8. Project

CS412 Project (for 4-credit students only)

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

1, Survey (recommended): Writing a focused, comprehensive survey on a focused topic of data mining, for example, a survey on clustering methods for heterogeneous information networks. **Proposal deadline Sep 20, 2013.**

2, Data mining competition on Kaggle ([http://www.kaggle.com/](http://www.kaggle.com/)) Choose one data mining competition on Kaggle and apply what you learnt in class on real world problems (with awards if you have a winning solution). The competition you choose should have a deadline no early than Oct 31, 2013 (so you would have enough time to work on it). You have to reach the top 30% on the leaderboard to get the 4th credit. **Proposal deadline Sep 20, 2013.**

3, Research: Working on an open research problem. Need to submit a proposal at the end of the 2nd week, make appointment with TA, and get TA’s permission. **Proposal deadline Sep 6th, 2013.**

Schedule

One page proposal: Submit the proposal at Illinois Compass

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?)

Final report (due at the midnight of the Reading Day): Submit a final report online.