Your grade: 80%

Your latest: **80%** • Your highest: **80%** • To pass you need at least 60%. We keep your highest score.

Next item →

1. *What is the other name we can give to the L2 distance?* 1 / 1 point

- ○ Hamming Distance
- ○ Mahalanobis Distance
- ○ Manhattan Distance
- ◉ Euclidean Distance

Correct
Correct! You can find more information in the video Distance Metrics: Euclidean and Manhattan Distance.

2. *Which of the following statements is a business case for the use of the Manhattan distance (L1)?* 1 point

- ○ We use it in business cases where there is very high dimensionality.
- ○ We use it in business cases with outliers.
- ○ We use it in business cases where the dimensionality is unknown.
- ◉ We use it in business cases where there is low dimensionality.

Incorrect
Incorrect. Please review the video Distance Metrics: Euclidean and Manhattan Distance.

3. *What is the key feature for the Cosine Distance?* 1 / 1 point

- ◉ The Cosine Distance, which takes into acount the angle between 2 points.
- ○ It is sensitive to the size of the data set.
- ○ It is not sensitive to the size of the data set.
- ○ The size of the curve.

Correct
Correct! This metric gives us the cosine of the angle between vectors, define by each point. You can find more information in the video Distance Metrics: Cosine and Jaccard Distance.

4. *The following statement is an example of a business case where we can use the Cosine Distance?* 1 / 1 point

- ○ Cosine distance is more sensitive to the curse of dimensionality
- ◉ Cosine is better for data such as text where location of occurrence is less important.
- ○ Cosine is useful for coordinate based measurements.
- ○ Cosine distance is less sensitive to the curse of dimensionality

Correct
Correct! You can find more information in the video Distance Metrics: Cosine and Jaccard Distance.

5. *Which distance metric is useful when we have text documents and we want to group similar topics together?* 1 / 1 point

- ○ Manhattan Distance
- ○ Mahalanobis Distance
- ○ Euclidean
- ◉ Jaccard

Correct
Correct! You can find more information in the video Distance Metrics: Cosine and Jaccard Distance.