

Packages

```
from sklearn.model_selection import train_test_split

from sklearn.metrics import confusion_matrix

from sklearn.preprocessing import MinMaxScaler, StandardScaler
```

Syntax

```
# Selecting and training the model
model =
model.fit(X_train, y_train)
# Using the model to predict
y_pred = model.predict(X_test)
```

Processing data

MinMaxScaler().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
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```
dummy_vars = pd.get_dummies(df, col)
```

```
df = pd.concat([df, dummy_vars], axis=1)
```

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

Evaluating model

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



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