Stata and LaTeX for Empirical Economics
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ShanghaiTech University

Syllabus

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Course Description

This course provides an introduction to Stata and LaTeXfor empirical economic research. The course tries to cover all the stages throughout the research, including idea, literature, data, analysis, writing and presentation. The course is composed of three parts. The first part is Stata basics, which is designed for students who have no prior experience with Stata. The second part is advanced Stata topics, which focuses on techniques used in actual research process. The third part is LaTeX. I will talk about both writing (think about Word) and presentation (think about PowerPoint).

Although this course focuses on Stata, I will emphasize "what should you do?" and "why should you do so?", not "how should you do?" Therefore, many principles covered in this course naturally apply to other softwares, such as R.

Prerequisites

Intermediate Microeconomics, Statistics for Economics, Principles of Econometrics

Course Schedule

	Lecture Topics
Lecture 1	Stata Basics
Lecture 2	Idea, Literature, and Data
Lecture 3	Re-introducing Stata
Lecture 4	Data Cleaning
Lecture 5	Data Analysis
Lecture 6	Tables and Graphs
Lecture 7	LaTeXand Writing
Lecture 8	Beamer and Presentation