

Titanic disaster data analysis

1.Introduction	2. People on-board	3. On-board vs survived	4. Regionwise survived	5. Age group, sex wise survived	6. Brief history	7 . ..
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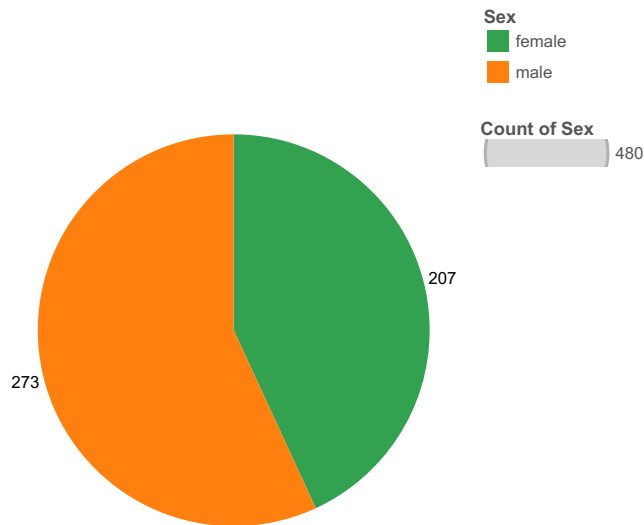
This story tells us about the titanic disaster that occurred on 14th April 1912. As per wikipedia, Titanic had 2,224 people on board when it struck an iceberg at around 23:40. The ship sank in around 2 hours and 40 minutes leading to a tragic death of 1500 people making it one of the deadliest peacetime maritime disasters in history. Let us begin our analysis by finding out how many males and females were there on the ship using the dataset we have.

Titanic disaster data analysis

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People on board

This dashboard shows the number of people on board that is categorized by sex



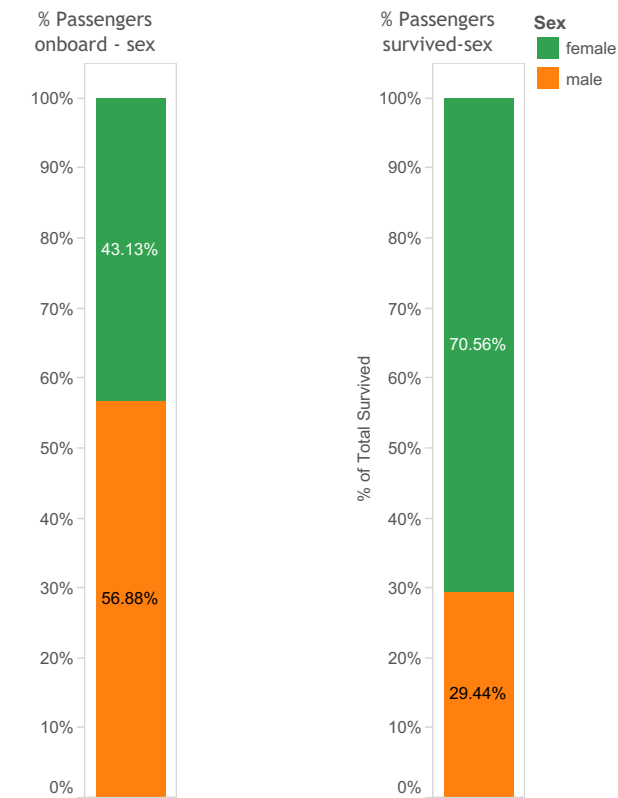
There were 480 passengers in total out of which 207 were female and 273 were male. Diving deep into our stroy you will be able to find out the details of passengers like their states, age, class in which they travelled, state they belonged to.

Titanic disaster data analysis

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On board vs. Survived

This dashboard shows the number of people on board that is categorized by sex



Let us start our analysis by first comparing the two charts shown on left that compare the % of passengers on-board with % of passengers survived. The data is categorized with respect to sex. It is evident that a very large number of female passengers survived even though there were only 43.13% female passengers on board. This tells us that female passengers were given a very high priority while rescuing the passengers from the disaster.

