**Document clustering**

This is our first group-homework. You need to finish the homework with your group members. Note that the number of members in each group is no more than three.

Please use the dataset ‘AAAI 14 Accepted Papers’ to do the following tasks:

1. Apply the relative entropy rule to cluster different papers into different groups according to their titles, abstracts, keywords.
2. Besides the relative entropy rule, please apply another method to achieve the target in 1.
3. Please write a report according to your experiments. Note that in your report, you need to include the following contents:
4. The contributions of different members.
5. Algorithm analysis
6. Some important codes for your experiments.
7. The results of your experiments.

Note: the dataset ‘AAAI 14 Accepted Papers’ consists of the titles, authors, topics, keywords and abstracts of all accepted papers in AAAI, 2014.