

Course description
Data analysis by computer 1.

Code of the subject: JAIT101XX0

Name of the subject: Data analysis by computer 1.

Place of the course in the model-curriculum: 2nd 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: none

Parallel obligatory course: none

Aim of the course: getting the students familiar with the uni- and multivariate statistics; during the course the students get introduced to basics of computerized data analysis, the SPSS.

They will acquire methods for data base compiling, the operations to perform with the data, descriptive statistics and cross tables. Beyond the easy handling of the program, a major target of the course is to prepare the students to interpret the statistical results in the tables.

Syllabus:

The concept of a database, defining variables, data input, setting up frequency series; (2 classes)

Preparing frequency series, statistics, graphs, Insert New Text, descriptives partial correlation coefficient; (2 classes)

IT operations, compute, count; (2 classes)

Data operations. select cases, case summaries, preparing categorical variables; (2 classes)

Data operations, recode, automatic recode; (2 classes)

Revision, practice; (2 classes)

Minimal requirement in the test: data input, frequencies, central tendency; (2 óra)

File operations: joining, sorting, aggregating; (2 classes)

Two-dimensional crosstable compilation; (2 classes)

Multi-dimensional crosstable compilation; (2 classes)

Graphic representation; (2 classes)

Revision, practice; (2 classes)

Minimal requirement in the test: joining, 2 dimensional cross table interpretation; (2 classes)

Summary, discussing the typical mistakes; (2 classes)

End-term test. (2 classes)

Case studies; compulsory literature:

IBM SPSS Statistics 24

SPSS manuals

Dr. Ketskeméty László - Dr. Izsó Lajos az SPSS for Windows programrendszer alapjai SPSS Partner Bt. 1996.