



APPLIES TO ACADEMIC YEAR 2004/2005

GRA 6663 Multilevel Analysis

Program

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

Responsible for the course

Ulf Henning Olsson

Department

Economics

Term

According to study plan

ECTS Credits

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

Hox, Joop. 2002. *Multilevel analysis: Techniques and applications*. Mahwah, NJ: Lawrence Erlbaum Associates.

Recommended literature

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

Term paper

Evaluation code(s)

GRA66631 (100%)

Aids at the examination

Not applicable

Makeup exam

Next time the course is offered

