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Data visualizations using excel

Titanic Dataset

1.What factors were most important in determining whether a passenger survived the Titanic sinking?

- Passenger Class (Pclass): Passengers in first-class had a higher chance of survival compared to those in second and third class. I found this using the pclass column.
- Traveling Alone (Alone): Using parch and SibSp Column, passengers who were traveling alone (i.e., no siblings, spouses, parents, or children) may have had a lower survival rate compared to those with family members.
- Fare (Ticket Price): Higher-fare passengers had a better survival rate. This can be done also using Pclass column.

2.Were there any significant differences in survival rates between men and women, children, and different social classes?

- A total of 109 male and 233 female passengers survived in the titanic sink. Which shows that more female passengers survived than male passengers.
- There were 64 children traveling in the ship. Out of 64, 38 children survived and 26 didn't survive. This shows that more children have survived.
- After Children, coming to teenagers, the total number of teenagers in the ship is 100. Surviving teenagers are 41 and rest 59 didn't survived.
- Which shows that the rate of teenagers surviving on ship is less.

3. Did the location of a passenger on the ship affect their chances of survival?

- There were actually 3 passenger classes on the ship.
- Out of which survival chances were different in all the classes. In detail, 136 people survived in class 1, 87 in class 2, 119 in class 3.
- Which shows that the survival count differs in the passenger classes.

4. One more insight -from students side

- Other than the above insights, I have taken the people who survived from where they have boarded the ship.
- There are 3 locations given in the dataset. They are Southampton, Cherbourg, and Queenstown.
- Survival count from Cherbourg is 93 out of 644, Queenstown is 30 out of 77, Southampton is 217 out of 644.
- I have taken the data using a pivot table for total people and another insight for the people who survived and compared both.