1. Have predicted three models using different algorithm such as Logistic Regression, Decision

Tree Classifiers and Random Forest Classifier.

2. The model predicted using Random Forest Classifier is taken into consider for the submission,

parameter tuning is done to find the optimum value for no of estimator or no of trees.

Model with 150 trees is found to be an optimum model fit with an OOB (out of bag score)

value of 0.7901.

3. The model is predicted with the test dataset and the important features insights driving the

Survived or target variable is found.

Sex variable has predicted to have major impact with the target feature(Survived)

4. The order of feature importance's in decreasing order are:

Sex, Pclass, Fare, SibSp, Parch, Age, Embarked

5. Graphical representation is done for the various independent factors against the dependent factor to

visualize the impact of these factors and to gather insights for further intelligence purpose.