STA665: Analysis of Categorical Data
Spring 2013

Instructor

Dr. Simon Bonner

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Office hours: Monday 3:00-5:00

Lectures

Times: MWF 11:00-11:50
Place: MDS 337

Material

The text for this course is:

Agrest, A. (2012) "Categorical Data Analysis" 3rd edition. Wiley.

The course will focus on methods for analysing contingency tables and for fitting generalized linear models with categorical responses – specifically logistic regression and log-linear models. We will cover material in the following chapters of the text:

- 1. Introduction: Distributions and Inference for Categorical Data
- 2. Describing Contingency Tables
- 3. Inference for Two-Way Contingency Tables
- 4. Introduction to Generalized Linear Models
- 5. Logistic Regression
- 6. Building, Checking, and Applying Logistic Regression Models
- 8. Models for Multinomial Responses
- 9. Log-linear Models for Contingency Tables

We will not discuss all of the material in these chapters and will try to be clear about the sections I do cover. Further material may be included if time allows.

Assessment

Your progress and performance in the course will be assessed through regular assignments and three tests during the semester. Final percentages will be computed from the following breakdown:

Assignments	10%
Test 1 – March 1	30%
Test 2 – March 29	30%
Test 3 – April 19	30%

Late work will be accepted and make-up tests provided only with an official university excuse. Please see the UK policy on Student Rights and Responsibilities, Part II, Section 5.2.4.2 (http://www.uky.edu/StudentAffairs/Code/part2.html) for details on official excuses.

Course Policies

Academic accommodations:

Please see is as soon as possible if you have a documented disability that requires academic accommodations. In order to receive accommodations in this course, you must provide is with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 257-2754, jkarnes@uky.edu) for coordination of campus disability services available to students. We can then work together to find the best solutions for you.

Attendance:

Your attendance in class will not be checked but regular attendance is the best way to learn the material. You are responsible for all material covered during the class. If you know that you will be away ahead of time then stop by our office hours and we will do the best we can to accommodate your absence.

Academic integrity:

Academic dishonesty of any form will not be tolerated. Minor forms of dishonesty will result in a score of zero for that component of the course work. More serious forms of dishonesty will be reported to the university. Further information on plagiarism, how to avoid plagiarism, and the university's academic offense policy are available from the web-site of the Office of Academic Ombud Services (http://www.uky.edu/Ombud).

Classroom behaviour:

Our role is not to deliver knowledge to you, but to guide you through the learning process. The course will require participation from every student, and we expect you to come to class willing to participate by completing exercises to the best of your ability and by engaging in class discussions. We will work to maintain an open and respectful atmosphere in the classroom and expect you to do the same. This includes providing others with the opportunity to ask questions and express opinions. Please turn off all mobile devices before class so that they will not interrupt us or other students.