STT 200: Statistical Methods
Spring 2014, Lecture 6

Instructor: Tomasz Luks     Email: tluks@stt.msu.edu
Office: C444 Wells Hall     Phone: (517) 353-7201

Class Schedule: Mon/Wed/Fri 12:40-1:30 pm in 208 IM West

Office Hours: Mon/Wed 2:30-4:00 pm, Tue 2:00-3:00 pm and by appointment

Website: https://angel.msu.edu/ [you can download syllabus, lecture notes and other class material from this site]


Prerequisite: Math 103 or designated score on mathematics placement test.

Calculators: The students are required to have a calculator with the capability to compute summary statistics for one or two variables (mean, standard deviation, correlation coefficient etc.). The recommended calculators include: TI-83 series and TI-84 series. They have such features as probability distributions, confidence intervals, and hypotheses tests. I will spend time showing how to use the calculators in class by using TI-84.

Help Room: You can get help with course material by going to Statistics Help Room C100 Wells Hall. The help room hours can be found at the website: https://www.stt.msu.edu/Academics/helproom.aspx

Recitations and Teaching Assistants: Recitations will be used for teaching, problem solving, and returning exam papers. They will be directed by teaching assistants. The following are the names, email addresses and office hours of the teaching assistants for sections 27-30. If you have any questions, please first write to your TA.

Sections 27 and 30: Michael Bowerman, bowerm31@stt.msu.edu
Office hours: Tue 3:00-4:00 pm in C511 Wells Hall

Sections 28 and 29: Edward Cruz, cruzedwa@stt.msu.edu
Office hours: Tue 3:00-5:00 pm in C505 Wells Hall

Course Description: STT 200 is an introduction to the concepts and methods of basic statistics and probability for students without a background in calculus. It will cover three aspects: 1) Descriptive Statistics; 2) Basic Probability and 3) Basic Statistical Inference. Students will learn the most practical and commonly encountered statistical concepts and methods, the basic theory behind statistical decision making, as well as how to implement statistical techniques for various applications. This course is demanding and requires a great deal of work. Students are responsible for all material covered in class.
Students are expected to attend all meetings of the class and to bring their text and a calculator.

**Homework:** Homework will be assigned on the LON-CAPA system. The due dates will be determined later. No late homework assignments will be accepted. I will also assign suggested exercises from the textbook. It is highly recommended to work on them. However, these exercises will not be collected.

**Quizzes:** There will be six 15-minute-quizzes given during the semester. There will be no make up quizzes. The lowest quiz score will be dropped. The quizzes will be given on the following Wednesdays:

January 22, February 5, February 26, March 19, April 9, April 23

**Midterm Exams:** There will be two midterm exams during the term. The tentative exam dates are February 12 and March 26.

**Final Exam:** There will be a comprehensive final exam at the end of the semester. The final exam is scheduled for **Tuesday, April 29, from 3:00-5:00 pm.**

**Grading:** The final grade is determined from homework assignments, 2 midterms and the final exam. The relative weighting is: Midterm Exams, 20% each; Final Exam, 30%; Homework 15%; Quizzes 15%.

**Grading Scale:**

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<thead>
<tr>
<th>Percentage (%)</th>
<th>90–100</th>
<th>85–89.9</th>
<th>75–84.9</th>
<th>70–74.9</th>
<th>65–69.9</th>
<th>55–64.9</th>
<th>50–54.9</th>
<th>49.9 ↓</th>
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<tbody>
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<td>Grade</td>
<td>4.0</td>
<td>3.5</td>
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**Important Dates:**

- January 6 First day of classes; late enrollment fee begins
- January 14 Close of add period
- January 20 Martin Luther King Day (No Classes)
- February 6 End of tuition refund
- February 26 Middle of the Semester; last day to drop with no grade
- March 3–7 Spring Break
- April 26 Last day of classes
- April 29 Final Exam from 3:00-5:00 pm
Exam Polices:

- Bring a picture ID to all examinations.
- Cell phones are to be turned off and stored where they cannot be seen.
- Do not request make up exams unless it is absolutely necessary and you can substantiate your reason for the request. In this case, please notify me prior to the test date.

ATTENDANCE: You are expected to attend all meetings (recitations/lectures) of the class. If you miss a class for whatever reason, you are responsible for all materials, assignments and deadlines missed. While office hours provide an opportunity for further clarification of materials covered in class, they will not substitute for classes.

Academic Honesty: The Department of Statistics and Probability adheres to the policies of academic honesty as specified in the General Student Regulations 1.0, Protection of Scholarships and Grades, and in the All-University of Integrity of scholarship and Grades which are included in Spartan Life: Student Handbook and Resource Guide. Students who plagiarize will receive a grade 0.0 on the homework, exam or quiz.

ADA: To arrange for accommodation a student should contact the Resource Center for People with Disabilities at http://www.rcpd.msu.edu/ or (517)353-9642

Advice for Students: DON’T FALL BEHIND!! This class moves at a rapid pace.

- Come to class and recitation prepared.
  - Read the chapter before lecture.
  - Reread the chapter after lecture to see if you have follow up questions.
  - Do the suggested exercises before recitation and come prepared with questions.
- Form a study group.
- Learn how to use your calculator.
- Keep a notebook of vocabulary.
- Keep a list of reference examples.
- Get help if you need it- from me, your TA, and teaching assistants of the Statistics Help Room.

Disclaimer: The instructor reserves the right to make any changes he considers academically advisable. Changes will be announced in class. It is your responsibility to keep up with any changed policies.