



APPLIES TO ACADEMIC YEAR 2006/2007

GRA 6663 Multilevel Analysis

Program

Master of Science in Business and Economics, Master of Science in Management, Specialization Course

Responsible for the course

Ulf Henning Olsson

Department

Economics

Term

According to study plan

ECTS Credits

6

The term "multilevel" refers to a hierarchical or nested data structure, usual individuals within organizational groups or individuals within clusters as in cluster sampling. We will present the multilevel regression model and a model for multilevel covariance structures.

Objective

Prerequisites

Multivariate statistics

Compulsory literature

Books:

Bollen, Kenneth A. and Patrick J. Curran. 2006. Latent curve models : a structural equation perspective. Hoboken, N.J. : Wiley-Interscience. 400
Hox, Joop. 2002. Multilevel analysis : techniques and applications. Mahwah, N.J. : Lawrence Erlbaum Associates

Recommended literature

Books:

Heck, Roland H. and Scott L. Thomas. 2000. An introduction to multilevel modeling techniques. Mahwah, NJ: Lawrence Erlbaum Associates

Course outline

Introduction to multilevel analysis
The two-level regression model
Multivariate multilevel regression models
Multilevel factor models
Latent curve models

Computer-based tools

Lisrel or HLM, Blackboard/homepage

Course structure

Lectures and exercises. 36 hours

Evaluation

Termpaper

Evaluation code(s)

GRA66631 accounts for 100 % of the final grade in the course GRA 6663.

Aids at the examination

Not applicable

Makeup exam

Re-takes are only possible at the next time a course will be held. When course evaluation consists of class participation or process elements, the whole course must be re-evaluated when a student wants to retake an exam. Retake examinations entail an extra examination fee.

Honor Code

Academic honesty and trust are important to all of us as individuals, and they are encouraged and promoted by the honor system. This is a most significant university tradition. The honor system is the responsibility of students. As faculty, we share the commitment to the ideals of the honor system.

At no time should notes or papers or personal consultations based on previous semesters of this course be used. As part of the honor code papers handed in as part of the course is, at the discretion of the professor, scanned for plagiarism. We are using Safe Assignment in Black Board for this purpose. Any violation of the honor code will be dealt with in accordance with BI's procedures on cheating. These issues are a serious matter to everyone associated with the program. They are at the heart of the Honor Code and academic integrity. If you have any questions about your responsibilities under the honor code, please ask.