

Kaggle competition:

Steps used:

- I participated in Kaggle Titanic challenge and register
- Use KNN, classification tree, linear regression,logistical regression and etc to check what will give me higher accuracy also apply this on Kaggle challenge.
- Used different models to increase the accuracy
- Checked the tips on how to increase the marks
- My model chosen: Classification tree gave me highest score
- Use fitctree: Fit binary decision tree for multiclass classification
- Saving the output of a variable in CSV

```
csvwrite('filename.csv',PREDICTED)
```

```
csvwrite('filename.csv',SURVIVED)
```




1. Model construction process

- I started by loading the data in MATLAB including the test data and training data.
- I exploited the predictors variables which are passenger class, age, sex, fare and siblings from training data.
- And I used survived variable as the response variable.
- I used these data to construct the model.
- The model used is classification tree, so I used fitctree function in MATLAB to build the model.
- I pruned it to find the better model.

2. Prediction:

- After constructing my model, I sorted the data from testing dataset.
- Again, I used the passenger class, age, sex, fare and siblings from testing dataset.
- And I used these testing data and predict MATLAB function to predict the survives people in titanic.

3. The result:

2868	Charles Gatete		0.78468	2	1m
Your Best Entry 					
Your submission scored 0.78468, which is an improvement of your previous score of 0.73205. Great job!				 Tweet this!	