EMIS/CSE 8331 - Data Mining

Guidelines for the Main Project

For the final project you have a choice between a data mining project, implementing a data mining method or writing a review paper. The topic of the final project should be coordinated with your tutorial's topic.

Tasks

1. I will set up individual meetings in **Week 3** to discuss the topic. Please come to the meeting already with an idea about the project. Note that this week no regular class meetings are held.
2. A mid-term progress report (1 page) for the project is due in **Week 10**. We will schedule some time to meet individually to talk about the progress.
3. The final project report is due midnight on **April 21**.
4. You need to give a short presentation (20 minutes) of the highlights of your project on **April 22, 27, 29 or May 4.**

Project types

- **Data mining project:** Identify a suitable data set, identify research questions, use and compare different approaches, write a short report (15 pages + tables, figures, etc)
- **Implementation:** Identify an algorithm which you would like to implement. Implement the algorithm (preferable with an interface to a data mining environment (R, WEKA, MOA, etc.). Test/compare your implementation with a very small data set. Write a short report (10 pages + tables, figures, etc.)
- **Review paper:** Identify a sub-area of the topic you choose for your tutorial. Write an extensive review paper where you compare results from different researchers. In this paper it is very important to critically evaluate the achievements in the field and results presented in the literature. The paper should be 30 pages + an extensive bibliography (30+ relevant references).

Grading

Your work will be graded using the following categories:
- Abstract (10%)
- Difficulty of topic (10%)
- Clear definition of problem area (10%)
- Technical detail (40%)
- Results (10%)
- References (10%)
- Presentation style and support (10%)

Distance students

Distance students need to prepare a video presentation (using e.g. CamStudio). The video is due at noon on **April 28.**