

# ECONOMIC STATISTICS





NEW

SZÉCHENYI PLAN

# ECONOMIC STATISTICS

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Course Material Developed by Department of Economics,

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# ECONOMIC STATISTICS

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# ECONOMIC STATISTICS

## Week 1

### Economic data, the course

Anikó Bíró

# 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.wiley-europe.com/go/koopdata2ed](http://www.wiley-europe.com/go/koopdata2ed)
- Hungarian macro data: [www.ksh.hu](http://www.ksh.hu),  
[www.mnb.hu](http://www.mnb.hu)
- International data: Eurostat  
([ec.europa.eu/eurostat](http://ec.europa.eu/eurostat)), OECD  
([www.oecd.org](http://www.oecd.org)), PennWorld tables  
([pwt.econ.upenn.edu](http://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.wileyeurope.com/go/koopdata2ed](http://www.wileyeurope.com/go/koopdata2ed)
- Hungarian macro data: [www.ksh.hu](http://www.ksh.hu),  
[www.mnb.hu](http://www.mnb.hu)
- International data: Eurostat  
([ec.europa.eu/eurostat](http://ec.europa.eu/eurostat)), OECD  
([www.oecd.org](http://www.oecd.org)), PennWorld tables  
([pwt.econ.upenn.edu](http://pwt.econ.upenn.edu))

What kind of data are available?

Copy data to excel – practicing