




In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

3 credits

15.0 h + 15.0 h

Q2

Teacher(s)	Schnor Christine ;
Language :	English
Place of the course	Louvain-la-Neuve
Main themes	<p>Database management and processing provides the foundations needed to gather, handle and analyze complex survey or census data with STATA.</p> <p>The course focuses on 7 themes:</p> <ol style="list-style-type: none"> <li>1. Introduction to Stata</li> <li>2. Variable management (generating and modifying variables, dealing with string variables)</li> <li>3. Data cleaning (dealing with missing data, duplicates, and date processing)</li> <li>4. Organizing and documenting scripts</li> <li>5. Data manipulation in subsets of data and across subgroups</li> <li>6. Combining or reshaping datasets</li> <li>7. Using loops and other tools to repeat commands over different files or segments of datasets</li> <li>8. Visualizations and maps</li> </ol>
Aims	<ol style="list-style-type: none"> <li>1. be enabled to prepare efficiently survey or census datasets for analysis ;</li> <li>-----</li> <li>2. handle survey and census data: clean the data, merge and reshape datasets, extract relevant information, apply functions over subset of the data, combine multiple datasets in one project ;</li> <li>-----</li> <li>3. use data visualizations (plots or maps) as tools to check the data.</li> <li>-----</li> </ol> <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>
Evaluation methods	<p><b>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</b></p> <p>The formal assessment takes the form of a written exam based on a specific survey dataset.</p>
Teaching methods	<p><b>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</b></p> <p>All lessons are a mix of a standard lecture and computer-based practical sessions based on real-life examples. The lectures provide the main concepts and tools, as well as basic knowledge required to do the exercises. Assignments are scheduled after each session to apply the procedures on datasets and verify the assimilation of concepts and tools. Corrections are offered at the beginning of each course.</p>
Faculty or entity in charge	PSAD

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Sociology	<a href="#">SOC2M</a>	3		
Master [120] in Population and Development Studies	<a href="#">SPED2M</a>	3		
Mineure en statistique et science des données	<a href="#">LOSTA100I</a>	3		
Advanced Master in Quantitative Methods in the Social Sciences	<a href="#">LMQS2MC</a>	5		