



Course: Matlab Brush-Up Course Syllabus

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Term: Fall

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Description:

This course provides the basics of programming in MATLAB. Our first task is to know that the importance of using MATLAB in economics analysis and know the basics of desktop. During the courses, we will learn programmed commands, programming language, how to import data and perform manipulations to obtain useful outputs. After this course, the students will obtain the skills to read, understand and produce simple scripts.

Objective:

To obtain the basic skills to do the matrix computation, analyze the data, to make the figures in MATLAB and to solve the optimization problems.

Outline:

1. Basic windows, matrix manipulation
2. Matrix operations
3. Basic statistics and analyze the data
4. Plot the figures
5. Simple loops
6. Functions
7. Symbolic objects
8. Optimization problem

References:

1. John C. Frain: MATLAB for Economics and Econometrics: A Beginner Guide
2. Christos Xenophontos: A Beginner's Guide to MATLAB
3. Kyle Handley: MATLAB Mini Course

