

STAT 875
Categorical Data Analysis
Spring 2015

Instructor

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Textbooks

Bilder, C. and Loughin, T. (2014). *Analysis of Categorical Data with R*. CRC Press.

Supplementary:

Agresti, A. (2013). *Categorical Data Analysis*, 3rd edition. Wiley.
Venables, W., Smith, D, and the R Development Core Team (2013). *An Introduction to R*. PDF version comes with R (Select HELP > MANUALS > AN INTRODUCTION TO R).

Prerequisites

STAT 801: Statistical Methods in Research
STAT 870: Multiple Regression Analysis (strongly recommended)

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:

A	B	C	D	F
≥90% and ≤100%	≥80% and <90%	≥70% and <80%	≥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%.

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 3:30PM to 5:30PM on Tuesday, May 5.

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 the homework
6. 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.