

CS 480/697 Applied Machine Learning

Final Examination Review

Spring 2013

Wei Ding

□ **Schedule**

The examination is close-book and close-note. However, you can prepare a cheat sheet using ONE piece of paper (size 8.50" * 11.00", double side, no less than 11-font size and single line space).

There are **65 minutes** for the Examination.

Class Time	Exam Time
4:00 PM	4:05 PM – 5:10 PM Tuesday May 21
Must be at class room at 4:00 PM sharp	Assume it takes 5 minutes to distribute the examination papers

□ **Preparation Materials**

Lecture notes, in-classes exercise, textbook, homework assignments.

□ **Topics**

1. Everything you have practiced in homework
2. All the questions we have practiced in the class
3. The lectures of
 - Chapter 4 Algorithms: The Basic Methods (Slide 30 – Slide 44) *particularly*
 - Information gain and gain ratio using entropy calculation
 - Association Analysis: Part I (all slides) & Part II (Slide 1 – Slide 35) *particularly*
 - Frequent itemset calculation
 - Maximal frequent itemset calculation
 - Closed frequent itemset calculation
 - FP-tree construction
 - Rule generation from frequent itemsets
 - Properties of a good measure