

STA 6126 Section 7311, Spring 2008
Statistical Methods in Social Research I

See course announcement page for changes and announcements:
<http://www.stat.ufl.edu/~yy/STA6126/Announcements.doc>

Instructor: Dr. Yasar Yesilcay, (yy@stat.ufl.edu) in FLO 101B, 392-1941/ 206

Lectures: MWF Period 8 (3:00 – 3:50 p.m.) in FAB 105

Office Hours: MTWR Period 7 (1:45 – 2:45)

Teaching Assistant: Tezcan Ozrazgat (FLO 117A)

Office Hours: TR 11:00 AM – 1:00 PM.

Course Objective: Introduction to statistical methods used to analyze social science data.

Textbook: Agresti & Finlay *Statistical Methods for the Social Sciences 3rd Ed.*

Prentice- Hall

Homework and Exams:

1. **Homework Assignments:** There will be 4- 5 assignments. You will have one week to hand them in from the time they are posted and shown in class. Assignments will be worth a total of 100 points.
2. **Exams:** There will be 3 in- class exams. They will be worth a total of 300 points. (See tentative schedule on the next page for dates.)
3. **Grading:** Grades will be based on the total of 400 points from homework and exams. Grades are not negotiable (unless a miscalculation is made in totaling points)
4. **Missed Exams:** Any exams that will be missed must be confirmed as soon as possible, **before** the time of the exam.
5. **Late Homework:** Will **NOT** be accepted and will receive a grade of 0. All homework must be handed in by hard copy. No e- mail will be accepted.
6. **Computing:** You will need a computer for homework assignments. Examples will make use of SPSS, but you may use any program you choose. Datasets will be posted on web in column formatted 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.

STA 6126 Tentative Schedule

Weeks	Monday	Tues	Wednesday	Thurs	Friday
1	1/7 Lecture 1 1.1 Introduction	1/8	1/9 Lecture 2 1.2 Inference 1.3 Comp Stat	1/10	1/11 Lecture 3 2.1 Random Vars
2	1/14 Lecture 4 2.2 – 2.3 Sampling	1/15	1/16 Lecture 5 3.1 – 3.3 Descriptive Statistics	1/17	1/18 Lecture 6 3.4 - 3.5 Parameters and Statistics
3	1/21 MLK Day No Classes	1/22	1/23 Lecture 7 4.1 – 4.2 Probability	1/24	1/25 Lecture 8 4.3 Sampling distributions
4	1/28 Lecture 9 4.4 Distr. Of Sample Means	1/29	1/30 Lecture 10 4.5 Review	1/31	2/1 Lecture 11 5.1 Point Estimation
5	2/4 Lecture 12 5.2 CI for μ	2/5	2/6 Test – 1 on Chapters 1 - 4	2/7	2/8 Lecture 13 5.3 CI for π
6	2/11 Lecture 14 5.4 Sample size	2/12	2/13 Lecture 15 6.1 Significance Tests	2/14	2/15 Lecture 16 6.1 Significance Tests
7	2/18 Lecture 17 6.2 Tests for μ	2/19	2/20 Lecture 18 6.3 Tests for π	2/21	2/22 Lecture 19 6.4 Decisions
8	2/25 Lecture 20 6.5 – 6.6 Small samples	2/26	2/27 Lecture 21 6.7 Power of Tests	2/28	2/29 Lecture 22 7.1 Inference for $\mu_1 - \mu_2$
9	3/3 Lecture 23 7.2 Inference for $\pi_1 - \pi_2$	3/4	3/5 Test – 2 on Chapters 5 - 6	3/6	3/7 Lecture 24 7.3 Small samples
10	Spring Break March 8 – 15 Please Drive Safely. Have a nice Break				
11	3/17 Lecture 25 7.4 Dependent Samples	3/18	3/19 Lecture 26 8.1 Chi- Square Test	3/20	3/21 Lecture 27 8.2 – 8.3 independence
12	3/24 Lecture 28 8.4 – 8.6 Association	3/25	3/26 Lecture 29 9.1- 9.3 SLR	3/27	3/28 Lecture 30 9.4 Correlation
13	3/31 Lecture 31 9.5 Inference in SLR	4/1	4/2 Lecture 32 9.6 SLR and Assumptions	4/3	4/4 Lecture 33 10.1- 10.4 Multivariate relationships
14	4/7 Lecture 34 11.1 – 11.3 MLR	4/8	4/9 Lecture 35 11.4 Inference in MLR	4/10	4/11 Lecture 36 11.4 Inferences in MLR

15	4/14 Lecture 37 11.5 interaction in MLR	4/15	4/16 Lecture 38 11.5 Interaction	4/1 7	4/18 Lecture 39 11.6 Comparing MLR models
16	4/21 Lecture 40 Test Review	4/22	4/23 Lecture 41 Test Review	4/24 – 4/25 <i>Reading Day No Classes</i>	
17	Test 3 on Chapters 5 – 11 Thursday, May 1, 2008				