CS412 Fall 2017 Project (for 4-credit students only)

We have the following tasks to select for students who took 4 credits for this course

1. Survey: Writing a focused, comprehensive survey on a focused topic of data mining, for example, a survey on clustering methods for heterogeneous information networks. Usually a survey paper has more extensive summary of related works than a research paper.

   example conference paper: paper1, paper2

2. Research Project: Working on a research problem related to data mining. It includes both a literature review and proposing/applying new or modified algorithms to the real-world datasets. You are going to report your algorithm and experiment results on real-world datasets.

   example conference paper: paper1, paper2

We recommend you to form a group of 2-3 students, and limit the group size to maximum of 3.

Submission

Both the proposal and report will be submitted on Compass2g.

1. One page proposal. Due date: the end of 4th week.

   Content and for format of the proposal:

   - Title
   - Abstract (What topics are you going to work on? Why do you want to work on that topic? What results are you expected to get?)
   - Reference List (What papers are you going to read to do a comprehensive survey on that topic?)
   - If research project: what datasets are you going to use and how to evaluate?

2. Final report. Similar to a conference paper, usually 10-12 pages in double columns.