



## Your grade: 100%

Your latest: **100%** • Your highest: **100%**

To pass you need at least 66%. We keep your highest score.

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1. What is the other name we can give to the L1 distance?

1 / 1 point

- ☐ Hamming Distance
- ☐ Euclidean Distance
- ☒ Manhattan Distance

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

- ☐ Mahalanobis Distance

2. What is the key feature for the Jaccard Distance?

1 / 1 point

- ☒ It looks at the difference and similarities for sets of values.

Correct! This is observed by calculating the intersection between two sets.

- ☐ It describes distance by squaring each term, adding and squaring them.
- ☐ It is obtained by adding up the absolute value of each term.
- ☐ It takes into account the angle between 2 points.

3. What is an advantage of the L1 distance over L2?

1 / 1 point

- ☐ It's useful for coordinate based measurements.
- ☒ It can better handle high dimensional data.

Correct! It's better able to distinguish different distances because it will always be larger than L2 score.

- ☐ It shows the difference between sets of values.
- ☐ It's better for data where location of occurrence is less important.