

What are some common distance metrics used in clustering algorithms?

- Euclidean Distance - Euclidean Distance represents the shortest distance between two vectors. It is the square root of the sum of squares of differences between corresponding elements.
- Manhattan Distance - Manhattan Distance is the sum of absolute differences between points across all the dimensions.
- Minkowski Distance - Minkowski Distance is the generalized form of Euclidean and Manhattan Distance.
- Hamming Distance - Hamming Distance measures the similarity between two strings of the same length. The Hamming Distance between two strings of the same length is the number of positions at which the corresponding characters are different.