Economics 6818
Econometric Methods and Applications

INTRODUCTION

Economics 6818 is a one-semester course in mathematical statistics and econometrics. It is designed to provide the necessary background in statistics to better understand econometric methods; to begin the study of those methods; and to apply economic theory and econometric methods to empirical problems in economics.

TEXT


TENTATIVE COURSE OUTLINE

Weeks 1 - 2: Introduction and matrix algebra. Text: Chapters 1, 2. Familiarization with the LIMDEP computer program. LIMDEP is available on the PC-s in the basement, and may be copied for home use.


Weeks 6 - 8: Least squares and the classical normal linear regression model. Text: Chapters 5-9.


Weeks 12 - 15: Topics in regression analysis. Text: Chapters 17, 20 and 21, and readings to be assigned.

COURSE REQUIREMENTS

Requirements and grading: Two lectures weekly. There will be a quiz, midterm (25%) and a final exam (50%), and periodic analytic and computer oriented problem sets (25% - weights are approximate).