

Theoretical and practical metagenomic approaches to viral discovery

Practical Session: Random Forest Classifier and viral application

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How to: Implement the Random Forest Classifier

RANDOM FOREST

```
1 from sklearn.ensemble import RandomForestClassifier
2 from sklearn import datasets
3 # we know this already...
4 iris = datasets.load_iris()
5 data = iris.data
6 target = iris.target
7
```

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7
8
9 # create the classifier object
10 # n_estimators: number of trees for the forest
11 # max_depth:
12 rfc = RandomForestClassifier(n_estimators=100, max_depth=2)
13 rfc = rfc.fit(data,target)
```

COFFEE BREAK

