K-Means & Other Clustering Algorithms: A Quick Intro with Python

Clustering is the grouping of objects together so that objects belonging in the same group (cluster) are more similar to each other than those in other groups (clusters). In this intro cluster analysis tutorial, we'll check out a few algorithms in Python so you can get a basic understanding of the fundamentals of clustering on a real dataset.

**>>> from** **sklearn** **import** cluster, datasets

**>>>** iris = datasets.load\_iris()

**>>>** X\_iris = iris.data

**>>>** y\_iris = iris.target

**>>>** k\_means = cluster.KMeans(n\_clusters=3)

**>>>** k\_means.fit(X\_iris)

KMeans(algorithm='auto', copy\_x=True, init='k-means++', ...

**>>>** print(k\_means.labels\_[::10])

[1 1 1 1 1 0 0 0 0 0 2 2 2 2 2]

**>>>** print(y\_iris[::10])

[0 0 0 0 0 1 1 1 1 1 2 2 2 2 2]

