

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
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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.

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.