Titanic Survival Report

UDACITY NANODEGREE - TABLEAU

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1ST VERSION:

https://public.tableau.com/profile/kristijan.bakaric#!/vizhome/TitanicFirstSubmission/TitanicStory

FINAL VERSION:

https://public.tableau.com/profile/kristijan.bakaric#!/vizhome/Titanic-Survival_AfterFeedback/TitanicStory

SUMMARY

Titanic Survival data story and related visualizations are based on the incomplete dataset of 891 people that boarded on the famous Titanic ship which collided with the iceberg and sank to the bottom of the ocean. Dataset has a set of variables that are attached to each passenger like for example, gender, age, ticket fare, origination port... and if he or she survived or died.
Visualizations are investigating any potential insights as consequence of a relation between survival and other variables.

DESIGN PRE-FEEDBACK

My sketch was as following – make an landing page with photo of the titanic disaster and with the main variable – survival, that will be distributed along the story where every story page will have one question where the answer will come from an insight of a particular chart.

Landing page is showing the main point of the story which is survival and that is a binary outcome, died or survived. Chart illustrating percentage of the count will be shown as a pie chart where color coding was chosen as red (blood - danger), green (approval, plants, life), that will be following all the other charts where all charts will have count of people, percentage of survived vs dead per a particular category, and as I already mentioned, it will be color encoded as red and green, dead and survived accordingly. UPDATE: Color has been changed to gray and blue due to the color blindness problem.

Second chart is a bar chart, where port embarked from will be seen through survival. Same principles apply here.

Third chart is also a bar chart, where initially I wanted to use a scatter plot of continuous variable as fare vs passengers ID, colored by survival. At the end I decided to make this message more clear and insightful by using the insight I gained from scatter plot and make it more digestable by binning the data into several fare groups and then plotting it

as a bar chart of fare categories vs count of people, utilizing table calculation of percentage across bars, color coded by survival.

explain any design choices you made including changes to the visualization after collecting feedback

First, sketch ideas for your visualization. Once you settle on a sketch, explain any design choices in that sketch, such as chart type, visual encodings, and layout, in the Design section of the write-up. Then, create your visualization using Tableau. The visualization must include animation, interaction, or both. See the Project Rubric for more information.

DESIGN POST-FEEDBACK

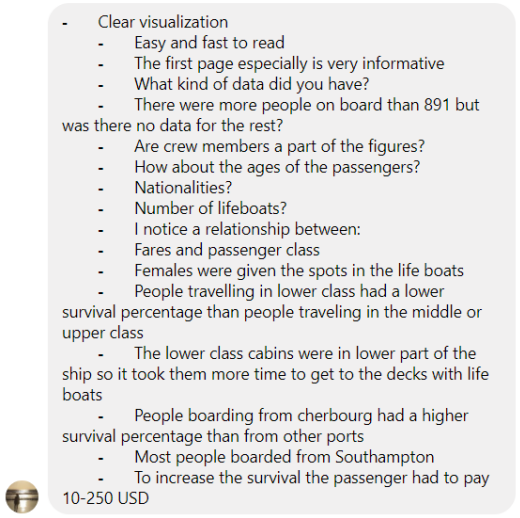
I included a link to the source of data and a warning that the dataset is incomplete and containing limited set of variables.

Distribution of age histogram was included as the variable is also available to be used.

Some of the questions asked could not be answered due to the lack of data.

FEEDBACK

#1 FEEDBACK



RESOURCES

- Limited experience from my work in designing visualisations utilizing TIBCO Spotfire and PowerBI.

- https://www.mirror.co.uk/news/world-news/harrowing-titanic-survivor-letter-emerges-3280525

- https://www.kaggle.com/c/titanic/data

- https://community.tableau.com/welcom