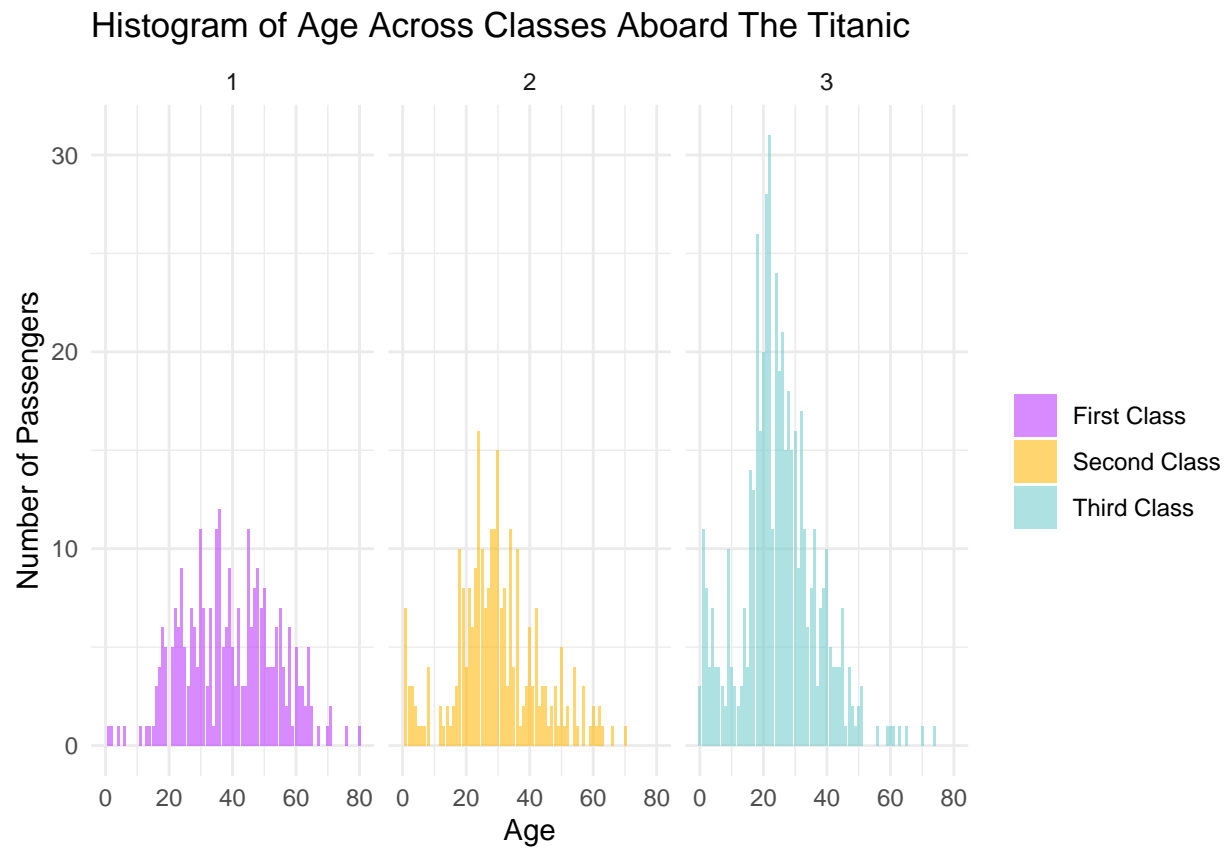
Survival by Class on the Titanic

This first graph gives us a visual representation of the number of surviving passengers in different classes. As can be seen the chances of surviving is lowest for passengers in the lowest class (third), at slightly above 25%. While the passengers in first class had an approximately 62.5% chance of survival. It should also be noted that the number of passengers in the third class significantly outweigh the number of passengers in the first and second class.

Graph 4.2

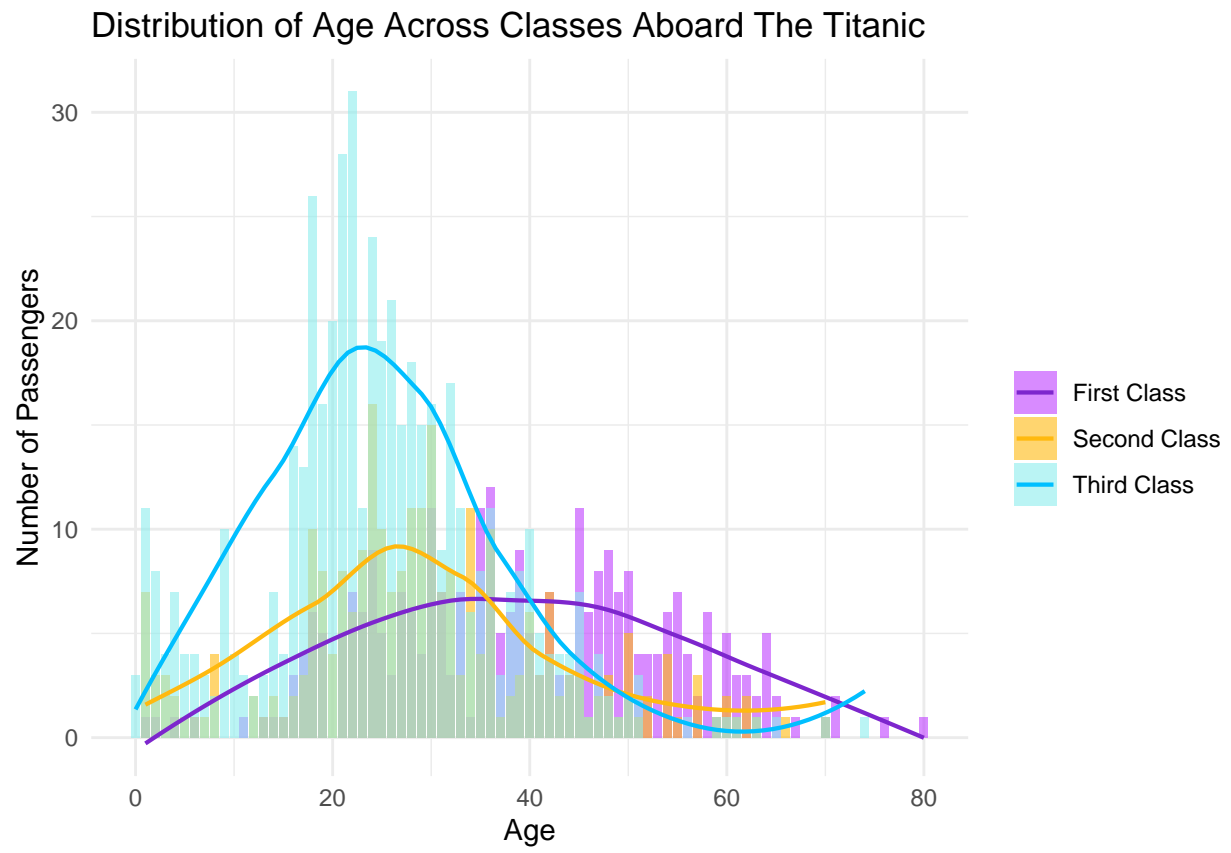Gender Split in Different Classes on the Titanic

