CS 796: Data Modeling and Mining
Spring 2003

Information

Class: MW 15:55-17:15
Location: TH 302
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Opt Text: Principles of Data Mining by Hand, Mannila, and Smyth

Course Objectives

- To gain a broad knowledge of how data mining can be used to construct models of data.
- To gain practical experience in the use of data mining through the course project.
- To improve independent research and presentation skills, both written and oral.

Grading

Grading Scale:
A: 90+ **B:** 80-89 **C:** 70-79 **D:** 65-69 **F:** < 65

If you are concerned about your grade contact me as early as possible.

Point Breakdown

Presentations	30%
Discussion	10%
Project	30%
Paper	20%
Class Part.	10%

Attendance

Three or more unexcused absences will "prorate" your grade. Being over 10 minutes late will be counted as half of an absence.

Academic Integrity

The computer science department requires compliance with an examination policy for all tests, including midterms and final exams. A copy of the policy is included with this syllabus. UAH requires students comply with a code of conduct that can be found in the student handbook. You are responsible for being familiar with both policies. If you have any doubt about copyright or plagiarism, contact the instructor. It is too late to discuss it after you have submitted your work.

Presentations

Student presentations will be 30 minutes long followed by a 15 minute discussion period. All students are expected to have read the presented material and be able to participate in discussion.

The discussion grade will be based on students preparing a short written summary of a paper presented by another student. For each student presentation there will be two other students submitting summaries.

Project

The course project will be to implement an algorithm that performs trend analysis. Students may work in small groups of up to three members. Students may choose the algorithm and a data set upon which to develop and test their algorithm.

Paper

The paper will be an empirical evaluation of their algorithm over a range of data sets.

Preliminary Schedule

Week	Topic
1	Course Overview, Research Resources
2-3	Intro Data Modeling/Mining
4-8	Projects/Specific Algorithms
9-10	Statistics/Empirical Methods
11-15	Current Topics