

STATISTICS 201

Fall 2004

Instructor: Dr. Halima Bensmail
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Section 85355 MWF 10:10 am-11:00 am. G 135

Required Student Materials:

- The Practice of Business Statistics, Using Data for Decisions
- Calculator: With regression capabilities
- Access to JMP Statistical Software – Available in UTK Glocker Computer Lab
- Note course available at Graphic design office

Material to be Covered:

Chapter One – Examining Distributions
Chapter Two – Examining Relationships
Chapter Three, Section 1 – Designing Samples
Chapter Four, Section 4 – Sampling Distributions
Chapter Five, Section 2 – The Binomial Distribution
Chapter Six – Inference for Distributions
Chapter Seven, Sections 1 and 2 – Inference for Distributions
Chapter Eight – Inference for Proportions
Chapter Nine – Inference for Two-way tables
Chapter Ten – Inference for Regression
Chapter Twelve – Statistics for Quality

Office Hours: 3:00pm-4:00pm MW, or by appointment. Statlab hours (G 222): Open on Monday August 23

TA student: TBA

Textbook: Selections from “ THE PRACTICE OF BUSINESS STATISTICS Using Data for Decision” by David Moore, George P. McCabe, William M. Duckworth and Stanley L. Sclove.

Notes: Workbook should be bought with the book and brought to class

Prerequisite: Math 123 and 125 or 141 or Math 151 and Math152 (To avoid being dropped, students should bring copies of their transcripts no later than by 08/25/04)

Course Description: This course is designed to introduce the student to the basic ideas of statistics and their application in an increasingly complex and data-driven world. The student will learn how to use JMP to answer real-world questions through statistics.

Course evaluation: The date of the quizzes will not be announced.
There are 8 quizzes
One quiz will be dropped (missed or lower grade)

There will be three tests

Test 1: TBA

Test 2: TBA

Test 3: TBA

Project: In order to assist in the comprehension of statistical methodologies and theory, each student will be required to complete a project utilizing real data. The emphasis in this project will be on the valid selection and implementation of techniques for statistical analysis and the interpretation of the results. Calculation by hand will be neither required nor permitted on these projects. The expectation is that the student will use the JMP statistical software discussed in class to complete their project. A project will be required.

First Part is due: TBA

Second Part is due: TBA

Third Part is due: TBA

Grade:

Quizzes	10 points	10%
Test (1)	100 points	15%
Test (2)	100 points	20%
Test (3)	100 points	20%
Final exam	100 points	20%
Project	100 points	15%

Homework **Homework is Extra Credit**

There will be no curve. The final grade will be assigned as follows: A (> 90), B+(85-90), B (80-84), C+ (75-80), C (70-74), D (60-70), F (< 60)

Other issues:

Attendance: **Required**, but no roll will be taken. If, due to any reason you miss a class, you are responsible for the material covered. Lectures will not be repeated either at my office or the statlab (G 222)

- Homework: Questions about these assignments can be addressed in the Statlab or during the instructor's office hours.
- Quizzes: There will be no make-ups for any reason.
- Make-up test: There will be a make-up comprehensive exam. The grade on this test will replace the grade of one missed test for which you have previously received an approved excuse from the instructor (If you have missed more than one exam you will probably have to take an incomplete).
- Formula sheets: For each of the first three tests you will be allowed to use an 8.5 by 11 formula sheet. For the final exam two sheets will be allowed. No sheets will be permitted to solve the quizzes.
- Grade disputes: If you are not satisfied with a grade in one of the quizzes or exams, the procedure is the following:
- a) Check the solution key in the statlab and make sure your claim is valid.
 - b) Talk to the TA and try to settle your dispute.
 - c) If the TA is not able to resolve the problem talk to the instructor.
- Help sessions: The day before each test there will be a help session conducted by the TA. The objective is to clarify doubts and answer questions. **The TA will not prepare a lecture. If there are no questions the session will be terminated.** The times and places for these sessions will be announced at the appropriate date.