Cheatography

Python for Machine Learning Cheat Sheet

by KYS1477 via cheatography.com/186487/cs/39560/

Packages

```
from sklearn.model_selection import test_train_split
from sklearn.metrics import confusion_matrix
from sklearn.preprocessing import MinMaxScalar, StandardScalar
```

Syntax

```
# Selecting and training the model
model =
model.f it (X_ train, y_train)
# Using the model to predict
y_pred = model.p re dic t(X _test)
```

Processing data

MinMaxScalar().fit_transform([[value] for value in data])	min-max-scaling (normalization) works well if predictor is roughly uniform Z score scaling (standardisation) works if there are outliers
dummy_vars = pd.get_dummies(df.col) df = pd.concat([df, dummy_vars], axis=1)	one hot encoding

```
train, test = train_test_split(df, test_size=0.2)
```

Evaluating model

```
confusion_matrix(y_test, y_pred)
```