# Create a Tableau Story – Titanic Data

[First Story: Tableau Story from Titanic Data](https://public.tableau.com/profile/mohammad.jamal.khan#!/vizhome/Titanic_Story_1/Story1)

[Final Story: Tableau Story from Titanic Data](https://public.tableau.com/profile/mohammad.jamal.khan#!/vizhome/Titanic_Story2/SurvivalStory)

**Summary**

Titanic data contains passenger information of 891 passengers on board the ship. I will create the story/visualization that shows the passenger information between the passengers who survived and those who died.

**Design**

* I scanned each factor affecting the survival of the passengers e.g. Gender, Age, Ticket Class, Embarked from.
* I plotted different bar graphs taking each factor into account to understand how each factor affect survival rates.
* I opted to put passenger survival rate on Y-axis and different factors affecting the passenger’s survival on X-axis e.g. (Gender, Age, Ticket Class, Embarked from). It becomes easy to compare and understand passenger survival rate by looking at the height of the bar.
* I chose to plot the graphs using bar charts as it is easy to compare the survival rate against different dimensions.

**Feedback**

* Age – It’s difficult to understand from graph what message is conveyed in the graph.
  + In the final story, I grouped the age in three categories i.e. minors (0-17), elders 60+) and others.
  + I displayed Average survived instead sum of survived.
* Embarked – In Embarked visualization, what is X-axis signify? What is null?
  + I filtered out null values.
  + I changed X-axis from symbols (C, Q, S) to the respective city names (Cherbourg, Queenstown & Southampton) where the passengers embarked from.
* Survived – What is the meaning of 0 & 1?
  + I changed the alias names of 0 & 1 to Dead & Alive for better understanding.
* All Graphs – They look too thin and not appealing.
  + I adjusted graphs visualization to fit better on the screen.
* number of records – In 1st slide, changed it to “number of passengers”
* Pclass – Changed Pclass to “Ticket Class”
* I created a new version of tableau story to reflect all the changes.
* I have maintained initial and last version of the tableau to compare the initial and the final outcome.
* In the final tableau story I put short comments at each tab of the story about what that tab/graph is showing for better understanding.

**Observation:**

Observed that survival rate of elders is less than adult, age group (18 – 59) which is unlikely. This could be because of some manual error in the data. It can be investigated further, but investigation of this is not in the scope of this exercise and it can be taken up separately.

**Data File**

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**References:**

1. <https://www.kaggle.com/c/titanic/data>
2. <https://github.com/bcko/Ud-DA-Tableau-Titanic/>