**Titanic Survival Prediction using Supervised ML.**

(Project Description)

Overview

The data has been split into two groups:

* training set (train.csv)
* test set (test.csv)

Data Dictionary

|  |  |  |
| --- | --- | --- |
| Variable | Definition | Key |
| survival | Survival | 0 = No, 1 = Yes |
| pclass | Ticket class | 1 = 1st, 2 = 2nd, 3 = 3rd |
| sex | Sex |  |
| Age | Age in years |  |
| sibsp | # of siblings / spouses aboard the Titanic |  |
| parch | # of parents / children aboard the Titanic |  |
| ticket | Ticket number |  |
| fare | Passenger fare |  |
| cabin | Cabin number |  |
| embarked | Port of Embarkation | C = Cherbourg,  Q = Queenstown,  S = Southampton |

Variable Notes

pclass: A proxy for socio-economic status (SES)  
1st = Upper  
2nd = Middle  
3rd = Lower  
  
age: Age is fractional if less than 1. If the age is estimated, is it in the form of xx.5  
  
sibsp: The dataset defines family relations in this way...  
Sibling = brother, sister, stepbrother, stepsister  
Spouse = husband, wife (mistresses and fiancés were ignored)  
  
parch: The dataset defines family relations in this way...  
Parent = mother, father  
Child = daughter, son, stepdaughter, stepson  
Some children travelled only with a nanny, therefore parch=0 for them.