Course Information:
- Time: Friday 4:00-6:50pm
- Classroom: ERB 130
- Class number: 22146
- Homepage: [http://crystal.uta.edu/~cli/cse6339](http://crystal.uta.edu/~cli/cse6339)

Instructor: Chengkai Li
- Office hours: Friday 2:00-4:00pm
- Office: ERB 628
- Phone: (817) 272-0162
- E-mail: cli[AT]uta[DOT]edu
- Homepage: [http://ranger.uta.edu/~cli](http://ranger.uta.edu/~cli)

TA: Office hours: Friday 2:00-4:00pm
- Office: ERB 628
- Phone: (817) 272-0162
- E-mail:

Course Description: Our society has entered the era of big data. It is estimated that we produce 2.5 exabytes of data every day. The open data movement in governments, organizations and scientific communities have brought a significant portion of the big data to the reach of all Web users, consumers, journalists, scientists, and executives. Users and developers are trying hard to tap into the large amount of data for numerous applications. In this course, we investigate data management and data mining techniques for taming big data and we focus on the research frontiers in three inter-related areas---crowdsourcing, knowledge graphs and computational journalism.

Student Learning Outcomes: A solid understanding of the basic concepts, principles, and techniques of data management and data mining in crowdsourcing, knowledge graphs and computational journalism; an ability to analyze real-world applications, to model data management and data mining problems, and to assess different solutions; an ability to design, implement, and evaluate data management and data mining methods and systems for crowdsourcing, knowledge graphs and computational journalism.

Prerequisites: CSE 3330/5330 Database Systems I or consent of instructor

Grades

There is no homework, exam or quiz.

- Paper Presentation 30%
- Class Participation (attendance and discussion) 20%
- Course Project (presentation, demo, and report) 50%

The final letter grades will be based on the curve of students' performance.

Attendance: Students are required to attend lectures.

Announcements: Stay tuned and make sure to check Blackboard frequently. Important announcements will be posted there.

Assignments and Deadlines

- All the assignments must be submitted through Blackboard. We will NOT take hardcopy or email submission, unless the school verifies that Blackboard was malfunctioning or unavailable.
Everything is due by 11:59pm on the due date. The deadline is automatically managed by Blackboard. You can still turn in assignment after the deadline. However, you automatically lose 5 points per hour after the due time, till you get 0. (Each individual assignment is 100 points.) We cannot waive the penalty, unless there was a case of illness or other substantial impediment beyond your control, with proof in documents from the school.

**Regrading:** Regrading request must be made within 7 days after we post scores on Blackboard. TA will handle regrade requests. If student is not satisfied with the regarding results, you get 7 days to request again. The instructor will regrade, and the decision is final.

**Drop Policy:** Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. Students will not be automatically dropped for non-attendance. Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships ([http://wweb.uta.edu/ses/fao](http://wweb.uta.edu/ses/fao)).

**Americans with Disabilities Act:** The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the Americans with Disabilities Act (ADA). All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability) or by calling the Office for Students with Disabilities at (817) 272-3364.

**Academic Integrity:** All students enrolled in this course are expected to adhere to the UT Arlington Honor Code:

> I pledge, on my honor, to uphold UT Arlington’s tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

> I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

Instructors may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System Regents’ Rule 50101, §2.2, suspected violations of university’s standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student’s suspension or expulsion from the University.

**Student Support Services:** UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to [resources@uta.edu](mailto:resources@uta.edu), or view the information at [www.uta.edu/resources](http://www.uta.edu/resources).

**Electronic Communication:** UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are
responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at http://www.uta.edu/oit/cs/email/mavmail.php.

**Student Feedback Survey:** At the end of each term, students enrolled in classes categorized as lecture, seminar, or laboratory shall be directed to complete a Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student’s feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit http://www.uta.edu/sfs.

**Final Review Week:** A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabus. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

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**Schedule**

As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. -- Chengkai Li

You are required to read the material before class. That's crucial because the lectures will emphasize discussion.

University calendar: Spring 2014

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**Where to find papers:**

- Google
- Google Scholar
- CiteSeer
- DBLP Bibliography
- ACM Digital Library
- IEEE Xplore
- Other Computer Science articles