Faculty of Economic, Social and Political Sciences

SEAG2120 Statistics applied to enterprises

[45h+15h exercises] 6 credits

Teacher(s):	Bernadette Govaerts, Marie-Paule Kestemont
Language:	French
Level:	Second cycle

Aims

This is an extension of Course SESP 1216 ("Statistical analysis"), and aims to apply statistical methods to problems of administration and management.

Content and teaching methods

Content
0. (Review) An analysis of decision-making in a context of uncertainty/statistical inference: point estimation and estimation by confidence belt, and test hypotheses.
1. Analysis of variance.
2. Introduction to econometrics (multiple regression, colinearity, analysis of residues, and non-linear models).
3. Non-parametric methods, adjustment tests and independence tests.
4. Analysis of chronological series.
5. Planning sampling.

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

Pre-requirements: "Introduction to infinitesimal calculus" (Course SESP 1112 or SESP 1210). "Matrix calculus" (SESP 1211), "Advanced mathematics" (SESP 1213) and "Statistical analysis" (SESP 1216).

Other credits in programs

ECAP21	Première licence en sciences de gestion	(5.5 credits)	Mandatory