Train Test and Save model

Table of contents:

Step-1: Import the library

Step-2: Setting up the data

Step-3: Training and saving model

Step-4: Loading the saved model

Step1 - Import the library

We have imported model_selection, datasets, DecisionTreeClassifier which will be needed for the dataset.

from sklearn import

model_selection, datasets

from sklearn.tree import

DecisionTreeClassifier from

sklearn.externals import joblib

import pickle

Step 2- Setting up the Data we have loaded inbuilt wine dataset and stored data in x and target in y.

Step 3-Training and saving the model

We are using DecisionTreeClassifier as a model. We have trained the model by training data.

Step 3-Loading the saved model

We are loading the saved model by using joblib. Load & after loading the model we have used score to get the score of pretrained saved model.

```
loaded_model
=
joblib.load(filename)
result =
```

loaded_model.score(x_test, y_test)

print(result)

so the output comes as:

0.9444444444444444

Submitted by,

S.Praveena Malar (950919106016)

S.Renuka Malar(950919106017)

S.Sharon Sheltto (950919106018)

E.Subha (950919106019)

Team ID: PNT2022TMID49983