

CZ/CE 4032
Data Analytics & Mining

Tutorial – Week 2

Clustering – basic methods

Lin Guosheng
School of Computer Science and Engineering
Nanyang Technological University

Questions

- Q1:
- Perform K-means on the following 6 data points for 2 iterations. The number of clusters is 2. The initial centroids are at data point E and F.

A	[0, -1]
B	[-2, 0]
C	[1, 2]
D	[2, 1]
E	[1, -1]
F	[-1, 2]

Questions

- Q2:
- Given the 6 data points in Q1, perform K-means for 2 iterations. The number of clusters is 2. The initial centroids are at data point C and A.

Questions

- Q3:
- Given the 6 data points in Q1, perform hierarchical clustering (agglomerative) until there is only 1 cluster. Use Single Linkage method.