Clustering Exercises

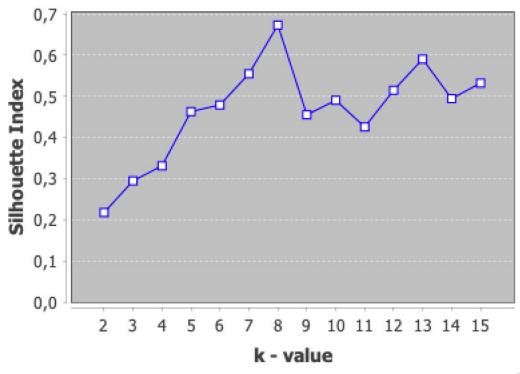
Exercise 1

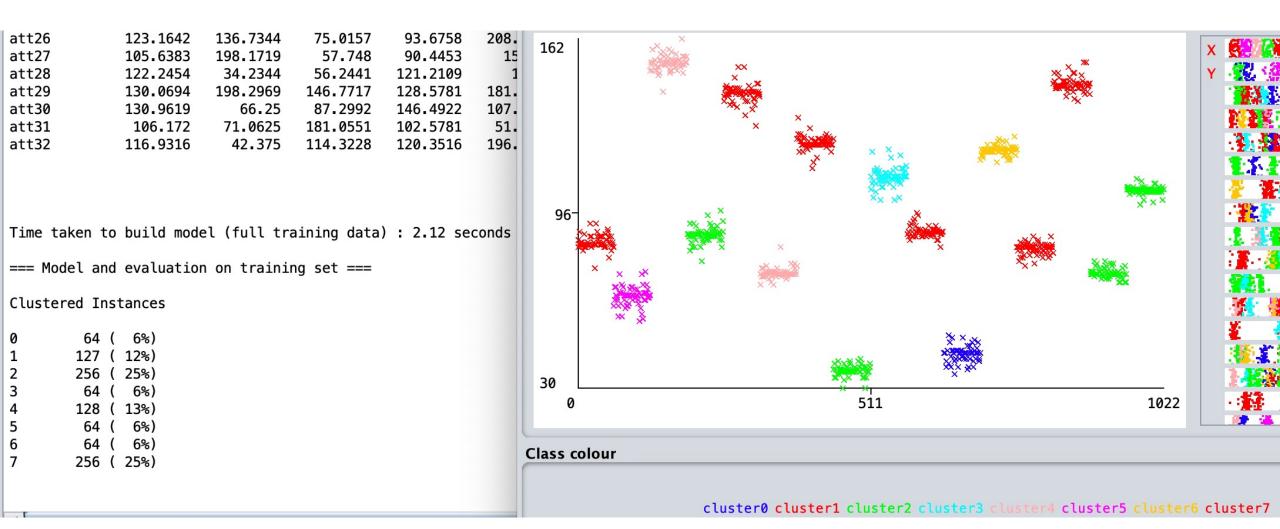
- Given the cluss.arff dataset, apply the three clustering algorithms discussed in this class as follows:
- 1) Use kValid for setting the number of clusters for the simpleKmeans (k=2-15).
- 1) Run DBscan with default parameters
- 2) Run Hierarchical clustering (default parameters) using as number of clusters the one identified by kValid and by Dbscan.
- Discuss the final results.



