

University of Colorado, Department of Economics
Econ 3818, Fall 2006
Introduction to Statistics with Computer Applications

Instructor: Scott Holladay

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Course website: <http://ucsu.colorado.edu/~holladaj/fall06/3818>

Class: MWF 12:00-12:50

Room: HALE 230

Office hours: M 11:00-11:50, F 1:00-2:00

Course Objectives:

The course is designed as a rigorous introduction to statistics and econometrics for economics students. For most of you this will be your first course in statistics. For this reason, one of the goals of the course is to introduce you to many new concepts and techniques, as well as interesting applications of these concepts. We will also learn to use the same statistical tools employed by professional statisticians. This course begins with an introduction to the tools used to describe samples of data from a population. There will also be a brief introduction to probability theory. The course then covers estimation and its application to confidence intervals and hypothesis testing. Finally, if time allows, we will discuss single and multivariate regression analysis. These are the most important tools used in econometrics.

There are no prerequisites for this course, but a good understanding of algebra is essential. Attendance at all lectures and recitations is required. This course does not have the level of technical difficulty of more advanced statistics and econometrics courses. However, the large range of topics covered can make this course challenging. The best way to succeed is to review the material after every lecture.

Grading:

The grade for this course will be calculated as or thEMC /P 90 5e8er th0eistics and economtuo20 Tc 0 Tw 1

Homework: One of the keys to understanding statistics is working practice problems. Example problems will be worked in class and recitation. Homework will be assigned most weeks and will include problems from the text and computer exercises. The problem set will be posted on the course website on Tuesday and discussed in recitation that week. The finished problem sets will be due at the beginning of class on Tuesday of that is wine(105)