

DBSCAN Algorithm Steps

DBSCAN Algorithm Flowchart

1. For each point p in dataset:
 - └ Count neighbors within ϵ distance
2. Classify points:
 - └ Core: $\geq \text{MinPts}$ neighbors
 - └ Border: Within ϵ of core point
 - └ Noise: Neither core nor border
3. Form clusters:
 - └ Start with unvisited core point
 - └ Add all density-reachable points
 - └ Repeat for remaining cores
4. Output:
 - └ Clusters + noise points