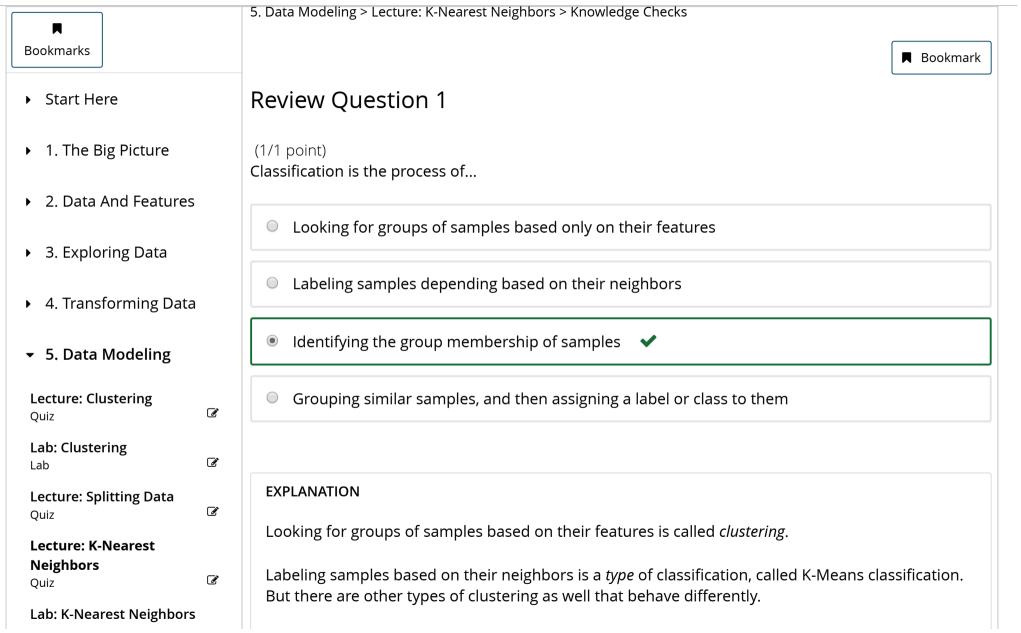


Microsoft: DAT210x Programming with Python for Data Science



Lab

Classification really is the process of assigning groups to samples.

You have used 1 of 2 submissions

Review Question 2

(1/1 point)

The main similarity between K-Neighbors and K-Means are...

They both use distance functions to tackle the problem of group assignment



- They both have the same, non-linear, decision boundary
- They both have a K in their names
- They both are classification algorithms that aim to assign a label to your samples

EXPLANATION

The correct answer is that they both use distance functions to tackle the problem of group assignment.

They do not have the same decision boundary because K-Means handles cluster assignment by nearest centroid, where K-Neighbors is based on the classification of the nearest K samples. One is a clustering algorithm that groups samples, the other is a classification algorithm that separates samples into classes.

And while they do both have a "K" in their name, that is only a casual similarity and not a primary one.

You have used 1 of 2 submissions

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