

5.0 credits	20.0 h + 30.0 h	1q
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Teacher(s) :	Stroobant Godelieve ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	<ol style="list-style-type: none"> 1. Reminder of the basic statistical tools and their application to survey data: average, standard deviation, variance, for continuous data; frequency distributions for nominal data 2. Bivariate analysis and association measures: correlation coefficient, simple regression, for continuous data; χ^2, relative risk, odds ratio, for nominal data; confidence intervals, statistical tests 3. Introducing a third variable : notion of interaction, confounder, crude and net effects 4. Multiple regression 5. Logistic regression.
Aims :	<p>Master the basic tools of multivariate analysis of survey data, and particularly dependency analyses: multiple regressions and logistic regression.</p> <p>Ability to understand and make use of scientific literature having recourse to these methods</p> <p>Acquiring autonomy in the use of a data analysis software</p> <p>Ability to select a strategy of data analysis related to a specific research question and to present and interpret the results.</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Other infos :	<p>A basic course in statistics or in quantitative methods is recommended</p> <p>Group work and oral examination.</p> <p>Course documents on Icampus</p> <p>Tutorials by a teaching assistant</p>
Cycle and year of study :	<p>> Master [120] in Education (shift schedule)</p> <p>> Master [60] in Sociology and Anthropology</p> <p>> Master [120] in Political Sciences: General</p> <p>> Master [120] in Sociology</p> <p>> Master [120] in Population and Development Studies</p>
Faculty or entity in charge:	PSAD