

ECONOMIC STATISTICS

Sponsored by a Grant TÁMOP-4.1.2-08/2/A/KMR-2009-0041

Course Material Developed by Department of Economics,

Faculty of Social Sciences, Eötvös Loránd University Budapest (ELTE)

Department of Economics, Eötvös Loránd University Budapest

Institute of Economics, Hungarian Academy of Sciences

Balassi Kiadó, Budapest



Author: Anikó Bíró

Supervised by Anikó Bíró

June 2010

Week 1

Economic data, the course

Examples from economics

- Average income, distribution of income
- Effect of advertisement expenditures on sales of a company
- Effect of interest rate on inflation
- Other examples?

- Data?
- Theory?
- Difficulties?

Data analysis, econometrics

- Data collection
- Descriptive statistics
- Analysis of relationships

Econometrics: discipline of analysis of economic data

But: „economic” should be understood in the broad sense – e.g. education, health policy

Aim of the course: basics of data analysis

Data on the internet

- Textbook data:
- www.wileyeuropa.com/go/koopdata2ed
- Hungarian macro data: www.ksh.hu, www.mnb.hu
- International data: Eurostat (ec.europa.eu/eurostat), OECD (www.oecd.org), PennWorld tables (pwt.econ.upenn.edu)

Course requirements

Software: Excel, Eviews

Textbook: G. Koop: Analysis of economic data, 2nd ed.

(John Wiley & Sons Ltd, 2005)

Connections with other courses

- Informatics: excel – Analysis ToolPak!, word, power point
- Theoretical background:
 - Probability theory and statistics
 - Econometrics
- More advanced methods:
 - Macrostatistics
 - Microeconometrics

Economic data

Seminar 1

Excel basics

- Worksheets
- Basic calculations in Excel
- Diagrams
- Saving

Data on the internet

- Textbook data: www.wileyurope.com/go/koopdata2ed
- Hungarian macro data: www.ksh.hu, www.mnb.hu
- International data: Eurostat (ec.europa.eu/eurostat), OECD (www.oecd.org), PennWorld tables (pwt.econ.upenn.edu)

What kind of data are available?

Copy data to excel – practicing