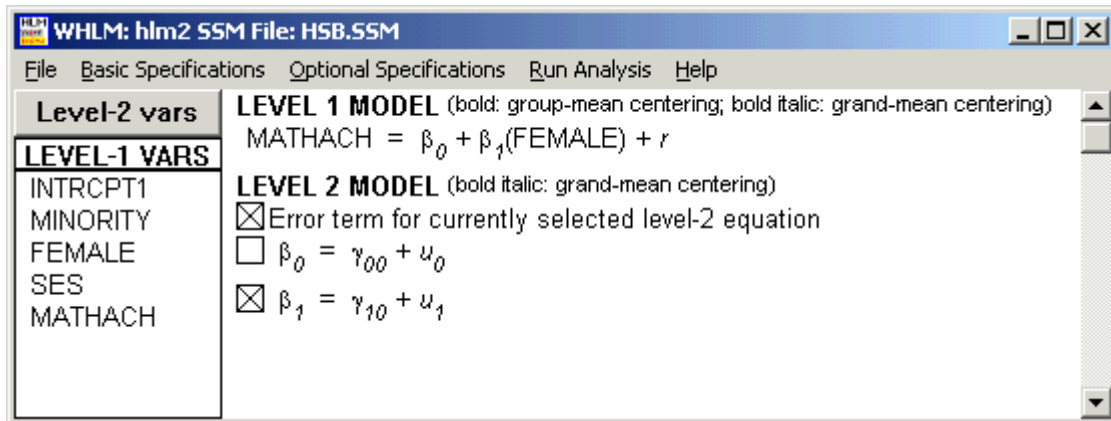


## Model specification in HLM 6

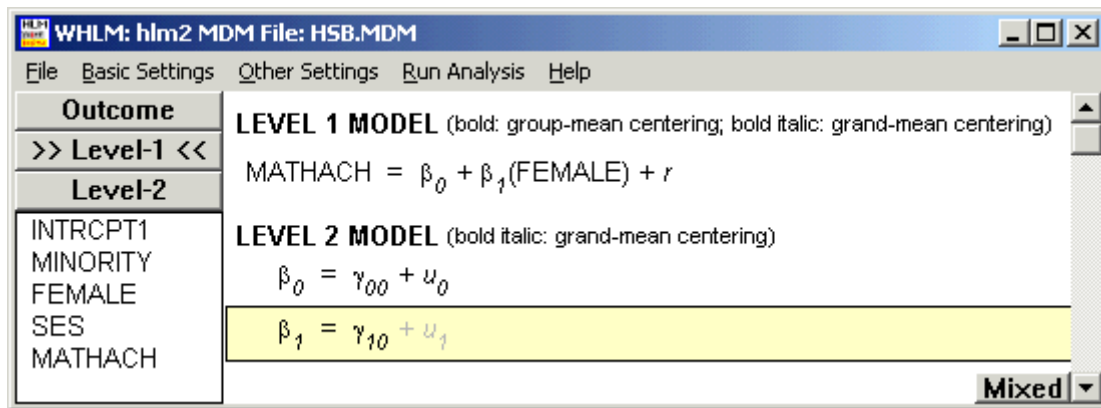
In HLM 5, the inclusion of a predictor at any level led to the automatic inclusion of both a fixed and random effect for the predictor at the next level of the model. For example, the inclusion of the predictor FEMALE in the two-level model shown below led to the inclusion of the equation

$$\hat{A}_1 = \gamma_{10} + u_1$$

in the model.



In HLM6, only the intercept is automatically assumed to vary randomly at the next level of the hierarchy, and the inclusion of the predictor FEMALE will lead to the model specification



with slope specification  $\hat{A}_1 = \gamma_{10}$ . To specify the same model with HLM 6 as was done in HLM 5, click on the  $\hat{A}_1 = \gamma_{10}$  equation to select it, and then on the term  $u_1$  to activate it.