

# STAT 1211/2210 – Applied Categorical Data Analysis

*Fall 2012*

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## Instructor

|            | Office  | Email           | Office Hours                  |
|------------|---------|-----------------|-------------------------------|
| Kehui Chen | CL 2706 | khchen@pitt.edu | T, Th 11-12 or by appointment |

## Grader

|           |         |                |                          |
|-----------|---------|----------------|--------------------------|
| Yun Zhang | CL 2600 | yuz52@pitt.edu | M 1:30-2:30, W 2:00-3:00 |
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|---------------------------|---|-------------------|
| <b>Lecture</b>            | T, Th 2:30 PM – 3:45 PM   | Lawrence Hall 106 |
| <b>Required Text</b>      | <i>An Introduction to Categorical Data Analysis</i> (2 <sup>nd</sup> Edition)<br>Agresti, Alan, John Wiley & Sons, Inc., New York |                   |
| <b>Supplementary Text</b> | <i>Categorical Data Analysis</i> (2 <sup>nd</sup> Edition)<br>Agresti, Alan, John Wiley & Sons, Inc., New York                    |                   |
| <b>Web Site</b>           | <a href="https://sites.google.com/site/stafall2012/">https://sites.google.com/site/stafall2012/</a>                               |                   |

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This is an introductory course in categorical response data. Topics covered will be 2- and 3-contingency tables, logistic regression and loglinear regression. Software used will be SAS. The prerequisite is an introductory course in applied statistics. The most important topics which students should have obtained in such a course are introduction to random variables and linear regression. STAT 1000 (and to a lesser extent STAT 0200) fulfills all these requirements.

If you want to install MINITAB and SAS on your own computer, check out  
<http://technology.pitt.edu/software.html>

**Homework.** Homework assignments will be posted on Thursday on the course website, and will be collected in class one week later (Electronic submissions will not be accepted. If for any reason, you can not come to the class, please give them to me in CL 2706 before the class.) Homework assignments that are turned in late will not be graded, regardless of the reason they are late!

**Tests.** All tests including the final are closed book and closed notes. Basic calculators (not fancy ones) are allowed and a “cheat sheet” of formula and other information will be provided. The test dates are given on the last page of the syllabus. Sufficiently ahead of each test I will inform you of the exact material that it will cover. Each in-semester test covers only that material presented since the previous exam (about five weeks of material), while the final is cumulative.

**In-Semester Test Policy.** If you cannot take a test at its scheduled time, please let me know **at least one week beforehand** and we can attempt to come to a scheduling accommodation. If you miss a test, it cannot be made up.

**Final Policy.** If you cannot take the final at its scheduled time, please let me know **at least one week before the test** and we can attempt to come to a scheduling accommodation. If you miss the final, you will receive a zero for it, though if you present a **fully documented excuse** you may receive both an incomplete for the course and a future opportunity to make up the final. Please do not schedule travel before the end of finals!

**Disability Resources.** If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and Disability Resources and Services, 216 William Pitt Union, (412) 648-7890 or (412) 383-7355 (TTY), as early as possible in the term. DRS will verify your disability and determine reasonable accommodations for this course.

**Final Grade.** Your final grade will be based on a curve. The characteristics of the curve (i.e., what grade is assigned to the class average score, etc.) depends on how the class does as a whole and will be determined at the end of the semester.

**Grading**

|          |     |
|----------|-----|
| TEST #1  | 15% |
| TEST #2  | 15% |
| FINAL    | 40% |
| HOMEWORK | 30% |

**Important Dates**

| Week | Date          | What's Happening                |
|------|---------------|---------------------------------|
| 6    | 4 Oct (Thur)  | <b>Test #1</b>                  |
| 7    | 9 Oct (Tue)   | No Class: Monday class schedule |
| 13   | 20 Nov (Tue)  | <b>Test #2</b>                  |
| 13   | 22 Nov (Thur) | No Class: Thanksgiving          |
| 16   | 13 Dec (Thur) | <b>Final Exam</b>               |