Create a Tableau Story

First version:

https://public.tableau.com/profile/nithya8338#!/vizhome/TitanicData_13/TitanicData

Final version:

https://public.tableau.com/profile/nithya8338#!/vizhome/TitanicData_13/FinalStory

Summary

The total number of males is higher than that of females. Survival is higher in females than males. On comparing the 3 classes, third class has the highest number of passengers and has a low survival rate. Most of the passengers are in 15 to 50 age range. Survival of infants (0-5 yrs) is significantly high. Southampton is the most popular port of the 3 ports. Queenstown port is most popular among 3rd class. Cherbourg port is most popular among 1st class. Average fare increases as class becomes better. For all classes, average fare for females is higher than that of males.

Design

For the 'distribution based on gender and survival' chart, stacked bar chart has been used to show the number of people who survived and did not survive relative to the total number of people in each gender. Similarly 'distribution based on class and survival chart' has been designed with stacked bar chart to show survival relative to total number of people in each class. I found histogram to be appropriate for displaying age as it is continuous. In order to show survival over age distribution, I've stacked the histogram based on survival. I have used side-by-side bars for 'popularity of ports' chart to show popularity of different ports among classes. Similarly, side-by-side bars has been used for 'average fare based on gender and class' to compare the average fare between genders and also classes.

Colour has been used as visual encoding for 'distribution based on gender and survival', 'distribution based on class and survival' and 'survival based on age' charts to differentiate between people who survived and did not survive. In the 'popularity of ports' chart, I've used colour for differentiating the ports so that we can easily compare the number of passengers from different classes in each port. In the 'average fare based on gender and class' chart I've used colour to encode the classes. This helps to quickly compare the average fare of males and females for a particular class.

After receiving feedback, I have changed ‘0’ to ‘False’ and ‘1’ to ‘True’ in the survived legend for better understanding. Another change that I have made is to replace short forms of ports like ‘C’, 'Q' and 'S' with their respective full names. I also added highlights ‘on-click’ to improve dashboard interactivity.

Feedback

- Instead of using 'survived: 0' and 'survived: 1' to indicate that a person was dead or alive, use 'survived: False' and 'survived: True' for better understanding.
- Instead of short forms for names of ports such as 'C', 'Q' and 'S' change to 'Cherbourg', 'Queenstown' and 'Southampton' respectively.
- Use highlights for improving dashboard interactivity.