Course Syllabus for STA 4210 Regression Analysis   Fall 2010, Section 9631

Class: MWF in Weimer Hall room 1064
Time: 2nd Period, 8:30-9:20AM
Course Website: http://www.stat.ufl.edu/∼rrandles/sta4210/index.html

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The objectives of this course are to investigate the purposes, methods and applications of regression. Emphasis is on what to apply and why it works. This course includes a chapter devoted to regression on time series data and forecasting based on the fitted model. Our goal is to make students functional in the use of the important scientific tool of regression. Computer work in this class uses procedures written in the R programming language.

Textbook: "Applied Linear Models" 5th Edition, by M. Kutner, C. Nachtsheim, J. Neter and W. Li (2005) McGraw-Hill.

Course Structure: The course will cover chapters 1-12 in the text and selected topics from chapters 13-14. Daily assignments will be given at the beginning of class and posted on the class website. These will include reading, homework exercises and focal points for that day's lecture.

Quizzes and Exams: Quizzes will be announced, frequent and short. They measure mastery of focal questions. The lowest 2 quiz scores will be dropped and the percent received out of the remaining will be applied to 40 points. There are NO MAKEUP QUIZZES for any reason. The final exam will be comprehensive. Coverage lists will be issued for all exams.

Homework: Homework exercises will be assigned in daily assignments. Selected problems will be collected and graded periodically during the term. The percent of homework points (+10% forgivness) achieved will be applied to 40 points for the homework grade. Homework is due during the class period on the days it is to be collected. NO LATE HOMEWORK will be accepted for any reason.

Project: The project will be conducted by two (or three) person teams. Students will collect their own data and analyze it using regression. A one page (or less) project proposal is due on Monday, November 1. The completed project is due Monday, November 22. Each team member must participate in every aspect (data collection, data analysis, written report) of the project. Projects will be graded, but not returned.

Grading:

Exam 1 (Oct 01, tentative)	100 points
Exam 2 (Nov 05, tentative)	100 points
Final Exam (Thursday, Dec 16, 12:30-2:30PM)	100 points
Homework	40 points
Quizzes	40 points
Project (due Nov 22)	20 points
	400 points

Grading Scale:

Grade boundaries will be no higher than,

A$= 400 - 370$	A$- = 369 - 360$	B$+ = 359 - 350$	B$= 349 - 330$	B$- = 329 - 320$
C$+ = 319 - 300$	C$= 299 - 280$	C$- = 279 - 270$	D$= 269 - 235$	E$= 234 - 0$

ABOUT THE DEPARTMENT OF STATISTICS:
The Department of Statistics at the University of Florida is one of the nation's leading statistics departments. The Department awards approximately 15 Bachelors degrees, 14 Masters degrees, and 8 Ph.D. degrees per year. The Statistics Department, chaired by Professor Michael Daniels, has a faculty of 20 members whose research interests include both theoretical and applied statistics. We welcome inquiries about our programs. The Statistics Department's main office is 102 Griffin-Floyd Hall (telephone 392-1941). You are welcome to visit the Department's website at http://www.stat.ufl.edu.