



Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

5 credits	30.0 h + 30.0 h	Q1
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Teacher(s)	Vanwambeke Sophie ;
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 covers the most usual statistical techniques used in geography: regression analysis; factor analysis; clustering; discrete data analysis; spatial statistics. Assignments lead to a basic knowledge of a statistical software (SAS).
Aims	<p>1 To introduce the principal statistical methods used in geography. To be able to use them in practice: choice of the method according to nature of the problem, implementation on a computer, interpretation and communication of the results; To be able to understand the statistical aspects most frequently met in the geographical literature.</p> <p>-----</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>
Evaluation methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Theory (60%) : contribution to class presentation and group discussion based on prepared reading (20%); written exam with access to the course notes allowed (20%); oral presentation of one or two articles that use methods studied in class (20%). Practicals (40%): exercices (20%) detailed case study (20%). The notes obtained for the contribution to class and to a detailed case study are attached to all exam session of the academic year.</p>
Teaching methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Lectures integrate elements of flipped classroom to be adapted yearly to the number of students registered, but generally based on student-led presentations of theory followed by group discussions of important points, and case studies relevant to the method at hand.</p>
Content	This is a course of intermediate level for which knowledge of basic statistics is assumed. Objectives: know and master the principal statistical analysis methods; use them correctly and in a relevant fashion in the practice of geography: choosing an appropriate method, applying it using a computer and software, interpret and communicate results, understand the most often encountered statistical features of case studies in the field of geography.
Inline resources	https://moodleucl.uclouvain.be/course/view.php?id=7445
Faculty or entity in charge	GEOG

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Minor in Geography	MINGEOG	5		
Bachelor in Geography : General	GEOG1BA	5	LBIO1283 AND LGEO1241	
Master [120] in History of Art and Archaeology : General	ARKE2M	5		