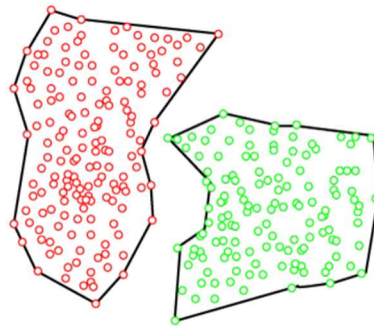


Density Based Clustering

The density-based clustering method connects the highly-dense areas into clusters, and the arbitrarily shaped distributions are formed as long as the dense region can be connected. This algorithm does it by identifying different clusters in the dataset and connects the areas of high densities into clusters. The dense areas in data space are divided from each other by sparser areas.

These algorithms can face difficulty in clustering the data points if the dataset has varying densities and high dimensions.



It finds clusters based on the density of data points in a region. These algorithms can discover clusters of arbitrary shape and are robust to noise.

How it works: DBSCAN (Density-Based Spatial Clustering of Applications with Noise) groups together points that are closely packed together and marks points that are in low-density regions as outliers.