

**E10.1085 Basic Statistics I****Christina Brewer Summer 2004**Lecture: Monday+Wednesday 5:10-7:10pm      Location: 25 W.4<sup>th</sup> Room C-13

Computer: Monday+Wednesday 7:30-8:30pm      Location: TBA

Office Hours: Monday+Wednesday 3:30-4:50pm      Location: East Building 6<sup>th</sup> Fl.  
email: [cmb318@nyu.edu](mailto:cmb318@nyu.edu)Required Text: Data Analysis for the Behavioral Sciences Using SPSS  
(Weinberg & Abramowitz, 2001).

Software: SPSS version 11 (version 10 should suffice) (Available off web)

**Course Overview:** This two-semester course is designed to prepare students to use statistics for data analysis. The course will make use of SPSS (Statistical Package for the Social Sciences), a statistical computer software package. This semester will serve as a foundation, covering methods for displaying and describing data. The second semester will build on this first one to cover particular methods of statistical inference.

**Data:** In this class, you will be required to use SPSS computer software. SPSS is available at the computer store [Student Version 10.0]. If you don't have SPSS at home, you will be able to use the computer lab in order to complete the final projects and the daily homework. The Lab is located in Tisch Hall on the LC floor [LC#8]. Bring a 3.5" disk to save your work. You can also go on the SPSS website and download a version that lasts for 1 month for free.

**Homework:** Homework will be assigned and discussed at every session. This will be an important part of this class. Homework will be collected and graded. Completion of the homework will make the material a lot easier to understand. The assignments themselves will be a combination of problems from the textbook, and work on your data sets, which is designed to help you complete your projects at the end of the semester.

**Exams:** There will be one mid-term and one cumulative final exam

**Project:** A Final project will be assigned. The project is designed to allow you to explore some social issue that interests you using the tools we develop in the class and SPSS. IT IS NOT A GROUP PROJECT.

**Grade composition:**

Final: 25% Midterm: 25% Homework: 25% Project: 25%

**Assignment policy:** Assignments will be handed in daily and on time. Instead of collecting homework there may be a quiz on the homework. Make sure to ask questions about homework **before** class in office hours or by e-mail.

## SCHEDULE

| <b>Date</b>    | <b>Topic</b>  | <b>Chapter</b> |
|----------------|---|----------------|
| May 17         | Overview and Introduction to SPSS                         | Chapter 1      |
| May 19         | Examining univariate distribution                         | Chapter 2      |
| May 24         | Measures of location, spread and skewness                 | Chapter 3      |
| May 26         | Re-expressing variables: Transformations                  | Chapter 4      |
| May 31         | Memorial Day (No Class)                                   |                |
| <b>June 2</b>  | <b>Catch-up and Review for Mid-term Exam Chapters 1-4</b> |                |
| <b>June 7</b>  | <b>Mid-term Exam Chapters 1-4</b>                         |                |
| June 9         | Exploring relationships between variables                 | Chapter 5      |
| June 14        | Simple Linear Regression                                  | Chapter 6      |
| June 16        | Theoretical Probability Models                            | Chapter 8      |
| <b>June 21</b> | <b>Catch-up and Review for Final Exam Chapters 1-6, 8</b> |                |
| <b>June 23</b> | <b>Final Exam Chapters 1-8</b>                            |                |