

Course description
Data analysis by computer 2.

Code of the subject: JAIT102XX0

Name of the subject: Data analysis by computer 2.

Place of the course in the model-curriculum: 3nd semester

Lessons per week: 2

Lessons per semester: 9

Method of evaluation: test

Value of credit: 3

Language of the course: Hungarian

Master of the course: GROMA Sarolt

Obligatory course before: Data analysis by computer 1.

Parallel obligatory course: none

Scope of the subject: to further immerse students into univariate and multivariate statistical analyses skills.

Course description: a prerequisite of successful completion of this subject is user level skills and knowledge of those studied while attending IT data analysis 1.

Major topics of the seminars are: types of distributions; central limit theorem, samples, unbiased estimation, independence tests /variances, methods of comparing group means, one-way analysis of variance, time series, correlation and regression analysis.

Summarizing the topics:

Frequencies distribution;

Samples, sampling;

Unbiased estimation, probes;

Central limit theorem;

Examples, analyses, graphs;

Independence tests;

One-way analysis of variance;

Time series, base year, variance analysis, state and duration time series;

Moving average (MA)

Regression calculation.

Distribution analysis

Case studies; compulsory literature:

IBM SPSS Statistics 24

SPSS manuals

Székelyi Mária – Barna Ildikó: Túlélőkészlet az SPSS-hez. Budapest, Typotex 2002