Seminar 7. Work with EViews

Task 1. Variable definition

Types of variables and data Indicate what type of variables are the following:

- Grades of students (A to E).

- Wages of individuals.

- Prices of used cars.

- Outcomes of decisions (i.e. how to travel to school).

- Decision to have children.

- Measure of life satisfaction.

- Labour market status.

- Variable with the hotel selected for holidays.

- Age at first marriage.

- Level of education.

Indicate whether the following data are cross sectional, time series or panel.

- Sales of all companies in a year.

- GDP per capita of single country,

- Trade data of a single country with all other countries in several years.

- A survey that covers several years of the life of an individual.

- The monetary emissions and the interest rate of a country.

- Data on the consumers that buy a product.

Task 2. Creating a workfile

Create a new workfile pq_curve.wf1 and 2 objects (p and q), using the following data

P	6	5	4.5	4.4	3	4.8	6	5.8	6.2	6.1	4.5
Q	78	70	69	63	160	58	74	64	72	79	83

- Build graph of variable Q on P.

- Define descriptive statistics of both variables.

- Calculate coefficient of correlation between variables.

Task 3. Data analysis
File: macromod.wf1

Using file define and save in appropriate objects:

· Monetization level (ratio monetary base to GDP);

· Ratio of investments in GDP;

· Marginal rate of consumption;

· The increase in GDP;

· Ratio of exports in GDP;

· Inflation ratio.

Build graphs of all parameters found.

Task 4. Currency exchange case

Using site www.investing.com create a dataset of three series (EUR/USD, BTC/USD, GBP/USD) for the last 12 month with daily observations.

1. Calculate mean, variance, standard deviation for all series.

2. Calculate correlation matrix.

3. Build graphs for these series.

4. Define the daily increase for each series.