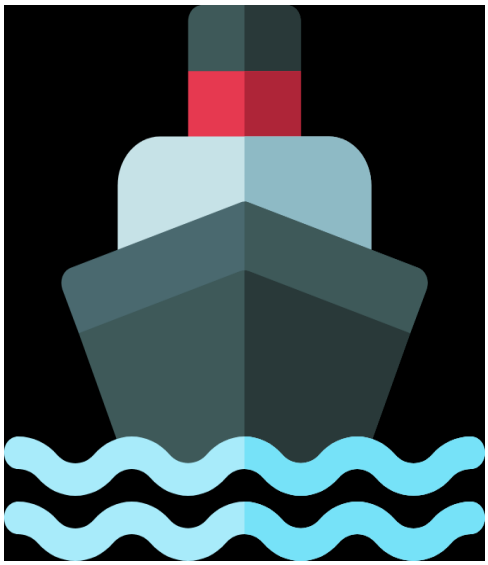
Challenge - Titanic Survivor Prediction

Titanic Survivor Prediction

Use your ML Skills to predict who will survive?

Cody and his friends decided to go on a cruise for vacation.Their cruise was named TITANIC-2 and is a complete replica of the famous titanic ship.



One of Cody's friend is paranoid on boarding the cruise as he recently watched the titanic movie and is certain if the cruise sinks he won't survive.

Cody being a good friend, decided to put his friends mind to rest by collecting data from actual titanic accident .

Now your job is to develop a model based on data collected by Cody to predict whether a given passenger will survive or not, which Cody will then use to satisfy his friend's curiosity!

Data Description

Dataset Consist of two files "Train.csv" and "Test.csv" you have to train your model on 'Train.csv' and predict the output on 'Tets.csv' ,then submit the output in the form of "sample_submission.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 traveled only with a nanny, therefore parch=0 for them.

Before submitting please check the list below:

- The column names or headers of submission file must match with that given in sample submission file.
- Datatype of the columns of submission file must match with that of the given sample_submission file.
- The number of rows must be equal to given test cases and number of columns must be equal to the columns given in the sample submission file.

Scoring & Leaderboard

- Maximum Score for this problem is 100 points. You accuracy in classification task rounded off to nearest integer becomes your final score.

Note - The original challenge is here Kaggle - Machine Learning from Disaster