RESULTS

This project aims to find factors that may affect survival probability of individual passengers and crew when disaster happens. I used 892 training data from Titanic case, while linear logistic regression, support vector machines and linear SVC are implemented in this project.

Through this test, it is obvious to conclude that general SVM can outperform among these three methods, according to the number of mislabeled test points. Also in terms of each factor, sex and passenger class are the two major factors that may determine survival of individual passenger, e.g. female and higher class passengers will be more likely to survive in this case.

Since I solely undertake this project, it's difficult for me to conduct deeper analysis. For further development, I will conduct better experiment and incorporate more data invisualizing methods.