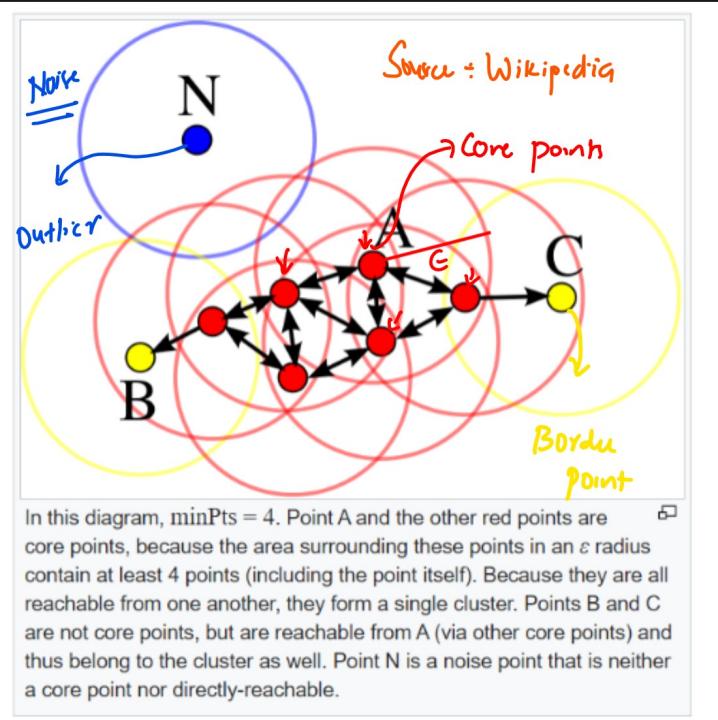


DBSCAN Clustering.



● → Core point
● → border point
● → Outlier

$\left. \begin{array}{l} \\ \\ \end{array} \right\}$ Non linear Clustering

$\text{minpts} = 4 \quad \epsilon = \text{radius}$

Core point

- $\text{minpts} = 4$
- ① No. of points within the ϵ Should be greater ≥ 4

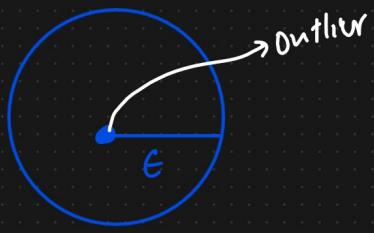


Border point

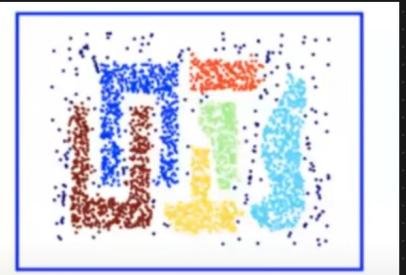
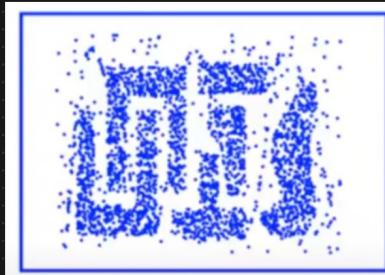
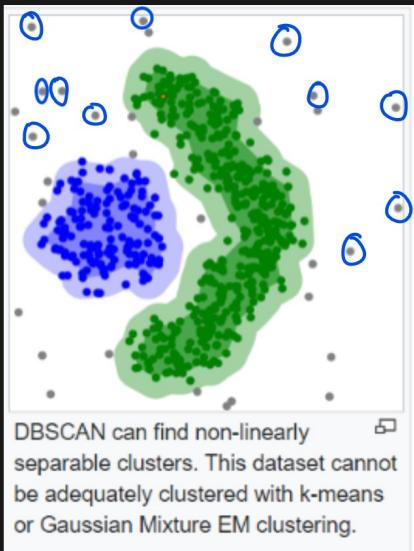
no. of data points within this radius will be less than minpts



Outlier (Noise)



Some Examples after we apply DBScan Clustering



The left image depicts a more traditional clustering method that does not account for multi-dimensionality. Whereas the right image shows how DBSCAN can contour the data into different shapes and dimensions in order to find similar clusters.