lclig2240
2019

Statistics for Linguistics

UCLouvain

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.

10 credits	30.0 h + 15.0 h	Q2

Teacher(s)	François Thomas ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	Data collection: descriptive and experimental methods, reliability and validity, sampling procedures. Descriptive statistics: definitions, graphical representation, numerical summaries. Using a statistical software Inferential statistics : main concepts. Basic statistical analyses and tests: frequency analysis (categorical data), testing hypotheses about means, correlation and regression, non parametric tests. Advanced statistical analyses and tests: interrater agreement measures, multivariate descriptive techniques, regression models for contingency tables, '.
Aims	1 At the end of the course, the student will be able to use the main statistical tools and concepts of quantitative linguistics. He will be able to choose appropriate methods for specific research objectives and to use it in the framework of linguistic research. Most of all, the student will be able to make a critical review of the results obtained by a quantitative analysis. He will also be trained to use a statistical analysis software. - - - - *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".*
Evaluation methods	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** The evaluation is three-fold : • continuous assessment (exercices during TP and readings) (30 %) • written examination (30 %) • personal written essay (40 %)
Teaching methods	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** Lectures + readings + practical works
Content	The organization of the course is twofold : 1. The first part of the course consists in a theoretical approach in the field of textual data statistical analysis introducing the main concepts in statistics (descriptive statistics, inference, and modeling). 2. The second part of the course will provide a practical approach of the field. It will give the students the opportunity to practice what he/she has learned in the theoretical introduction through a personal research project covering real linguistic data.
Bibliography	Field, A. (2013). Discovering statistics using IBM SPSS statistics. Sage. Howell, D. (2008). Méthodes statistiques en sciences humaines, Paris, De Boeck Université. Muller, Charles (1992). Initiation aux méthodes de la statistique linguistique, Champion. Rasinger, S.M. (2008). Quantitative Research in Linguistics. New York, Continuum International Publishing Group
Other infos	Support (available on Moodle) : • slides; • articles ou book chapters; • additional exercices.
Faculty or entity in charge	LING

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in French and Romance Languages and Literatures : French as a Foreign Language	FLE2M	10		🔍
Master [120] in Modern Languages and Literatures : German, Dutch and English	GERM2M	10		🔍
Master [120] in Ancient and Modern Languages and Literatures	LAFR2M	10		🔍
Master [120] in Linguistics	LING2M	10		🔍
Master [120] in Modern Languages and Literatures : General	ROGE2M	10		🔍