Classification Problems 1

1. Problem: Titanic: Machine Learning from Disaster
2. <https://www.kaggle.com/c/titanic/data>

1. Get the titles (from names) and try use it as feature

2. Age group & relate with survived

3. Family size --

4. Cabins - 1st column (cabin yes/no), 2nd column (A / B / C / N)

Classification Problems 2

1. Problem: Ghouls goblins and ghosts <https://www.kaggle.com/c/ghouls-goblins-and-ghosts-boo/data>
2. Do the following tasks:
   1. Apply random predictions/majority based prediction to each observation and find out how much accurate your predictions are by submitting to kaggle?
   2. Find out the pattern in the data manually and then hard-code the logic. Find out the accuracy by submitting to kaggle.
   3. Find out the pattern in the data with machine learning approach using decision tree algorithm. Find out the accuracy after submitting to kaggle.

Classification Problem 3

1. Goto Kaggle.com, search for classification
2. Otto Group Product Classification Challenge
3. <https://www.kaggle.com/c/otto-group-product-classification-challenge>
4. Download train data, test data, and sample submission files
5. Use decision tree approach, build ml model
6. Use Grad search cv, please use at least 20 combinations and select best parameters for building model
7. Submit predictions to Kaggle and update me with rank/score (please take screenshot)

Happy classification !