

Fall 2013 Stat 434/534: **Categorical Data Analysis**

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**Time and Location:** 2:00pm-3:15pm TR, SMLC 352

**Office hours:** SMLC 316, Tuesday and Thursday 9:50am-10:50am or by appointment

**Textbook:** Log-Linear Models and Logistic Regression, by Ronald Christensen, 2nd edition

**Prerequisites:** Stat 345 and Stat 427/527 Advanced Analysis 1

**Topics:** In this class, we will analyze models designed to predict categorical responses. We will discuss two way contingency table and higher dimensional tables, logistic regression (the prediction of a dichotomous response from covariates), loglinear models and generalized linear models. This will essentially Chapter 1 to Chapter 9 of the textbook.

**Computing**

R will be used in this class, R package can be downloaded from website for free <http://www.r-project.org>

**Grading:** Homework Assignments will be given about every 2 weeks to make for about a total of 7-8 assignments. They will be collected and graded. Homework 30%, Midterm Exam 30% and Final Exam (Tuesday Dec 10, 1:00pm-3:00pm), 40%. Final exam will cover materials after midterm. Grading for graduate students and undergraduates will be separate.

	Stat 534	Stat 434
A	90%-100%	85%-100%
B	80%-89%	70%-84%
C	65%-79%	60%-69%
D	under 64%	under 60%