

# MODULE 7 QUIZ 1

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1. Clustering is a \_\_\_\_\_ method of learning. \*

1 point

- ☒ Unsupervised
- ☐ Supervised
- ☐ Self-supervised



2. Which of the following is an appropriate distance metric for clustering vectors \* 1 point

- ☐ Jaccard Distance
- ☐ Minkowski Distance
- ☐ Cosine Distance

3. K-means clustering method will always converge to some solution irrespective of initialization. (ie. convergence is guaranteed) \* 1 point

- ☐ TRUE
- ☐ FALSE

4. K-means clustering always gives the same result with every initialization. \* 1 point

- ☐ TRUE
- ☐ FALSE

5. The SSE (Squared Sum Error) \_\_\_\_\_ variance within cluster and \_\_\_\_\_ variance between clusters. \* 1 point

- ☐ minimizes, maximizes
- ☐ minimizes, minimizes
- ☐ maximizes, minimizes
- ☐ maximizes, maximizes

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