Titanic - Dataset Survival prediction

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This Project is all about that people will survive on titanic Boat or not ?

Code Explanation:

- First we imported some important library, which will be useful in prediction of survival rate .

- Then we loaded the data set for further Process

- The we check the missing value by map and manually .

- Then we drop cabin column because it has lot's of missing value and we cant't fill that.

- Now we checked after dropping the cabin column that it is implemented successfully or Not .

- Now again by mapping we get that some value missing in age feature .

- Then by box plot we checked survival rate

- Again we check survival rate by box plot but this time we checked it by gender .

- Again we check survival rate by box plot but this time we checked it by Passenger class .

- Now we filled the missing value by some algorithm and assumption

- Again we checked that value is filled perfectly or not .

- Still some data is missing but in other column , so we drop that .

- Now our data is completely cleaned

- There is some features which contain String Value so first I converted into Numbers then separated into different columns.

- Now data is completely cleaned , it's time to train and test .

- We took samples for training the data and also for testing the data

- Now we used logistic regression for training the data set because logistic regression is the one who solve the problem of binary classification and here our role is predicting the survival the alive or Not .

- Now after training we check the accuracy that it is trained properly or Not by confusion matrix .

- Now finally we checked Prediction .

Thank You