IBM Module 4 Solutions

Review Question 1

1/1 point (graded)

Which one is NOT TRUE about k-means clustering??

○ k-means divides the data into non-overlapping clusters without any cluster-internal structure.

○ The objective of k-means, is to form clusters in such a way that similar samples go into a cluster, and dissimilar samples fall into different clusters.

● As k-means is an iterative algorithm, it guarantees that it will always converge to the global optimum.

✓

Save

Submit   You have used 1 of 2 attempts

✓ Correct (1/1 point)

Submit   You have used 1 of 2 attempts

✓ Correct (1/1 point)

Review Question 2

1/1 point (graded)

Customer Segmentation is a supervised way of clustering data, based on the similarity of customers to each other.

○ True

● False

✓

Submit   You have used 1 of 1 attempt

✓ Correct (1/1 point)

Review Question 3

✔ Correct (1/1 point)

Review Question 3

1/1 point (graded)

How is a center point (centroid) picked for each cluster in k-means?

- ◉ We can randomly choose some observations out of the data set and use these observations as the initial means.

- ○ We can select the centroid through correlation analysis.

✔

Submit   You have used 1 of 1 attempt

✔ Correct (1/1 point)

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