

Density-Based Spatial Clustering of Applications with Noise

DBSCAN

density-based clustering algorithm: find high-density regions

- one of the most widely used clustering algorithm
- 24th most cited data mining article in 2010
- does not require to choose the number of clusters
- no free lunch: other settings have to be tuned

M. Ester, H.-P. Kriegel, J. Sander, X. Xu. A density-based algorithm for discovering clusters in large spatial databases with noise. Proc. KDD, 1996, pp. 226–231.