



Faculté des sciences économiques,  
sociales et politiques

ESPO

DEMO3544 **Multivariate analysis II applied to demography and social sciences**

[20h] 3 credits

**Teacher(s):** Godelieve Stroobant  
**Language:** french  
**Level:** 3rd cycle course

### Aims

An understanding of, and practice in, methods of multivariate analysis of socio-demographic survey data.

### Main themes

A presentation (hypotheses, the basic model, and the scope and nature of the results produced) of features such as logistic progressions, survival analyses, the factorial analysis of multiple correspondences, and multi-level analysis.

### Content and teaching methods

The course mainly provides training in a form of data analysis that stresses practical aspects. Concrete applications to survey data will be carried out in the context of practical work (Course DEMO 3588).

A presentation of tools and the interpretation of results.

### Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Assessment: This will be based on individual work, together with the analysis of a research topic to be selected by the student.  
 Pre-requirement: Course DEMO 3432 ("Multivariate analysis I applied to demography and social sciences").

### Other credits in programs

DEMO3DA	Diplôme d'études approfondies en démographie	(3 credits)	Mandatory
---------	--	-------------	-----------