Titanic disaster data analysis

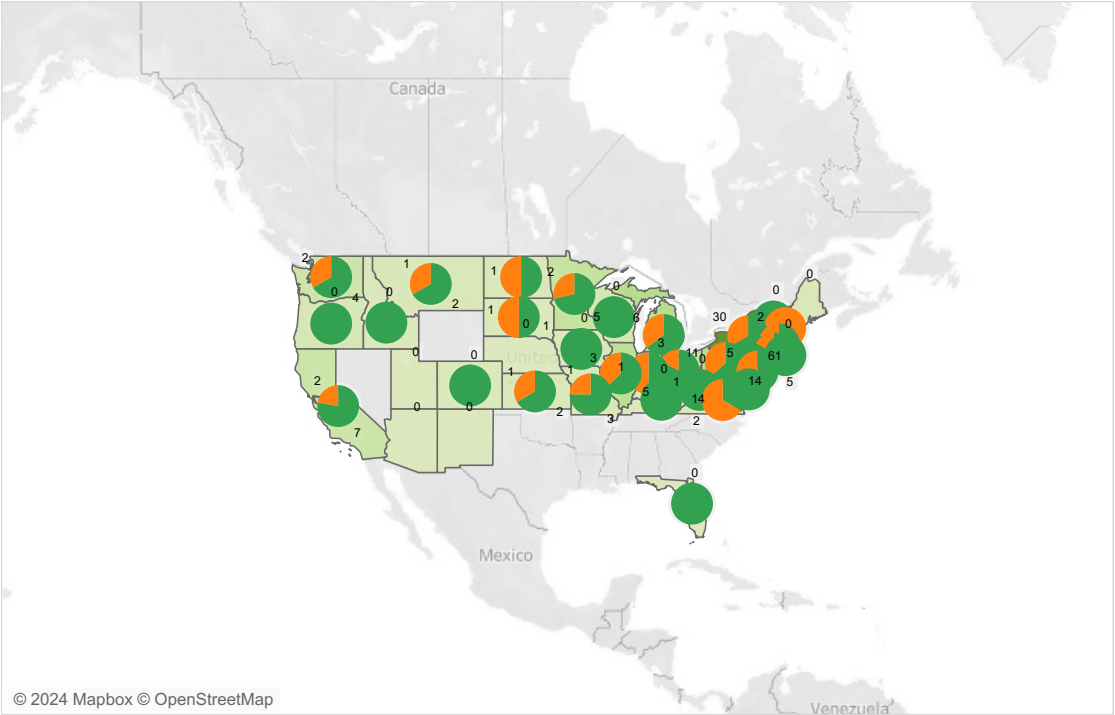
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Region wise survived

This dashboard shows the number of people survived categorized by the region they belonged to



