CURE: Clustering Using Well-Scattered Representatives

CURE: Clustering Using Representatives

❑ **CURE** (Clustering Using REpresentatives) (S. Guha, R. Rastogi, and K. Shim, 1998)
   ❑ Represent a cluster using a set of well-scattered representative points 使用代表点
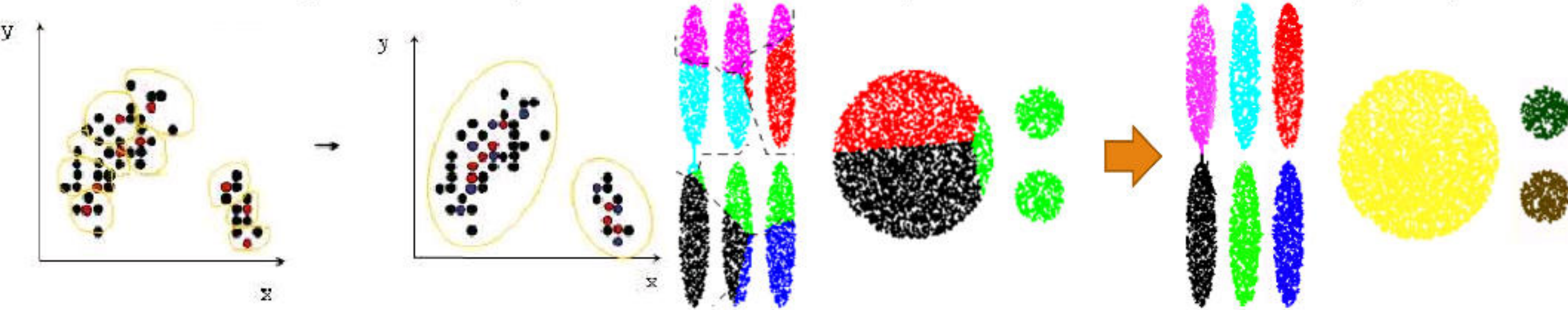❑ Cluster distance: Minimum distance between the representative points chosen 去表示
   ❑ This incorporates features of both single link and average link 类.
❑ Shrinking factor α: The points are shrunk towards the centroid by a factor α
   ❑ Far away points are shrunk more towards the center: More robust to outliers
❑ Choosing scattered points helps CURE capture clusters of arbitrary shapes

Courtesy: Kyuseok Shim@SNU.KR

2