



Test Your Knowledge

Question 1 1 / 1 pts

You work as a data scientist for the marketing department of Home Depot. You've just built a k-means clustering model to identify the groups Home Depot's customers naturally fall into. When you rerun your model, you are guaranteed to have the same customers fall into the same groups as before.

Correct

True

False

Question 2 1 / 1 pts

You are building a k-means clustering model that will automatically organize any documents into themed folders. After building and running the model, you notice that documents that fall into different folders could actually belong in the same folder. What should you do to fix this issue?

Correct

None of these two strategies

Decrease the number of clusters

Increase the number of clusters

Any of these two strategies

Question 3 0 / 1 pts

Distortion will never increase as the number of clusters increase.

Correct Answer

True

You Answered

False

Question 4 1 / 1 pts

In order to implement the k-means clustering, I need to have historical information for the target variable.

Correct

True

False

Question 5 1 / 1 pts

K-means clustering suffers from the curse of dimensionality.

Correct

True

False

Question 6 1 / 1 pts

Before implementing k-means clustering, it is a good idea to scale/normalize the variable.

Correct

True

False