Titanic Data Analysis Using Tableau

Introduction

The Titanic Dataset contains list of passengers with details of survival, point of embark, Class in which they travelled, their age and few other details. The tableau story built using the dataset to understand the survival of the passengers based on different factors like embark, class, age and gender.

Design

In order to make meaningful stories from the data the below design points have been followed:

1. The color legend for gender has been followed same across all the stories.

2. The filters are provided to make the charts interactive and let the user get more insights of the story points.

3. Bar graphs have been used so that the information is easy to be read.

4. Gender basis analysis is provided for all the stories.

5. The survival rate vs gender has been displayed using a pie chart.

   Post feedback, there are many modifications that have been done on the visualizations:

1. Calculated fields have been included for percentage and survived column is split to get the dead/alive information

2. An overview tab has been included in the story.

3. Null value groups are classified accordingly.

4. There have been no modification done to the type of the existing graphs.

5. Text descriptions are added wherever required.

Feedback

The feedback has been collected by 2 of the colleagues the below mentioned are the points that came post review:

1. The pie chart does not provide much insight on the survival ratio as the name mentions. Included percentage for both genders as they will be meaningful with the data.

2. The "Null" bar displayed on the age group distribution does not convey any meaningful messages. These denote incomplete data and should be ignored or specified as "Age not

known" also specify the numeric ages for all the groups to give appropriate information to the reader.

3. The survival distribution based on Embark factor displays the embark points with their initials this does not convey the embark points name properly to the reader.

4. Write description that will explain regarding the story

5. Include an overview tab with the few details of the travellers to give an insight of the dataset received.

6. The survival value are just counts/sum classification of dead/alive will be an easy to understand insight.

Links to the visualizations

https://public.tableau.com/profile/ashwathy.gopinath#!/vizhome/Survivalrationbygender/Titanicanalysis?publish=yes

After modifications

https://public.tableau.com/profile/ashwathy.gopinath#!/vizhome/Survivalrationbygender/TitanicAnalysisV2?publish=yes

References

https://community.tableau.com

https://www.tableau.com/learn/training