INTRODUCTION TO ECONOMETRIC METHODS ONLINE

FALL 2013

Data analysis
THE GATHERING, DISPLAY, AND
SUMMARY OF DATA;
Probability
THE LAWS OF CHANGE, IN
AND OUT OF THE CASINO;
Statistical inference
THE SCIENCE OF DRAWING
STATISTICAL CONCLUSIONS
FROM SPECIFIC DATA USING A
KNOWLEDGE OF PROBABILITY.

COURSE: ECON 0305 / FINC 0305 501
INSTRUCTOR: Susanne B. Chuku, Ph.D
OFFICE HOURS: TR 2:15 to 3:30 p.m.
or by appointment in Wilson Hall room 227B
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PHONE: 413-572-8041

COURSE DESCRIPTION:

We are going to study the application of statistical methods and techniques to economic conditions. The primary focus of the course is the formulation, interpretation, and critical analysis of regression methods. Among the topics we are going to discuss are hypothesis testing, multiple regression, specification errors, and multi-collinearity. We will also learn how to collect, organize, and analyze real-world data and how to run regressions using various software programs. Prerequisites: ECON 101, ECON 102, and MATH 108.
REQUIRED MATERIAL:

1) Textbook:


2) Software:
STATA 12. The program can be purchased at a discounted rate through the “Grad Plan” at http://www.stata.com/course-gradplan. The GradPlan ID will be provided at the beginning of the semester (approx. cost $35). STATA 12 is installed in the computer labs in Wilson rooms 407 and 408.

EXAMS

There are two closed-books exams, one midterm and one final exam. These exams must be taken in a monitored environment on the day they are assigned.

It is recommended that students come to campus to take the exams. However, if this is not possible due to distance constraints, students must make alternative arrangements. These alternatives include proctoring by base personnel for students serving in the military, by an approved public library, by a college or university testing center, or by a certified testing center (http://www.ncta-testing.org/cctc/find.php). Testing centers may charge a fee for their services, or have restricted hours of operation. These are the only testing options available, and only students able to use one of these options should enroll. No exams, except as listed above, will be given outside the United States.
The following items are covered in this course. I strongly recommend to read each chapter *more than once*. There are many technical terms used in the study of econometrics that you must familiarize yourself with in order to be successful in this class.

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<td>The Classical Model</td>
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<td>Hypothesis Testing incl. appendix</td>
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WARNING:

You should not take this course online if the following applies to you.

A Day in the Life of a Procrastinator.

10am. Loll about
11am. Diddle daddle
1pm. Linger
5pm. Lolligag
7pm. Mosey
10pm. Lounge, Goof off, Boondoggle, Bum around.

This course is very work intensive, and you will only get a satisfying learning experience if you are going to dedicate at least 8 hours per week to the class.