Econ 2370  
Introduction to Statistics and Data Analysis  
Spring 2007

Course Website: [http://www.uh.edu/~cmurray/courses/econ_2370](http://www.uh.edu/~cmurray/courses/econ_2370)

**Time and Location:** Tuesday and Thursday, 1:00-2:20, 116-M.

**Office Hours:** Tuesday and Thursday, 2:30-3:30, and by appointment.

**Required Textbooks:**


**Prerequisites:** Students are required to have a good command of high school algebra. Calculus is not required.

**Teaching Assistant:** Tanya Molodtsova, 250-M, tvmolodt@mail.uh.edu

**Course Description:**

The primary goal of this class is to equip you with a set of skills that will enable you to analyze and interpret data that you might encounter in real life situations. We will spend time studying probability and probability distributions, sampling distributions of estimators and statistics, as well as large and small sample hypothesis testing.

Some class time will also be allocated to teach you to use Excel to perform statistical analysis. For the Excel components of homework assignments, you may either use your own computer, or one of the computers in the university labs.

While this is an economics class, the tools you will learn in this course will be applicable to any behavioral science, including economics, political science, demography, and psychology.

Tentatively, we will cover Chapters 4-10 in Mendenhall et al, and Chapters 1-6 in Berk & Carey.

**Grading:** Your final grade will be a weighted average of the homework assignments (roughly one per week), 2 midterm exams, and a final exam. The homeworks are worth 20% of your grade, each midterm 25%, and the final 30%.

Homework assignments will consist of both theoretical and applied exercises. You are encouraged to cooperate with your classmates when solving the homework problems, but you are required to turn in your own answers. Identical homeworks will not be accepted.

If you are unable to take an exam because of emergency, you must inform me of this before the exam takes place.
Learning Outcomes:

- Students will learn the basic foundations of probability theory and probability distributions.
- Students will learn the basic theory of hypothesis testing, or statistical inference.
- Students will become proficient applying this theory using Microsoft Excel.