# DAND Project – Creating a Tableau story

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Dataset Used – Titanic Dataset

***Rough Version***

https://public.tableau.com/profile/alex5543#!/vizhome/TitanicRough/TitanicStory

***Final Version***

https://public.tableau.com/profile/alex5543#!/vizhome/TitanicFinal_4/TitanicStory

Summary

It is a well-known fact that the titanic had lesser number of lifeboats than required according to the number of passenger. Hence, my aim of this tableau story was to see how the evacuation process was done and did it have any relationship with various differences like class, gender, age etc.

# Design

1. I decided to first show the passenger details of the Titanic using multiple plots that showed distribution across class, age and gender.
2. I then decided to show the embarkment differences amongst the passengers based on age, gender and class.
3. Next was perhaps the two most important segments where I showed plots detailing survival rates amongst the passengers and how they differed based on Class, Sex and Age. Both female and male passenger details were plotted separately in order to allow better comparison.
4. Finally! Displayed the details of the passengers in a list as a sort of reminder and also provided a plot that used shapes in Marks section of Tableau to give an understanding of casualty rates across different classes.

I have used bar graphs mostly to present my data. There are majorly two reasons for this :

1. The Titanic Dataset is a easy and clean dataset and with my level of experience with the tool, I felt bar graphs was far easier and useful to get my point across !

2. Bar graphs are one of the most widely understood and easy plots to be interpreted, thus making it easier in getting the point across, even to novice audience.

   - My layout has been selected in a fashion that allows visual comparison wherever possible between plots. For example, male and female plots for

survival ratios were drawn together in a manner that allowed for easy comparison.

- I have used bubble chart to depict class statistics as the size of the bubble was a good way of showing the data without using any scale or quantified value. Tables have been used in places where the amount of information was minimal, except for the final passenger list, but that anyways was only intended as reminder of the long list of passengers and lives lost.

# Feedback

I asked feedback and suggestions from my friends orally and received the following:
1. Use clear labels when showing survived or not across the plots.
2. Maybe use better colour combinations for men and women.
3. Avoid displaying the count inside the bars in Survival by Age plot.

### Positives
1. Nice display of data with minimal text.
2. Proper sequence in the story
3. Visually appealing
4. Gives clear answers about survival rates based on different parameters

**Reviewer Feedback**

Have added the plot analysis wherever thought necessary.

Rectified the hiding of the legend.

## Actions Taken

I incorporated the suggestions I received. I changed the label of survived data from '0' and '1' to Deaths and survived. I also removed the displaying of count inside the bars in the survival by Age plot. I didn't change the colour combinations as it seemed Okay to me in this regard.

The plots in the story make it clear that women had much more chances of surviving across the classes than men. This is probably due to the women and minors first rule in the evacuation rules. Money also played a factor in the survival rates and people from First Class had higher survival rates that the cheaper classes.