Region-onboard

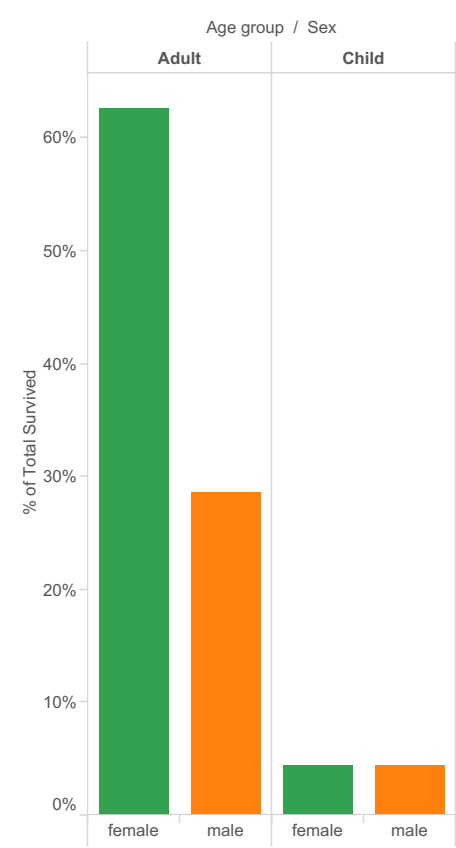


This visualization shows us from which region the passengers were from marked by shades of green. We can see that the highest number of passengers (157) were from New York. The pie charts over the regions shows us the number of passengers survived categorized by sex with respect to state

Titanic disaster data analysis

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Age group-sex wise survived



Sex
female
male

This dashboard tells us about the number of passengers survived with respect to sex and age group. The age group is divided upon the fact that if age of a passenger is greater than or equal to 12, then it is categorized as an adult.

Titanic disaster data analysis

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Brief history of the youngest and the eldest survivor

Youngest survivor

Dean, Miss. Elizabeth Gladys "Millvina" (source: www.titanichonourandglory.com) shown in the following image was the youngest survivor of the Titanic tragedy. Her starting state of journey was New York.



Eldest survivor

Crosby, Mrs. Edward Gifford (Catherine Elizabeth Halstead) was the eldest survivor of the titanic tragedy. Her starting state of journey was New York. Lets analyze their journey hereafter in our story.

Titanic disaster data analysis

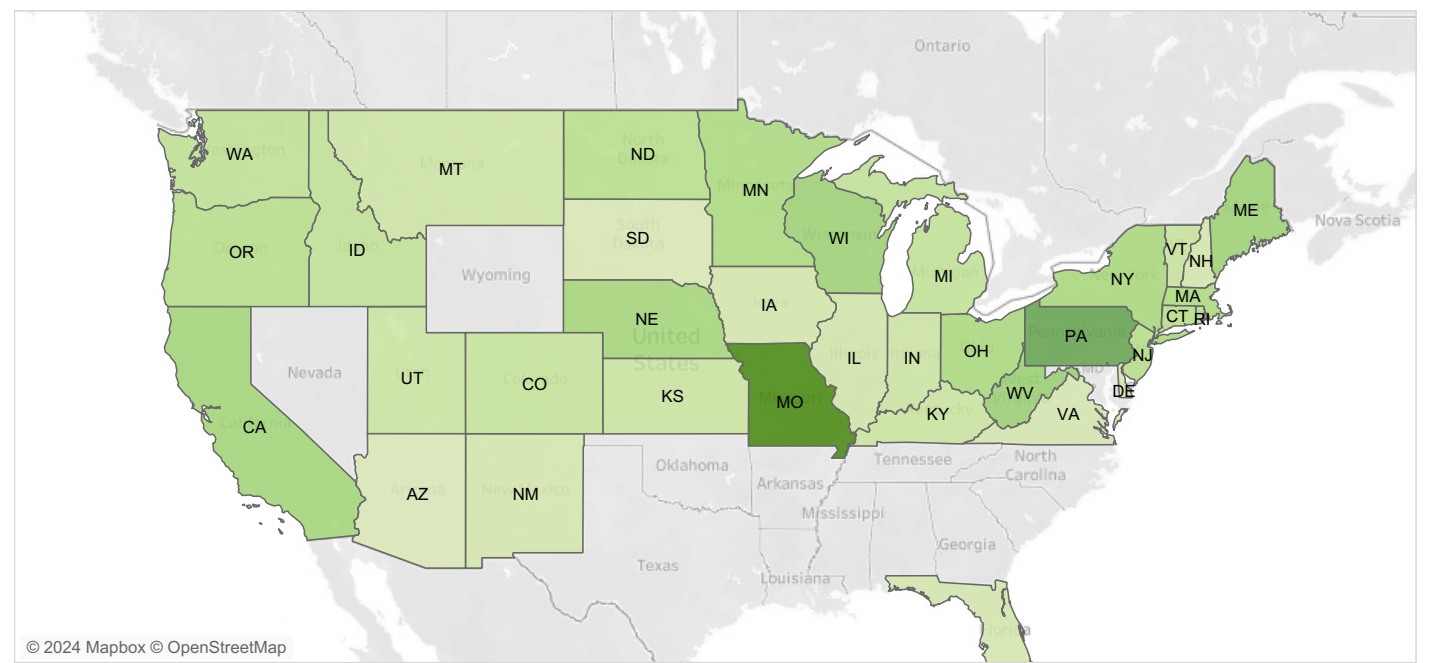
4. Regionwise survived	5. Age group, sex wise survived	6. Brief history	7. State wise avg. fare	8. Class, state wise fare	9. State, class wise people survived	10. Conclusion
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State wise average fare

