

Congratulations! You passed!
Grade received 100%
To pass 80% or higher
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1. Fill in the blank: K-means is an unsupervised partitioning algorithm used to organize _____ data into clusters. 1 / 1 point

- ☒ unlabeled
- ☐ presorted
- ☐ hierarchical
- ☐ subcategorized

☒ Correct
K-means is an unsupervised partitioning algorithm used to organize unlabeled data into clusters. It does this by creating a logical scheme to make sense of the data.

2. In k-means, what term describes the point at which each cluster is defined? 1 / 1 point

- ☐ Core
- ☒ Centroid
- ☐ Commonality
- ☐ Coordinate

☒ Correct
In k-means, the centroid is the point at which each cluster is defined. Its position represents the center of the cluster, also known as the mathematical mean.

3. A data professional is repeating certain tasks that will enable them to create a k-means model. They continue doing this until the algorithm converges. Which step of the model-building process does this scenario represent? 1 / 1 point

- ☐ Step one
- ☐ Step two
- ☐ Step three
- ☒ Step four

☒ Correct
Step four involves repeating steps two and three until the algorithm converges.