

4.00 credits

25.0 h + 20.0 h

Q1

Teacher(s)	Marquet Jacques ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	<i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Main themes	The course comprises: 1. Introduction to research logic 2. Cross table analysis 3. Index construction 4. Introduction to classification analysis 5. Introduction to principal component factorial analysis.
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>The course and practical work are intended to help students acquire basic data analysis skills in the Social Sciences and constitute an introduction to multivariate analysis. By the end of this course, students should be able to: 1°/ specify the different types of problems-questions for which the methods studied in the course are relevant; 2°/ interpret the statistical analyses for which these methods apply; 3°/ make deliberate use of the principal instruments of descriptive statistics and statistical inferencing introduced during the Statistics and Elements of Probability course and which will be reviewed when the related SPSS commands are taught.</p>
Content	The course will be based on secondary analysis, using existing data. Initially, the course will introduce students to research logic, demonstrating the inherently constructed character of any type of data. The introduction will cover the following topics: the primacy of the initial research question, the hypothesis-concepts-indicators sequence, measuring levels and elements of sampling theory. The second part of the course concentrates, through problem-question solving activities, on variable construction and description and the interpretation of contingency tables used as a means of testing simple hypotheses. The third part of the course examines multivariate data analysis. This firstly involves showing the postulates underlying the methods under scrutiny, the limitations of their use, the questions that they make it possible to solve, and correct interpretation of the analyses. The course will emphasise dimensional se of

Programmes containing this learning unit (UE)