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European Association of Work
and Organizational Psychology

Introduction to Multilevel Modeling using SPSS (Day-long Workshop)

Chris Stride



Target Audience: This course is aimed at two distinct groups. It is primarily designed as a beginners' course in multi-level modelling (AKA Hierarchical Linear Modelling), for those who face the challenge of working with multi-level data sets and want to be able to analyse them in the most powerful and accurate way. However it should also appeal to those with a little experience of multi-level modelling using other specialist packages who now want to learn how to run such models in SPSS using the MIXED MODELS menu and commands.

Pre-Requisites: A reasonable working knowledge of multiple regression and some previous experience of using SPSS to perform statistical analysis is expected. No previous experience of multi-level modelling will be assumed.

The Course Will Cover:

- Multi-level data - what it is and why it requires special treatment
- Restructuring data in preparation for multi-level modelling
- What is a multi-level model?
- Building and fitting a multi-level model in SPSS
- Further issues in multi-level modelling: centering, sample size and scaling
- Analysing longitudinal data using multi-level modelling

The course comprises of a mixture of short lectures on the basic theory behind multi-level models, teaching via examples worked through on real data sets, and exercises to practice the skills just learned. You will also receive a 70-page coursebook containing the notes and worked examples.

Important Note: This course requires you to bring your own laptop with SPSS installed - any version from v15 onwards will do.