



Μεταπτυχιακό Πρόγραμμα
«Βιοοικονομία, Κυκλική οικονομία
& Βιώσιμη ανάπτυξη»

«MSc in Bioeconomics»

Piraeus, Oct 19, 2019

Syllabus in Econometrics

Purpose

The aim of this course is to introduce students to both theoretical and applied econometrics through the use of the econometrics software STATA.

Teaching sessions

Lesson 1 (19/10/2019) - Introduction to STATA

- Why should we learn STATA?
- An overview of the home screen of STATA.
- File types in STATA.
- How to handle the WBDI, IMF, WGI, FRED, Eurostat databases?
- How to import datasets from an excel file?
- How to define a new dataset?
- How to read our database?

Lesson 2 (26/10/2019) - Basics in STATA

- Descriptive statistics
- Basic commands
- Metrics and symbols
- Other commands
- How to create dummy variables?

Lesson 3 (02/11/2019) - Theoretical and applied econometrics with STATA

- Regression and ANOVA table
- Multicollinearity
- Autocorrelation
- Heteroskedasticity
- Introduction to individual effects



Μεταπτυχιακό Πρόγραμμα
«Βιοοικονομία, Κυκλική οικονομία
& Βιώσιμη ανάπτυξη»

«MSc in Bioeconomics»

Lesson 4 (09/11/2019) - Visualization with STATA

- Scatterplots
- Lines
- Box-plots
- Histograms
- Advanced visualization

Final examination (26/11/2019)

Learning Objectives

At the end of the current course, students will be able to conduct research in an effective and productive manner.

The instructor,

Alexandros Bechlioulis

Post-Doc Researcher & Academic Fellow in Economics

e-mail: abechlioulis@unipi.gr

Tel.: (+30) 210 4142294