

STA 6127 Statistical Methods in Social Research II Spring 2012

Prerequisite STA 6126

Meets MWF at 12:50 – 1:40 in FLO 100

Instructor:

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Office Hours: TBA and by appointment

Course Objectives: Further topics in multiple regression, model building, analysis of variance, analysis of covariance, multivariate analysis of categorical data.

Textbook: Agresti & Finlay *Statistical Methods for the Social Sciences 4th Ed.* Prentice-Hall

Other Materials: A calculator for calculating sample mean, sample standard deviation and correlation coefficient. Datasets, assignments, etc. will be available on class website.

Exams & Grading:

Exams: There will be 3 **multiple-choice tests, in class**, on the following dates:

- Test – 1 on Friday, 2/24/2012
- Test – 2 on Friday, 3/30/2012
- Test – 3 on Wednesday, 4/25/2012
- There will be no final examination.

Projects: **Two projects** will be announced as we make more progress. No late project will be accepted. No makeup will be given for projects.

Grading: Grades will be based on the best two of the three exams (45% each) [provided that the student takes all three exams] and two projects (5% each). Total points will be rounded up.

A:	90 – 100 %	
B+:	85 – 89 %,	B: 80 – 84 %,
C+:	75 – 79 %,	C: 65 – 74 %,
D:	60 – 64%,	E: 59 and lower.
D+	Not given as department policy.	

No minus grades (like B- or C-) will be given. To see the effect of the + and – grades on your GPA look at the following link: <http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html>.

Makeup Exams: Any exams that will be missed must be confirmed and documented as soon as possible, **before** the time of the exam. Makeup exams will be decided on each case and may not be given.

Computing:

You will need a computer and access to statistical software for homework assignments. Examples will make use of SPSS and/or Minitab, but you may use any program you choose for solving problems and projects. Datasets will be posted on web in ASCII format and can be easily imported into any program.

University Policies:

Academic Dishonesty: All members of the University Community share the responsibility to challenge and make known acts of apparent academic dishonesty. Acts of academic dishonesty will not be tolerated and will be referred to the Student Honor Council.

Academic Accommodations: If you have a documented disability and wish to discuss academic accommodations with me, please contact me as soon as possible.

Tentative schedule:

Week	Dates	Subjects	Sections
1	1/9 – 1/13	Review of Chapters 1 -10	1.1 – 10.5
2	1/18 – 1/20	Multiple Regression Model, R^2	11.1 – 11.3
3	1/23 – 1/27	Inference for MLR coefficients	11.4
4	1/30 – 2/3	Interaction between predictors	11.5
5	2/6 – 2/10	Comparing Regression Models	11.6
6	2/13 – 2/17	Partial Correlation coefficient	11.7
7	2/24	TEST 1	Chapter 11
8	2/27 – 3/2	Comparing several means	12.1 – 12.3
9	3/3 – 3/11	<i>Spring Break (No classes) Please Drive Safely</i>	
10	3/12 – 3/16	Two-way ANOVA	12.4, 12.5
11	3/19 – 3/23	Repeated measures, assumptions	12.6 – 12.8
12	3/30	TEST 2	Chapter 12
13	4/2 – 4/6	MLR and categorical variables	13.1 – 13.5
14	4/9 – 4/13	MLR model building	14.1
15	4/16 – 4/20	MLR Diagnostics	14.2, 14.3
16	4/23 – 4/27	Logistic Regression	15.1 – 15.4
16	4/25	TEST 3	Chapters 13, 14, 15