STAT 450/870
Fall 2015

Instructor

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Textbooks

Required:

Kutner, M., Nachtsheim, C., and Neter, J. (2004). Applied Linear Regression Models (4th edition). McGraw-Hill/Irwin: New York. (student solutions manual is on CD with the book)

Recommended:

Fox, J. and Weisberg, H. (2010). An R Companion to Applied Regression (2nd edition). Sage Publications, Inc.: Thousand Oaks, CA.

Prerequisites

STAT 450: STAT 380, matrix algebra

STAT 870: STAT 801, STAT 802

Grades

Grades will be based upon the following:

	Test #1	Test #2	Final Exam	Projects, Quizzes, etc...
% of grade	25%	25%	20%	30%

Grading Scale for STAT 450:

A	B	C	D	F
$\geq$87.5% and $\leq$100%	$\geq$77.5% and <87.5%	$\geq$67.5% and <77.5%	$\geq$57.5% and <67.5%	<57.5%

Grading Scale for STAT 870:

A	B	C	D	F
$\geq$90% and $\leq$100%	$\geq$80% and <90%	$\geq$70% and <80%	$\geq$60% and <70%	<60%

+ and – letter grades are 2.5% from the above cut off points. For example, A⁻ is 90-92.5% and B⁺ is 87.5-90% for STAT 870 students.

You are required to turn in all projects electronically, and all projects need to be completed in Word documents. A project completed in an unreadable or unprofessional manner will be returned to the student. The project may be redone and turned in again; however, points will be deducted from the grade. No late projects, quizzes, etc. will be accepted.

I recommend completing the projects in groups. If you work in a group, all group members are expected to participate equally and have a complete understanding of all components for it. I will lower a student's project grade if he/she does not abide by this group work policy.

Statistical software

The statistical computing software package R will be used extensively to perform calculations in this class. R is available for free from http://www.r-project.org. The specific link to download the Windows version is http://cran.r-project.org/bin/windows/base.

Class recordings

All classes will be recorded during the semester. These recordings will be posted to the Internet for students in this course and others not enrolled in this course to use for educational purposes. Please do not abuse the availability of these recordings by not coming to class! I recommend using the recordings as a way to review and as a back-up if extenuating circumstances prevent you from attending class.

Final exam

The final exam is scheduled for 10:00AM to 12:00PM on Monday, December 14. All students must take the exam on this day and time.

Expectations of students

Students are expected in this class to

1. Understand all the material in the course lecture notes
2. Understand all R code and calculations
3. Reproduce all parts of the examples in the course lecture notes
4. Review the class recordings
5. Complete all problems in old projects and tests
6. Complete the homework
7. Ask questions when something is not clear

Additional statements

Please see the online syllabus supplement for additional statements that are required to be part of all syllabi at UNL.