

Analysis of the odds ratio among passengers and genders: Titanic Dataset

We have the dataset of the survival of the Titanic and its distribution on passengers and genders. We want to figure out whether the female have higher odds of survival than male.

From then output of the dataset, we can see that 93.71% female survived (odds ratio of death =0.033), compared to the male 32.96% among the first class. And 87.85% female survived(odds ratio of death =0.023),, compared to the male 14.45% among the second class. And 37.74% female survived(odds ratio of death =0.217), compared to the male 11.62% among the third class. Therefore, the odds ratio of death(female:male) is less than 1. So female have higher survival rate. And the higher the passenger class, the higher the survival rate.

