

CMSC5733 Social Computing

Project Specifications

Project grouping deadline: 23:59:59, Oct. 2 (Friday), 2015

Proposal deadline: Oct. 9 (Friday), 2015

Project feedback: Oct. 19 (Monday), 2015

Midterm check: Nov. 9 (Monday, Tentative), 2015

Presentation time: Nov. 30 (Monday), 2015

Final report, presentation file, and source code deadline: Dec 7 (Monday), 2015

Submit to cuhk.cmsc5733@gmail.com with your name and student ID.

Introduction

The course project is to give the students hands-on experience on social computing. The project is open-ended, and you can pick any topic that is related to social computing, which includes social network analysis, graph theory, recommender systems, Q&A, opinion mining, human computation, etc.

Four kinds of deliverable are accepted:

- **Survey**
 - ✧ Read at least 20 relevant papers about your topic and submit a survey report. Your survey should focus on a novel topic, which means it is not be a duplicated work of previous ones.
- **Algorithm comparison**
 - ✧ Implement a series of algorithms (at least 4), analyze and compare their performance on some standard data sets (such as UCI data sets, TREC data sets, etc.).
- **System**
 - ✧ Develop a demonstrable prototype system. You need design and implement a whole system (interface, algorithms, data, visualization, etc.) to present your idea.
- **Theoretical paper**
 - ✧ Propose a novel approach to solve a problem, conduct experiments and write a research paper.

Up to four students form a team to finish the project. Please send your team members' names, student ids, and email addresses to cuhk.cmsc5733@gmail.com with the email title "CMSC grouping" before above mentioned deadline. Tutor would randomly group students if they fail to send group information to the tutor before the deadline.

Grading Criteria

Your project will be graded primarily based on the following weighting scheme:

- ✧ Project proposal and final report : 60%
- ✧ Presentation: 40%

Late submissions within three days will be deducted 30% of the score, late submissions more than three days will get 0 marks on that phase.

The factors to be considered in grading include:

1. the novelty and utility of your deliverables;
2. the relevance to the course;
3. the challenges you have to solve (i.e., technical contributions);
4. the quality of presentation/writing.