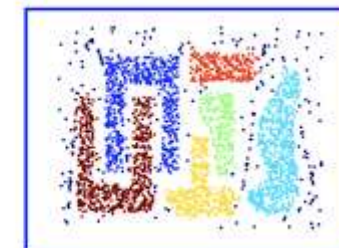
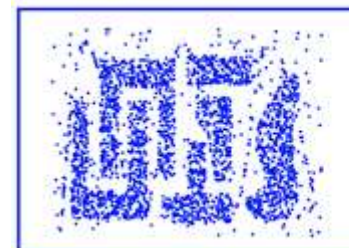
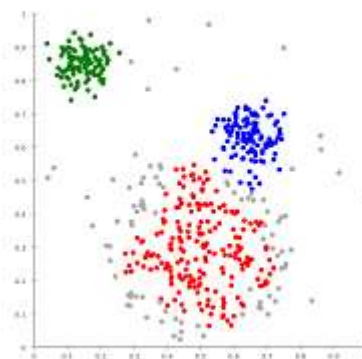
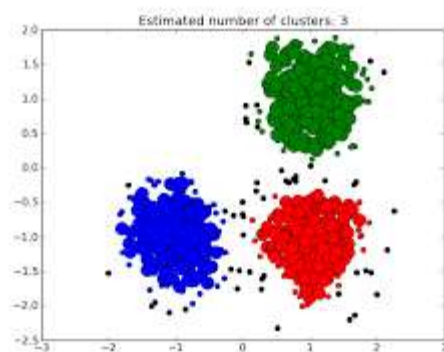
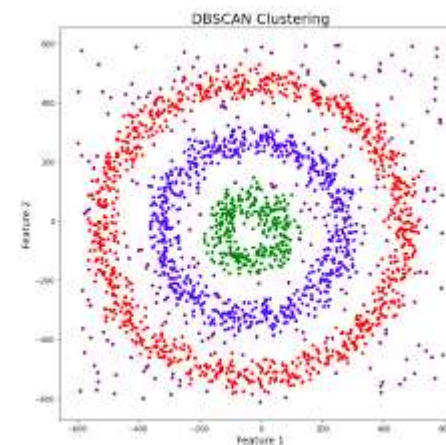
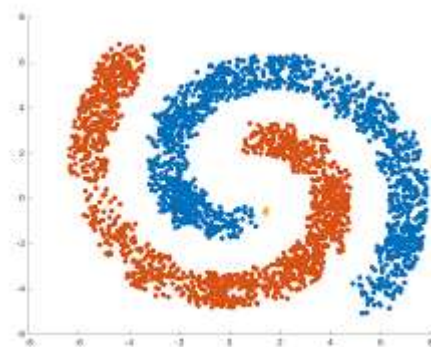
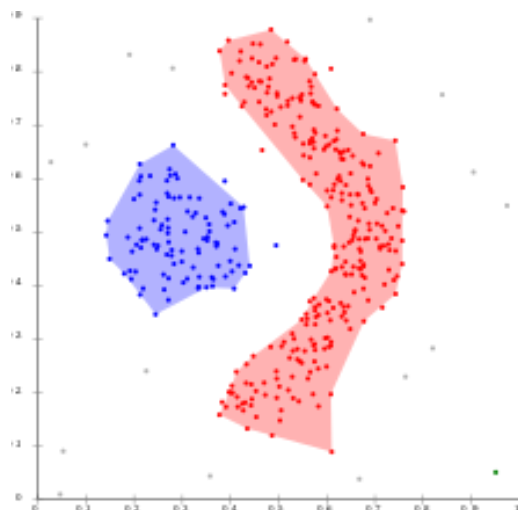


# DBSCAN

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114) key phrase... “DBSCAN”



# Data of diverse shapes

- Input: A set of data points
- Process: DBSCAN
- Output: A set of clusters

# Sketch of the algorithm

- STEP 1:
  - STEP 1A: Determine Core points
    - A point having within a given radius (**eps** parameter)
    - A minimum number of **N** points
  - STEP 1B: Determine Member points
    - The points falling within the radius of a core point
    - The closest core point
- STEP 2 : Merging
  - Find a connected islands of core points
  - If two core points are within 'eps' radius, merge them into one set
- STEP 3: Determine all islands of core points → These are clusters