Statistical softwares

Lecturers
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Course mnemonic
STAT-F413

ECTS credits
10 credits

Language(s) of instruction
English

Course period
Second term

Campus
Plaine

Course content

Study of the common characteristics of statistical software packages and specific characteristics of some of them selected for their quality or professional use. In the practice sessions, the students have to implement statistical studies using the packages learned, including statistical interpretation of the results.

Objectives (and/or specific learning outcomes)

This course provides an illustration of the statistical methods seen in other courses (experimental planning, regression, multivariate statistics) using several software packages.

Teaching method and learning activities

Face to face, plus practice and a personal project to be defended before a jury

References, bibliography and recommended reading

Bibliographical list in the course notes

Other information

Place(s) of teaching

Plaine

Contact(s)

For more details, see

https://maarten.jansen.web.ulb.be/teaching/STAT-F-413/index.html

Evaluation method(s)

Oral presentation, Project, Written report and Personal work

Evaluation method(s) (additional information)

Personal project to be defended before a jury on the basis of a written report. The statistical problem should be complex enough, use one or several statistical packages. Exploratory (graphical), experimental (analysis of variance or covariance) and not experimental (regression, principal components, ...) methods should be used.

Determination of the mark (including the weighting of partial marks)

The report and the presentation are the only exam activities. A detailed distribution of the quotation on several aspects (style, contents) is discussed in class (and available in the course material on line)

Main language(s) of evaluation

English

Other language(s) of evaluation, if applicable

French

Programmes

Programmes proposing this course at the faculty of Sciences

MA-STAT | **Master in Statistics : General** | finalité Research General/unit 2