

Initial Project:

https://public.tableau.com/profile/saisandeep.sanka#!/vizhome/Titanic_data_Project/Story1

Final Project:

https://public.tableau.com/profile/saisandeep.sanka#!/vizhome/Titanic_data_Project_Final/Story1

Summary:

Titanic data contains demographics and passenger information from a subset of the 2224 passengers and crew on board the Titanic. I will create a visualization that shows the demographics or passenger information between those passengers who survived and those who died.

Below are the findings based on the visualization

- Female passengers have higher chance of survival compared to male.
- Age is a factor in survival chance – young people have higher chance of survival
- Passenger class 1 has higher chance of survival compared to other classes
-

Design:

The visualization has two parts, people survived in each class based on the different parameters and chances of survival for each group in each factor/parameter. The people survived and dead are presented in green and red colors built the bar graphs based on each group. I chose to analyze the chances of survival with different factors in place.

After feedbacks, I have made changes in several points as follows:

1. Added the chart for comparing chances of survival in each factor
2. Added the counts of people survived and dead using different colors
3. Changed bar plot to pie chart to compare the dead and survived
4. Added meaningful axis names in each plot
5. Story has been developed based on each of these plots comparison
6. I chose to put average survival rate on Y-axis and each factor (Gender, Ticket Class, Age Group, Embarked from) in X-axis so it is easy to compare average survival rate by looking at the height of the bar chart.

I chose pie chart for the overall comparison of survived vs dead to give the broad idea of how many people survived along with fraction of people survived. I chose Blue color and Orange instead of green and red for survived and dead to make sure there is no inconvenience for the color blind.

I chose bar chart for the comparison of survived and dead with same color coding across different factors to compare and get an idea of what are the factors that are influencing the chances of survival. In case of Age I find it difficult to draw conclusion upon finding the influence of age on chance of survival across the range of ages. So I chose to group the ages into young, elder and other.

I chose bar chart as well to compare the chances of survival across all the factors. This gives complete understanding of which factor has influenced chances of survival the most.

Feedback:

Feedback1:

What questions do you have about the data? : What is influencing the chances of survival?

What relationships do you notice based on graph? : I see chances of survival is not same for different factors plotted like gender and passenger class.

Main takeaway: Females have higher chance of survival

Suggestion: Plot chances of survival to give clear comparison

Feedback2:

Overall looks good but I want to see the pie chart of people survived vs dead rather than bar chart. Visualization shows clear picture of what are the factors that are influencing the chances of survival.

Feedback3:

Colors has to be updated to color bling compatible. Change in the axis labels to make more sense.