It is noticeable from this graph that the percentage of men differ between classes. With the composition becoming more male orientated the lower the class. In the first class it is only slightly male orientated, with 55.42% of the passengers being male. However, in the third class the male percentage rises to 69.53% of the passengers.

Graph 4.3

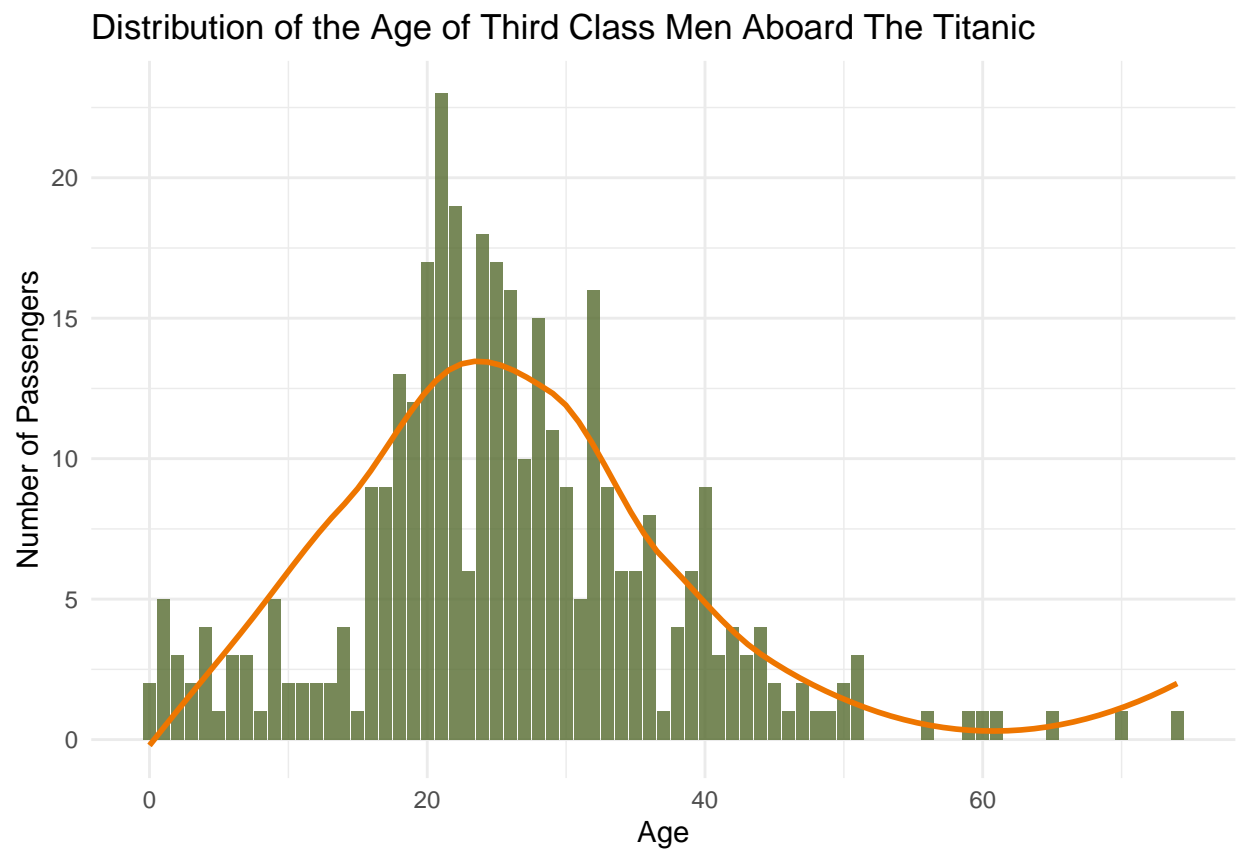Histogram of Age Across Classes Aboard The Titanic

Here we can see a side by side comparisons of the age compositions of the different classes aboard the Titanic.
From this comparison we can see that the third class was composed of a higher percentage of younger people
than first or second class. With first class being the least skewed of the three classes.

Graph 4.4

Distribution of Age Across Classes Aboard The Titanic

Graph 4.5

Distribution of the Age of Third Class Men Aboard The Titanic

Graph 4.6

Survival Rate by Population Demographics