

AL 169 - Statistical Methods - Spring 2012

Concordia University Wisconsin - Beloit Center



Catalog Description:

AL 169 Statistical Methods studies the terminology, methodology, and body of knowledge in statistics. Topics such as means, median, variation, probabilities, correlation and regression will be covered in this module. Prerequisite: AL 122 or AL 096 or acceptable test score. 3 credits, 6 weeks.

Course Objective:

The goal of this course is to introduce the student to some of the analytical techniques used in business statistics. The emphasis of the course will be on applying the concepts; to that end we will spend more time on interpreting statistics than on calculating statistics. We will spend time exploring how statistics is used in business by using real data, have a computer calculate the relevant statistics, and then making decisions based on those statistics.

Important Dates/Times:

Class meets Thursday, 1/5 through 2/9 from 6:00-10:00pm

Assessment Methods:

Grade scale 90/80/70/60 – 100 points total

1. Five quizzes 75 points (15 points each) – no late quiz accepted
2. Final Exam 25 points – no late exam accepted
3. Homework/ project work/ research will not be graded, but it is expected to be completed
4. Class participation (attendance) – no more than 4 hours may be missed without a grade of 'F'

Note: University policy on cheating and plagiarism will be adhered to.

Honor Pledge: *“As I develop in mind, body, and spirit, I pledge on my honor that I have not given, received, witnessed, nor have knowledge of unauthorized aid on this or any [assignment, quiz, paper, test]”*

This pledge must be written on every assignment, using handwriting when possible. Any work submitted without the above pledge will be returned to the student and will not be graded until the student resubmits the work with the pledge.

Text and Supplies:

Required:

1. Lind, Douglas A., William G. Marchal, and Samuel A. Wathan. Business Statistics for Business & Economics, 5th ed. Boston: McGraw-Hill Irwin. 2006. ISBN 0-07-298396-5
2. Access to Microsoft Excel
3. MegaStat software (version 10.2)

Recommended: Scientific calculator - Texas Instruments TI-83 or similar

Class Layout:

Homework assignment – Q/A – Exam – Lecture – Exercise

Instructor:

Jim Akers Home: 815-877-1636 jnakers@hotmail.com (6-10pm M-F, 9am-10pm S-Su)
Work: 815-639-6454 jakers@woodward.com (8am-5pm M-F)
Website: <http://jimakers.com>

Office Hours:

By appointment and before/after class.

Prior to first class:

This course will be taught using Microsoft Excel. You need to have access to Microsoft Excel to complete the homework and the quizzes. On the cd-rom that is packaged with the textbook, is a Microsoft Excel add-in program called MegaStat.

Megastat will need to be installed prior to week 1. Instead of the version on the cd-rom, I recommend you download the latest version of MegaStat, which is 10.2. You can download the latest version at http://highered.mcgraw-hill.com/sites/0070000237/student_view0/megastat_tutorials.html

The cd-rom also contains numerous study aids, including practice quizzes, power point slides, instructional videos, and data sets that we will use throughout the course. Spend some time reviewing this material along with familiarizing yourself with the textbook.

Statement on Disabilities:

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990 prohibit discrimination against individuals with disabilities. If you are a student with a documented disability and need accommodations for this class, please provide the instructor with the appropriate letter from The Director of the Learning Resource Center at the Mequon campus. Contact the Director by calling 262 243 2623.

Disclaimer:

Circumstances may require some changes to this syllabus.