

Assignment 05

Random search and hyperopt

1. Load titanic.csv file.
2. Select 'Pclass','SibSp','Parch', 'Fare'; columns as data. Select 'Survived' column as label.
3. Apply SVM to classify the data.
4. Use 5-Fold Cross Validation to generalise the model accuracy.
5. Use random search and hyperopt packages to identify the best possible SVM model from the following search space.

'C': [0.1, 1, 10, 100, 1000],
'gamma': [1, 0.1, 0.01, 0.001, 0.0001],
'kernel': ['rbf']



Please note the following:

Dataset is added along with

Do the assignment in Jupyter notebook/colab

Add the .ipynb file to GitHub as public and share the link in Paatshala