STATISTICAL METHODS I
SMTH 315 - 001 Fall 2006
11:00 - 11:50 MWF HC 265

Instructor: Bernard Omolo
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Course homepage: http://faculty.uscupstate.edu/bomolo/Fall2006.html.
Office hours: 8:00 - 10:00 MWF or by appointment
Text: A First Course in Statistical Methods by Ott / Longnecker.

Objectives
The primary objectives of the course are:
  • to learn how to summarize data.
  • to learn how to make inferences from data.
  • to develop an understanding of several statistical techniques and knowledge as to when and how to apply them in achieving the above.
  • to develop an awareness of the power and capability of statistical software to aid in performing statistical analyses.

Material to be covered includes
  • fundamental statistical concepts.
  • describing data (Chapter 3 - 4).
  • inferences about parameters (Chapter 5 - 8).
  • categorical data analysis (Chapter 10).
  • simple linear regression (Chapter 11).
  • Prerequisites: SMTH 102/143 or SECO 291, or SSOC 201, or SPSY 225, or consent of instructor.

Software
SAS will be used as the standard course software. If you are new to SAS, it may be worthwhile checking out the text Learning SAS in the Computer Lab by Rebecca Elliott (2nd ed.). SAS Learning Edition software is available at www.sas.com at an annual license fee for personal use. However, knowledge of SAS will not be required in order to take the course.
Expectations

• You are required to review material before and after class.

• Regular attendance and classroom etiquette must be observed as per university policy. You will be responsible for all missed work. Make-up work will be given only with prior notification and/or a documented excuse. Otherwise after one class day a score of zero will be entered for a missed work. No quiz/homework or test grades will be dropped. However, the Final Exam grade will replace the lowest test grade.

• Dates for the class tests (in-class, closed notes/book) will be announced in due course. Every Friday there will be a quiz or homework assignment.

• Class participation is expected and may earn extra credit.

Critical Dates
Aug 24-28: Add/drop period
Sept 4: Labor Day (no class)
Oct 20: Fall break (no class)
Nov 22-24: Thanksgiving break (no classes)
Dec 13: Final Exam (cumulative) 11:30 - 2:30 p.m
Test I (Ch 3-4)
Test II (Ch 5-8)
Test III (Ch 11)

Grading Policy
Quizzes/Homework: 50%
Tests(3): 30%
Final Exam: 20%

Grading Scale
90-100: A;
87-89: B+; 83-86: B; 80-82: B-;
77-79: C+; 73-76: C; 70-72: C-;
67-69: D+; 63-66: D; 60-62: D-;
00-59: F.

Accommodation
Any student who, because of a disabling condition, may require special
arrangements in order to meet course requirements should contact the instructor as soon as possible to make necessary accommodations.

**Note:** This is a tentative syllabus and is subject to change at the discretion of the instructor!