

IDS270--Business Statistics I

Spring 2008

Instructor: Jian Su

Class Time and Room: MWF, 1:30pm-2:45pm, 202 2LH

Office Hours: M, W 3:00pm-4:00pm, or by appointment, UH2329

Email: jsu2@uic.edu

Phone number: 312-996-0773

Course website: <http://blackboard.uic.edu/>

Required text: The Practice of Business Statistics Using Data for Decisions (PBS) by Moore, McCabe, Duckworth and Sclove, 2003.

Text website: www.whfreeman.com/pbs.

Statistical software: Microsoft Excel, with appropriate Add-Ins.

Prerequisites: Math 160, IDS 100 and all other IDS & University requirements.

Course description: Introduction to basic concepts and techniques in business statistics such as data displaying and description, linear regression, sampling, experiment design, basic probability theory, basic statistical inference, and so on.

Topics: See attached tentative schedule.

Evaluation:

Homework	10%
Quiz	15%
Midterm Exam	35%
Final Exam	40%

Some Ground Rules

1. Honor Code: The Honor Code of the University of Illinois at Chicago (UIC) College of Business Administration is available at <http://www.uic.edu/cba/Faculty/academicaffairs/honorcode.html>.

All students are expected to respect and uphold this code.

2. Homework: Homework will be assigned and collected on a regular basis. The solutions will be posted online after the due date. Discussion between classmates is encouraged; however students should finish the homework assignments independently. Late homework will only be accepted in the class following the due date of the homework and with a 20% penalty. Homework submitted by email is NOT accepted.

3. Quizzes: There will be one quiz for each chapter. The schedule of quiz will be announced in class. Quiz questions will be based on homework. The one quiz with the lowest grade will be dropped when calculating your final grade. Hence there will NOT be make-up for quizzes.

4. Exams: Make up exams will not ordinarily be given. If you know you are going to miss an exam for University accepted reason, discuss it with me and you can take the exam early. If you miss an exam due to a medical emergency, you must notify me before the exam.

5. Grading: In your homework, quiz and exam, when appropriate, you must show a reasonable amount of work to get credit for each homework problem. **Answers without supporting work will receive NO credit.** This also means that in case your final answer is wrong, you will still receive partial credit for the correct work. If you have question about the grading of your homework, quiz or exam, you should bring it back to me within two weeks since the day the material is returned to the class, otherwise it will NOT be accepted for re-grading.

6. Course Website: The course website contains important information about this course such as assignments and their due dates, quiz and exam dates, course materials and your grades. You are responsible for checking the website on a regular basis, especially when you have to miss a class.

7. Attendance: You are responsible for all the material that is covered in class. Attendance at all lectures is highly recommended.

Tentative Schedule:

Week	Dates	Reading	Topics
1	1/14,16,18	Chapter 1	Examining Distributions
2	1/23,25	Chapter 1	Examining Distributions
3	1/28,30, 2/1	Chapter 2	Examining Relationships
4	2/4,6,8	Chapter 2	Linear Regression
5	2/11,13,15	Chapter 3	Producing Data
6	2/18,20,22	Chapter 3	Producing Data
7	2/25,27,29	Chapter 4	Probability and Sampling Distribution
8	3/3,5,7	Chapter 4	Probability and Sampling Distribution & Mid-term Review
9	3/10,12,14	Chapter 6	Mid-term(3/12), Introduction to Inference
10	3/17,19,21	Chapter 6	Introduction to Inference
11	Spring break		No classes.
12	3/31, 4/2,4	Chapter 7	Inference for Distribution,
13	4/7,9,11	Chapter 7	Inference for Distribution
14	4/14,16,18	Chapter 8	Inference for Proportions
15	4/21,23,25	Chapter 8	Inference for Proportions
16	4/28,30, 5/2	Chapter 9	Inference for Two-way Tables