Tableau Data Visualization

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Date : 02.Nov.2017

Summary :

We are going to visualize Titanic survive data and create visualizations that show what feature effects on survive and what kind of relationship exists between variables like that ;
What does sex and age effects on sex on survive, what is the relation of survived

Design :

I decided to use bar charts generally because of needing copare rates and data frequency. And see the contribution of some varibles like gender I used stacked bars.

At final story point I want to see families survive rate and compare its to the other ticket levels, I decided stacked bar chart to see survive rate per family and add ticket class information.

Survive - Sex bar chart ;
First I created two separate bar chart, one of them shows males and the other one shows females survive bar, and according to the feedback It is a little hard to compare two bar charts, because two bar chart has two part for survive and not survive values so we have four bar, I decided show two data in one bar chart by using color, and I create one bar chart that shows how many people survived and how many of them is male or female. By changing to one bar chart , it is more easy to compare female and male survave rate.

Ticket Class - Embark;
According to the my desing as I mentioned above, I create one bar chart that colored by embarked, so we can easily see where people travel and what their ticket class rate.

Ticket - Class Embark ;
This is seperated bar chart of ticket class vs embark diagram according to survive and not survive people.

Family - Survive ;
I created an visualization that show if a person is member of an family in titanic, and shows if he or she survived. I used color to see survival rate. We can easily see ticket class and family survive rate. Rich families has more chance to survive.

v1 : https://public.tableau.com/profile/g.rkem.berk.ahan#!/vizhome/project7_2/Family-Survive (https://public.tableau.com/profile/g.rkem.berk.ahan#!/vizhome/project7_2/Family-Survive)
v2 : https://public.tableau.com/profile/g.rkem.berk.ahan#!/vizhome/project7-V2/StoryOfTitanicSurvive (https://public.tableau.com/profile/g.rkem.berk.ahan#!/vizhome/project7-V2/StoryOfTitanicSurvive)
v3 : https://public.tableau.com/profile/g.rkem.berk.ahan#!/vizhome/project7-V3/StoryOfTitanicSurvive (https://public.tableau.com/profile/g.rkem.berk.ahan#!/vizhome/project7-V3/StoryOfTitanicSurvive)

Feedbacks :

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* What do you notice in the visualization?
Accordind to the sample data , If person is female , your survive proba
bilty is higher than male ,
ticket class has an effect on survive, you should add label on bars ,be
acuse I didnt notice

* What questions do you have about the data?
How many child survived and how many didn't ? ( I've added new barchar
for this after feedback )

* What relationships do you notice?
Gender and survive rate is related and ticket class is realted to survi
ve

* What do you think is the main takeaway from this visualization?
Laydies and children have priorty to get in lifeboats and maybe rich pe
ople has a chance to find a lifeboat.

* Is there something you don’t understand in the graphic?
No , actually if you add label on bars to ticket-class embarked diagram
, it will be  better.
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Referances :

- Kaggle.com Titanic data description: https://www.kaggle.com/c/titanic/data (https://www.kaggle.com/c/titanic/data)
- tableau visializations