

Data clustering

Data files DC-DataX.txt and DCN-DataX.txt contain all data required for the whole laboratory exercise. Two column data relate to two dimensional coordinates of the data points (they can be presented as points of x and y coordinates).

1. For a given data set do the crisp clustering into 2 clusters.
2. For a given data set do the fuzzy clustering into 2 clusters.
3. For a fuzzy clustering:
 - a) generalize the clustering algorithm to c groups, or
 - b) in each group, find the 10 data with the highest membership.