

E10.2002

Instructor: Sharon L. Weinberg
Office: 12th Floor Bobst
E-mail: sharon.weinberg@nyu.edu
Phone: (212) 998-2373; Fax: (212) 995-4300
Office Hours: Mondays, 2:00pm – 3:00pm

Course Description: This is the second semester of a two-semester sequence designed to introduce students to the tools of data analysis using SPSS. We focus this semester on tests of inference. Emphasis is on the acquisition of conceptual understanding over computational skill. SPSS is used as a tool to enhance that conceptual understanding and to provide students with computer skills for conducting data analyses.

Computer Lab: As a student in this class you have priority access to the computer labs which means that you may enter the lab at any time by swiping your ID. The regular lab consultants often do not know SPSS, but they can answer system level questions about accessing SPSS, and saving, printing, and opening files. At Tisch LC8, there are two statistics consultants during the day.

Text: Data Analysis for the Behavioral Sciences Using SPSS by Sharon Lawner Weinberg and Sarah Knapp Abramowitz, Cambridge University Press, 2002. The text is available at the NYU Bookstore.

Grading:

Homework: Practicing what has been covered in class is essential to learning statistics. Homework will be assigned, collected, and graded each week. You are responsible for completing all homework assignments on time and raising related questions in class.

Project: You will be expected to complete a project that requires you to select appropriate statistical methods to answer a series of questions based on a given data set and to interpret and communicate your findings based on your analysis.

Exams: There will be one midterm and one cumulative final.

Grade Composition: Homework: 10% Midterm: 25% Final Exam: 25% Project: 40%

Course Outline:

Day; Topic Discussed in Class; Reading

1/28; Review final exam; power analysis; tests of inference on means: t-test; Chapters 10 & 11

2/04; Tests of inference on means: t-test; Chapter 11

2/11; Tests of inference on means: one-way anova; Chapter 12

2/18; No class; Presidents' Day

2/25; Multiple comparison procedures: post hoc tests; Chapter 12

3/04 Tests of inference on means: two-way anova; Chapter 13

3/11; No class; Spring recess

3/18; Interaction effects, simple effects, post hoc tests; Chapter 13

3/25; Midterm; Includes material through Chapter 12

4/01; Simple regression in the inferential context; Chapter 14

4/08; Simple regression in the inferential context; Chapter 14

4/15; Multiple regression; Chapter 15

4/22; Multiple regression; Chapter 15

4/29; Project due; Non-parametric tests of inference; Chapter 16

5/06; Last class; wrap up and review for final

5/13; Final Exam; Includes all material from semester