This dashboard shows the average fare of each state of America. It is evident that Missouri state had the highest fare.



State-Fare



Titanic disaster data analysis

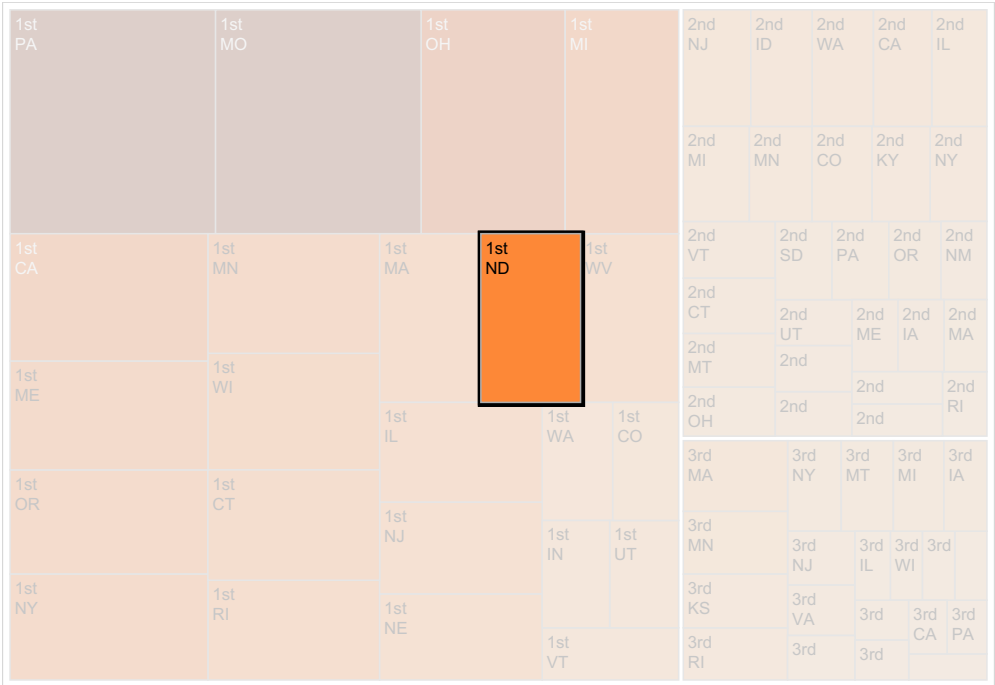
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Average Fare

This dashboard shows the average fare of each state of America.



