Summary:

Exploring and analyzing the factors out of Age, Sex, Cabin Class and Income of Passengers that might have contributed towards surviving the titanic Disaster, in addition also explored out the general Statistics of the passengers in the titanic for instance the no of passengers, total no of survived members etc.

Design Choices:

- **1st Iteration:**

To perform Visualization on univariate attributes a histogram is used as it cleverly illustrates the distribution of the whole attribute. Bar plot is used for comparing the components having a categorical attribute as it gives a healthy feel of the difference or anamoly that we want to show. For showing the relationship between the different attributes and analyzing their effect particularly when there are two continuous attribute , scatter plot works best in this case

- **Subsequent Iteration:**

There were many feedbacks I received from the initial Analysis, most prominent were how I am taking count instead of the proportion which doesn't tell me anything about the underlying data. I converted it to relative frequency histogram.

Another issue was that my Visualization was pretty much noisy with Texts and Visualization beign overlapped. I took the approach of shifting all the conclusive statements to separate worksheet and the only texts which are in the visualization was when I want to highlight something interesting in the chart

Also there was some issue related to how my particular focus analysis was fare , but my focus should have been of class of the cabin since it can affect the survival rate in titanic

- **Post Review Iteration**

As Described by the Review I took more focus on the implementation of Design in the Stories, tried to give me a vibrant overall look to story as well as fixed Grammatical and Spelling Mistakes. Some Charts were a little off and at some slides extra plot was necessary to clear the picture , all this was hopefully fixed in this iteration of the submission ☺

Feedback:

- "firstly, you should always map the conclusions with the visualization, instead of just stating multiple conclusions on the first page. on the second page of the visualization, i think it would

be better to plot against class instead of fare, as u found that in another visualization that higher fee doesn't guarateed a higher class. But we all know that the evacuation plan was based on class. on page 5, your apart from having some conclusions not based on this chart, i think you should also rethink your conclusion on age vs richness. The reason is that young people who are taking first class could be paid by their father or family, you should also take this into consideration"

- "On the second chart (which you also included again as the last), it appears the goal is to determine if there is a _relationship_ between price paid and survival. Remember, a histogram shows _distribution_ not _correlation_. Secondly, you state _histogram_ but you aren't actually using one, you're using a _stacked bar_ chart and there is a difference. Thirdly, if you do want to use a histogram to spot a trend, I think in this case you need to use a relative frequency histogram or probability distribution rather than a standard histogram, because you can't simply compare the counts, you need to compare the proportions. "

- "Yeah the second last plot is a bit scattered you can give your analysis details at the bottom Like your personal analysis as a description rest is not that much needed in this project there is a lot that cn be done in visualization in teh next projects"

- **Reviewer Feedback**

  - You've included color as one means of encoding variables in some of your scatter plots, but it's missing from your barcharts, which come across as surprisingly monotone in their visual appeal. One way to improve on this is to assign a color to each of the two levels of the survival variables and keep it consistent across all of the bar charts.
  - I appreciate the humorous tone of some of your captions, but the narrative they contain needs to be expanded on. Remember that for this assignment the intended audience is not clearly defined and remains ambiguous. For that reason, we need to assume an audience that includes people not familiar either with the dataset nor necessarily even with the Titanic disaster. Please add to the captions more context and detail about the most important relationships you've illustrated in the charts.
  - Please take the time to double check the spelling and grammar in the captions.
  - Simple dashboards are actually easier to learn more from, but I think you still have some room on some of your slides to pair some of your plots together. Please reconsider the layout of your dashboards and the possibility of multiple charts on a single slide.
  - It's clear from your presentation that you've identified the most salient relationships within the dataset and captured the story underlying the data. I want to recommend to you now that you have the analytical foundation for your data product, that you take a bit more time in working on the design aspect of your project. Again, keep in mind the goal of communicating clearly to a target audience and then think about how you can modify your work to more effectively convey your findings. Ive made several suggestions, but they are not an exhaustive list. After making the suggested modifications, see if you can go through and identify other areas in your work. that could use your attention and expertise.

LINKS

- **Post Review Iteration**
  https://public.tableau.com/profile/yash6846#!/vizhome/UdacityTitanic2/Story1
- **Iteration After Feedback**
  https://public.tableau.com/profile/yash6846#!/vizhome/UdacityTitanic1/Story1
- **Iteration Before Feedback**
  https://public.tableau.com/profile/yash6846#!/vizhome/UdacityTitanicP/Story1?publish=yes

Resources

- https://onlinehelp.tableau.com/ - Tableau Documentation