

New York University
Steinhardt School of Education
Basic Statistics I – E10.1085.002
Tuesday 6:20 – 9:00PM
Fall 08

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Office: 246 Greene Street, 3rd Floor

Office Hours: Tuesday 5:00 – 6:00PM by appointment only

Course Description: This two-semester course is designed to instruct students on how to use statistics for data analysis. The course will make use of SPSS, a statistical software package (Versions 10 or higher.) The first semester will serve as a foundation, covering methods for displaying and describing data, followed by a second semester which will build upon the first, covering specific methods of statistical inference.

Text: The text can be found at the Main Bookstore, *Data Analysis for Behavioral Science's using SPSS*, Weinberg & Abramowitz, Cambridge Press.

Data: The SPSS software is required to do most Homework assignments as well as the Final project. SPSS student version is available at The NYU Computer Store. For those students that do not have SPSS at their homes, or do not wish to purchase the software, you will be able to use the designated computer lab to complete your assignments. The lab is located at Tisch Hall, room LC 8.

Homework: Homework will be assigned and discussed in every session. All work will be collected, graded, and MUST BE TYPED. Please note that late Homework WILL NOT be accepted. Completion of the Homework will make the material much easier to understand.

Exams: There will be one Cumulative Final and two Midterms. There will be no make-ups for any of the exams. NO EXCEPTIONS. If you have a problem with the dates, you must notify me at least two weeks before the exam date.

Project: A final project will be assigned. The Final project is designed to give students hands on experience exploring real data, using the SPSS software as well as the material covered throughout the course. More information on the Final project will be given towards the due date. THIS IS NOT A GROUP PROJECT. LATE PROJECTS WILL NOT BE ACCEPTED.

Grading: Final 25% Midterm I & II 15% Each HW 10% Project 35%

Date	Topics Covered	Chapter
9-2	Overview and Introduction to SPSS	1
9-9	Examining univariate distribution	2
9-16	Measures of location, spread & skewness	3
9-23	Re-expressing variables: Transformations	4
9-30	Review and practice (take home)	Ch1 – Ch4
10-7	<u>Midterm 1</u>	
10-21	Exploring relationships between variables	5
10-28	Sample linear regression <u>Project assigned</u>	6
11-4	Sample linear regression [With Practice]	6
11-11	Probability fundamentals	7
11-18	Review and practice	
11-25	<u>Midterm 2</u>	
12-2	Theoretical probability models I	8
12-9	Theoretical probability models II	8
	<u>PROJECTS DUE</u>	
12-16	<u>FINAL EXAM</u>	