DataJam

BEGINNERS

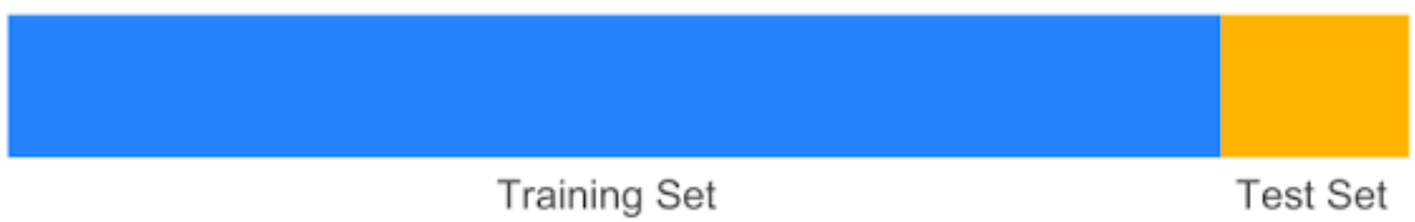
ML

Concepts & Introduction

Context : Functions

- ML → predictions
  - Scikit-learn Framework
  - Keras framework
  - Tensorflow framework
  - …
- ONLY scratching the surface

Built-in vs Custom Functions



	feature 1	feature 2	response	
X_train	1	2	2	y_train
	3	4	12	
X_test	5	6	30	y_test
	7	8	56	
	9	10	90	

- Good practices
  - 70-30 rule
  - Shuffle your data
  - Make sure you have enough data

ML in 4 steps & 4 imports

sklearn, numpy, matplotlib, pandas

Reshape if needed: X_train,Y_train

Run: Model.fit(X_train,Y_train)

Run: Model.predict(X_test,Y_test)

Run: accuracy_score(y_true, y_pred)

ML in 10 lines

GO AND REWRITE WITH THE PACKAGES SEEN TODAY:
matplotlib, pandas, scikit-learn

➡ https://dbaumgartel.wordpress.com/2014/03/10/a-scikit-learn-example-in-10-lines/