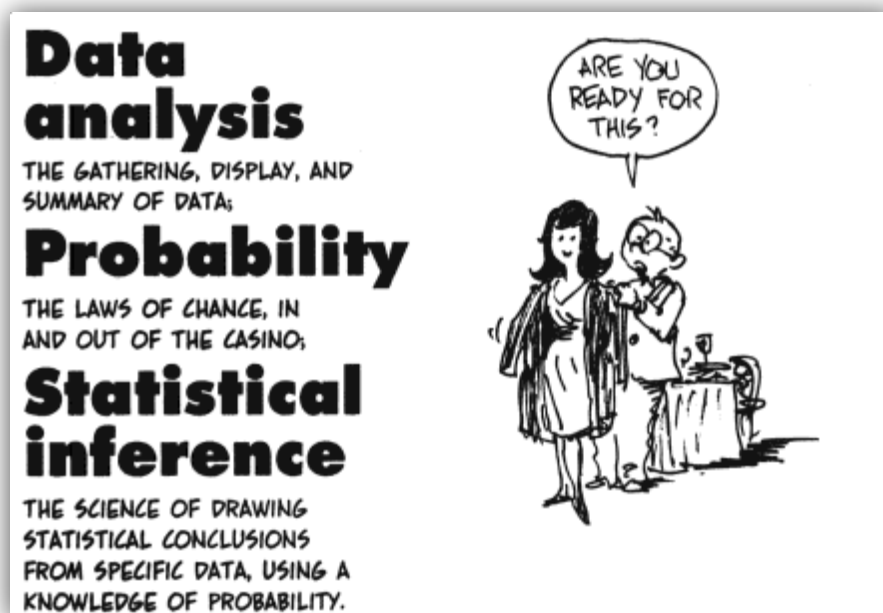


INTRODUCTION TO ECONOMETRIC METHODS ONLINE

FALL 2015



COURSE: ECON 0305 / FINC 0305 501
INSTRUCTOR: Susanne B. Chuku, Ph.D
OFFICE HOURS: MW 12:30 - 1:30 p.m.
or by appointment in Wilson Hall room 411D
E-MAIL: schuku@westfield.ma.edu
PHONE: 413-572-8041

COURSE DESCRIPTION:

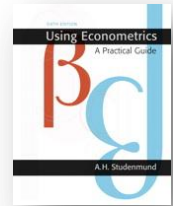
We are going to study the application of statistical methods and techniques to economic conditions. The primary focus of the course is the formulation, interpretation, and critical analysis of regression methods. Among the topics we are going to discuss are hypothesis testing, multiple regression, specification 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:

The customized book contains selected chapters of "Using Econometrics, A Practical Guide" 6th ed. by A. H. Studenmund, Prentice Hall, ISBN 978-0-13-136773-9. You can rent the entire book as an e-text or buy an actual copy:

<http://www.mypearsonstore.com/bookstore/product.asp?isbn=0131367730&xid=PSED>



2) Software:

STATA 14. 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 \$38). STATA 12 is installed in the computer labs in Wilson rooms 407 and 408.



There are two closed-books exams, one midterm and one final exam. These **exams must be taken in a monitored environment on either one of the two days 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.

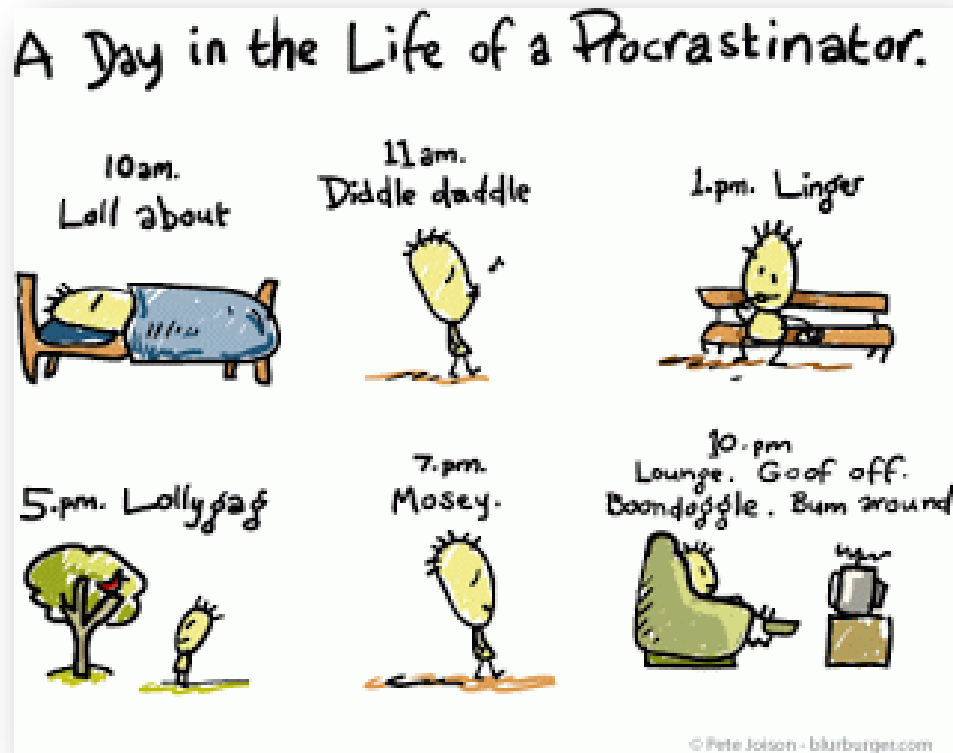
Course Outline

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.

Chapter	Title
1	An Overview of Regression Analysis
2	Ordinary Least Squares
4	The Classical Model
5	Hypothesis Testing incl. appendix
6	Specification: Choosing the Independent Variables
7	Specification: Choosing a Functional Form
8	Multicollinearity (selected parts)
10	Heteroskedasticity
12	Time-Series Models
13	Dummy Dependent Variable Techniques
15	Forecasting
16	Experimental and Panel Data

WARNING:

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



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.