State-class-fare



Highest average fare

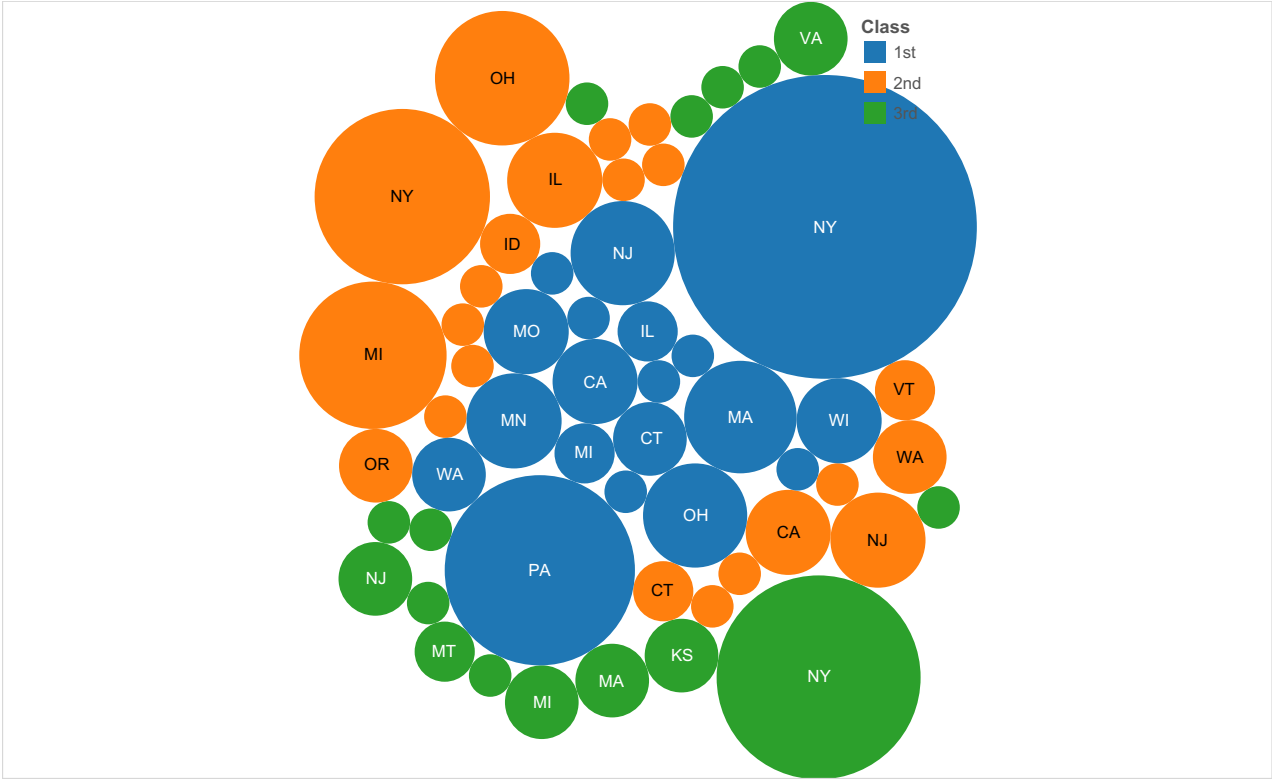
As highlighted, PA state had the highest average fare for 1st class of whopping \$165.9. Our story character Crosby, Mrs. Edward Gifford (Catherine Elizabeth Halstead) travelled in 1st class and was from Wisconsin state. Whereas, the youngest traveller Dean, Miss. Elizabeth Gladys "Millvina" travelled in the 3rd class from Kansas state.

Titanic disaster data analysis

4	5. Age group, sex wise survived	6. Brief history	7. State wise avg. fare	8. Class, state wise fare	9. State, class wise people survived	10. Conclusion
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State-class wise people survived

Sheet 8



This is a slightly complex visualization that shows the number of passengers survived with respect to states they belonged to, the class they travelled in. The color of the bubbles show the cla..

Titanic disaster data analysis

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Thus, it is very evident that the titanic disaster was one of the most tragic event in the history of mankind. Through our story we found out that people from almost all states of America were travelling in the Titanic. Maximum number of people travelling were from New York and thus, from our dataset the maximum number of people survived also appeared to be from New York. We analyzed the data set from various perspectives like analyzing the fare, class in which people travelled, categorized by sex and age.