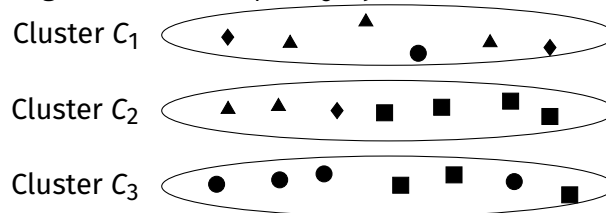


Assignment 9: Cluster Evaluation and SCHISM

Due: Thursday, 30.6.2022

Problem 9-1 Evaluation of Clusterings**8**

Given the following clustering into clusters C_1 to C_3 , symbols indicate classes.



- Compute the cross-tabulation matrix, and its marginals. *Label* your rows and columns!
- Compute the number of pairs in each intersection.
- Compute the true positives, false positives, true negatives and false negatives.
- Compute the Jaccard and Rand indexes.
- Compute the expected value of the Rand index, and the Adjusted Rand Index (ARI).

Problem 9-2 SCHISM**6**

Compare CLIQUE and SCHISM:

- What is the difference in their density threshold definition?
- Explain the advantage of a variable threshold for subspace clustering.
- Are there also disadvantages? Explain how they possibly affect the result.