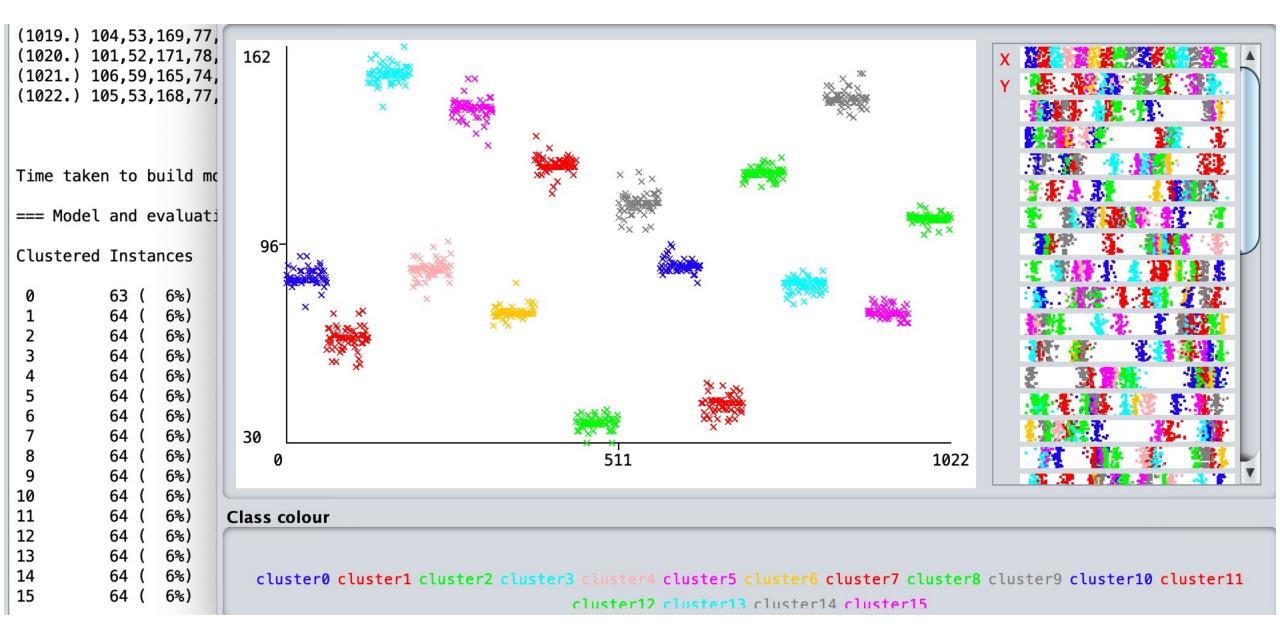
Silhouette analysis for KMeans

for k ranging between 2 and 15

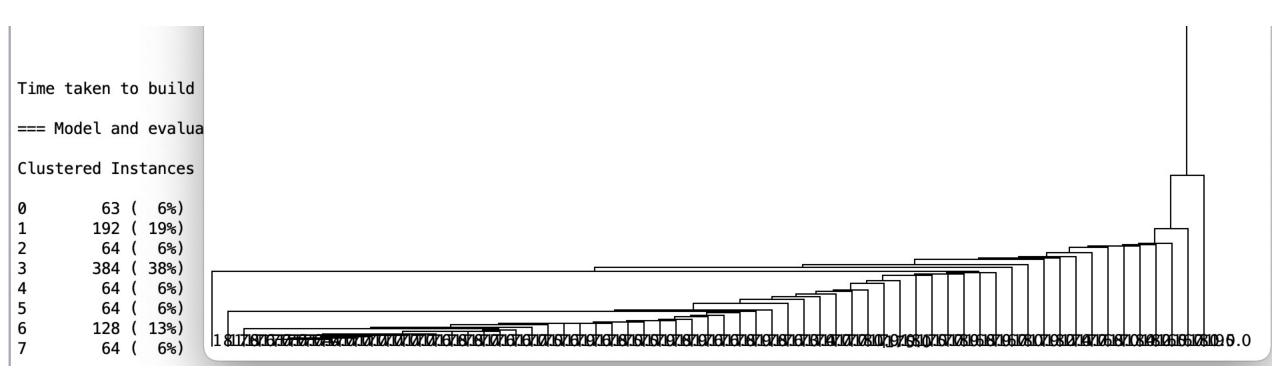




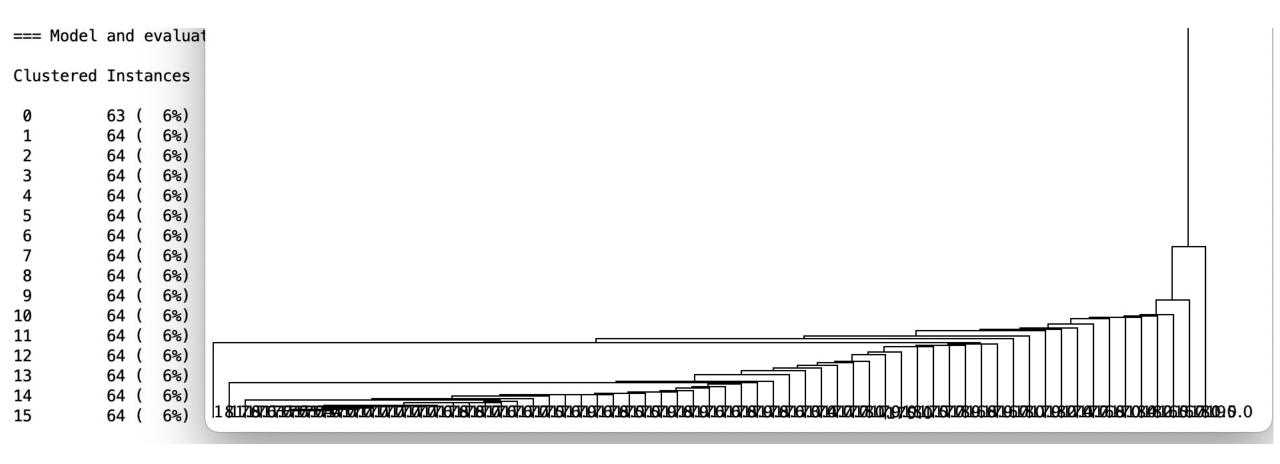
Kvalid with k = 8



DBScan with default



Hierarchical clustering with number of clusters = 8



Hierarchical clustering with number of clusters = 15