

Economics 4838-003 - Microcomputer Applications in Economics - Spring 2008

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Contact

Office: Economics 14A

Office hours: MW 9:30-10:45, 1:00-2:00

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Class schedule: TR 12:30-1:45, HUMN 1B45

Course website: spot.colorado.edu/~platikan

Course Description

Economics 4838 is an introduction to applied statistical and econometric analysis. This course will cover basic statistical and econometric methods and how to apply them using the SAS statistical software.

Prerequisites

The prerequisites for this course are **Economics 1088 or Math 1300, and Economics 3070**. Prior completion of **Economics 3818** is recommended.
d. The course requires basic algebra skills. In particular, students should understand summation signs.

Text

Applied Statistics and the SAS Programming Language, Fourth Edition, by Ronald P. Cody and Jeffrey K. Smith. I will follow the text closely. However, the textbook is not a substitute, but a complement, for class attendance. Additional readings, assignments, and answer keys will be posted on the course website.

Software

The software for the course is SAS and it is available in the Economics Computer Lab. You can check the SAS availability in other PC labs at: <http://webdata.colorado.edu/labs/softwaresearch>. Students who want to purchase their own SAS license can download it through the CU bookstore. The Student SAS license costs \$60.00 and is valid through December 31, 2008.

Evaluation

Your grade will be determined by the following components:

- Problem sets: 35%.
- Quizzes: 30%
- Cumulative final: 35%.

I will assign problem sets. **Late assignments will not be accepted.** I will randomly choose which problems to grade.

There will be four 25-minute quizzes during the last 25 minutes of classes on **5 February, 28 February, 13 March and 10 April**.

There will be a cumulative final on **Monday, 5 May, 7:30 a.m. - 10:00 a.m.**

Tentative Course Outline (Text chapters are in parentheses)

1. Introduction (Ch. 1)
2. A SAS Tutorial (Ch. 1)
3. Describing Data (Ch. 2)
4. Analyzing Categorical Data (Ch. 3)
5. The SAS Input Statement (Ch. 12)
6. External Files (Ch. 13)
7. Data Set Subsetting (Ch. 14)
8. Working With Arrays (Ch. 15)
9. Correlation and Simple Regression (Ch. 5)
10. Multiple Regression Analysis (Ch. 9)
11. A Review of SAS Functions (Ch. 17)
12. Working With Date and Longitudinal Data (Ch. 4)
13. Categorical Dependent Variables

University Policies

Please be aware of the university policies regarding classroom behavior, honor code, disabilities, religious practices and sexual harassment. All campus policies should be accessible at <http://www.colorado.edu/policies/>.