

Display models using subscripts

A HLM model can be displayed with complete subscripts for all coefficients present in the model as shown below. Note that subscripts are also included in the formulate of the mixed mode.

WHLM: hlm2 MDM File: hsb.mdm Command File: hsb1.mlm

File Basic Settings Other Settings Run Analysis Help

Outcomc

>> Level-1 <<

Level-2

INTRCPT1
MINORITY
FEMALE
SES
MATHACH

LEVEL 1 MODEL

$$\text{MATHACH}_{ij} = \beta_{0j} + \beta_{1j}(\text{SESES}_{ij} - \overline{\text{SESES}}_j) + r_{ij}$$

LEVEL 2 MODEL

$$\beta_{0j} = \gamma_{00} + \gamma_{01}(\text{SECTOR}_j) + \gamma_{02}(\text{MEANSES}_j) + u_{0j}$$

$$\beta_{1j} = \gamma_{10} + \gamma_{11}(\text{SECTOR}_j) + \gamma_{12}(\text{MEANSES}_j) + u_{1j}$$

Mixed

Mixed Model

$$\text{MATHACH}_{ij} = \gamma_{00} + \gamma_{01} * \text{SECTOR}_j + \gamma_{02} * \text{MEANSES}_j + \gamma_{10} * (\text{SESES}_{ij} - \overline{\text{SESES}}_j) + \gamma_{11} * \text{SECTOR}_j * (\text{SESES}_{ij} - \overline{\text{SESES}}_j) + \gamma_{12} * \text{MEANSES}_j * (\text{SESES}_{ij} - \overline{\text{SESES}}_j) + u_{0j} + u_{1j} * (\text{SESES}_j - \overline{\text{SESES}}_j) + r_{ij}$$

By using the **Preferences** dialog box accessible via the **File** menu. The model with subscripts for all coefficients can be displayed automatically. The model can also be saved as an EMF file for later use in reports or papers.

Preferences

type of non-ASCII data

SAS

SPSS

Stata

SYSTAT

other non-ASCII

Colors

Choose foreground color

Choose background color

OK

Show Mixed Model

Use level subscripts

Create Graph Files