Peer Review Guidelines

The following questions may help you writing your report and grading your peers (Total 30 Points for each part: 9 Points for Dimensionality Reduction, 9 Points for Clustering and 12 Points for Apriori)

General Assessment Criteria:

- Is it clear which tasks are finished?

- Do you think the documentation is sufficient?

- Is it clear how the author has solved the task and is there some reasoning why they did it in this way?

- Did the authors implement an idea, which was not introduced in the lecture? Would you suggest giving bonus points for that?

- Does the author have encountered difficulties?

  - Are these issues comprehensible? Do you understand their point of view?

  - Do you think it is reasonable to give full/partial/zero points?

- Do you have some suggestions to improve the documentation?

Dimensionality Reduction (PCA) Part:

- Did the student use python libraries correctly?

- Did the student implement from scratch PCA via SVD?

- Did the student compare the results?

- Was the student able to interpret the results in the report?

- Did the student visualize the data properly?

Clustering Part:

- Are all visualizations presented?

- Do all of them have class label information such that comparison is facilitated?

- Did the student try different Algorithms and parameters? (gives additional points)

- Did the student justify the choice for parameters well?

- Did the student interpret the NMI + ARI score correctly?

- Did the student identify any problems and discussed them such that partial points are justified?

Apriori Part:

- Can you compile and execute the implemented algorithm?

- Is the algorithm documented?

- Does the implementation make use of specific data structures to speed up the algorithm?

- Are the results correct?