

PSY116 STATISTICS IN PSYCHOLOGY-I
Spring 2010

Textbook:

Heiman, G. W. (2006). Basic statistics for the behavioral sciences (5th ed.). Boston:Houghton Mifflin Company.

Course Description:

The course will begin with a review of the basic concepts in statistics. Then, frequency distribution, mean, mode, median, standard deviation, variance, normal distribution, normal distribution with hypothesis testing, sampling distribution of means, correlation techniques, simple regression will be covered.

Course Requirements:

There will be 2 exams, 4 exercises, and 7 lab sessions.

1. Exams:

Exams will be multiple-choice and will cover the subjects from the textbook and the subjects covered in the classroom until the exam date.

Make-up examinations: In order to be eligible to enter a make-up examination for a missed examination, a student should have a documented and officially acceptable excuse. If you are eligible to take any of the make-up examinations, you must report to your course instructor within one week after the missed exam date. The make-up examination for all exams will be after the final exam, and will include all topics. The make-up examination may not resemble the other examinations regarding its form and content.

2. Exercises:

There will be 4 class exercises. For each exercise you will be given a data set, which you will analyze, by hand, with the appropriate statistical technique and interpret your results. Please bring a **small calculator** to each exercise. There is absolutely no make up for exercises.

3. Lab Sessions

There will be 7 lab sessions throughout the semester. The lab sessions will help you apply what you have learned and get you acquainted with SPSS.

Grading:

Exam 1	25%
Exam 2	25%
Exercises	40%
Lab Session	10%

Please DO NOT ask for a raise in your grade, I will not raise your grade under any circumstances.

Very Important Note: All assignments and exams must be done ON YOUR OWN. Note that academic dishonesty includes not only cheating, fabrication, and plagiarism, but also includes helping other students commit acts of academic dishonesty by allowing them to obtain copies of your work. Cases of academic dishonesty will be dealt with harshly. If the student is found to be responsible of academic dishonesty, the typical sanction results in a grade of “FF”, and be sure that I will not hesitate to fail you for plagiarism. More serious instances can result in expulsion from the university.

TENTATIVE SCHEDULE

WEEK	DATES	TOPIC	READINGS
Week 1	-----	-----	
	-----	-----	
Week 2	23.02.2010	Overview and Syllabus	Heiman Chapter 1-2
	24.02.2010	Introduction	
Week 3	02.03.2010	LAB Session: Introduction to SPSS	Heiman Chapter 3
	03.03.2010	Frequency Distribution	
Week 4	09.03.2010	Frequency Distribution	Heiman Chapter 3
	10.03.2010	EXERCISE 1	
Week 5	16.03.2010	LAB Session: Frequency Distribution	Heiman Chapter 4
	17.03.2010	Central Tendency	
Week 6	23.03.2010	Central Tendency	Heiman Chapter 5
	24.03.2010	Variability	
Week 7	30.03.2010	LAB Session: Central Tendency	Heiman Chapter 5
	31.03.2010	Variability	
Week 8	06.04.2010	LAB Session: Variability	Heiman Chapter 6
	07.04.2010	EXERCISE 2	
Week 9	13.04.2010	Z Scores	Heiman Chapter 6
	14.04.2010	EXAM 1	
Week 10	20.04.2010	LAB Session: Z Scores	Heiman Chapter 7
	21.04.2010	Z Scores	
Week 11	27.04.2010	EXERCISE 3	Heiman Chapter 7
	28.04.2010	Correlation	
Week 12	04.05.2010	LAB Session: Correlation	Heiman Chapter 8
	05.05.2010	Correlation	
Week 13	11.05.2010	Regression	Heiman Chapter 8
	12.05.2010	Regression	
Week 14	18.05.2010	EXERCISE 4	Heiman Chapter 8
	19.05.2010	NO CLASS	
Week 15	25.05.2010	LAB Session: Regression	Heiman Chapter 8
	26.05.2010	EXAM 2	