Jan. 13, 14

CSC X391/X691 - Spring 2014
(Big) Data Management & Analytics *aka* Data Science

Professor: Dr. Stan Thomas
Office: Manchester 228
Phone: 336-758-6095
E-mail: sjt@wfu.edu

Web page: Course documents will be available through Sakai
Office Hours: M,W 10-noon; T,R 11-noon, 2-3pm
Feel free to stop by any time you are in Manchester Hall.

Texts: *Mining of Massive Datasets*, A. Rajaraman, J. Leskovec, J. Ullman
Available at: http://infolab.stanford.edu/~ullman/mmds.html
be sure to grab **version 1.3**

Evaluation:		
	Four "minor" projects	40%
	One "major" project	15%
	Homework exercises	20%
	Mid-term Exam	12%
	Final Exam (2pm, May 6, 2014)	13%

Course Objectives:

- Students will have the ability to describe the landscape of data science concepts, tools, algorithms, and technologies
- Students will gain some hands-on experience in data manipulation, analysis, and prediction
- Students will be "advanced beginners" in a variety of data science topics
- Students will utilize statistics, programming, databases, systems, and visualization tools

Non-goals:

- Graduates will not be experts in statistics
- Graduates will not be experts in data mining
- Graduates will not be experts in machine learning
- Graduates will not be experts in databases

Announcements and other course communications frequently will be made via email. It is your responsibility to check your email regularly.

Please put your cell phone on vibrate prior to the beginning of class and refrain from using your phone during class. You may be singled out during class if you violate this policy.

The overall course grade will be based on the percentage of total weighted points earned shown below:

A	91 % or above	C	71 thru 78.9
A –	90 thru 90.9	C –	70 thru 70.9
B +	89 thru 89.9	D +	69 thru 69.9
B	81 thru 89.9	D	61 thru 68.9
B –	80 thru 80.9	D –	60 thru 60.9
C +	79 thru 79.9	F	below 60 %

Wake Forest University is an academic community that subscribes to an honor system. By accepting membership in this community, each student assumes the obligation to be trustworthy in all pursuits. Violations may be referred to the Judicial Council for investigation and determination of appropriate sanctions.

If you have a disability or other condition that may require an accommodation for taking this course, please contact the Learning Assistance Center (758-5929) within the first two weeks of the semester.

Use of tutors:

Assignments in Computer Science courses may be specified as *pledged work* assignments by the professor of the course. When an assignment is specified as *pledged* work the only aid that the student may seek is from either the course professor or an assistant that the professor has explicitly specified. On *pledged work* assignments the student may not use the services of a tutor.