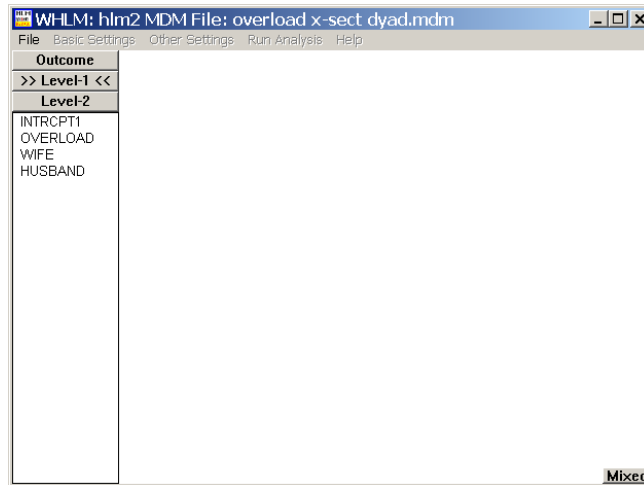
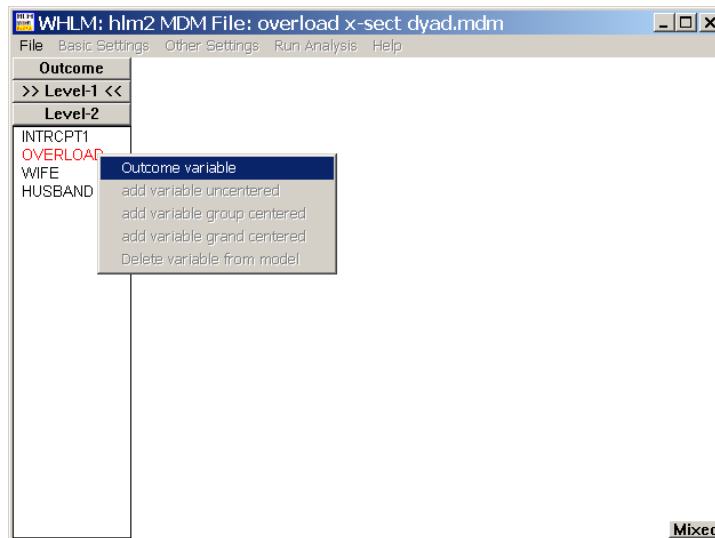


Building Cross-sectional Dyadic Models in HLM 6

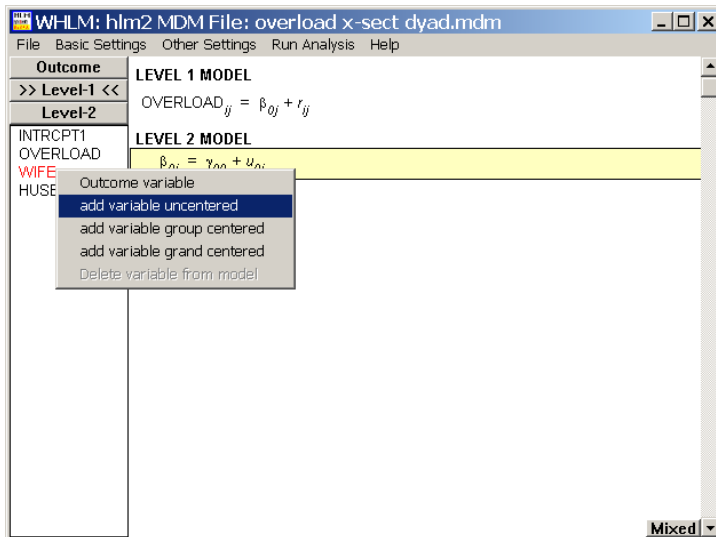
1. After making your .mdm file, you will see the following screen.



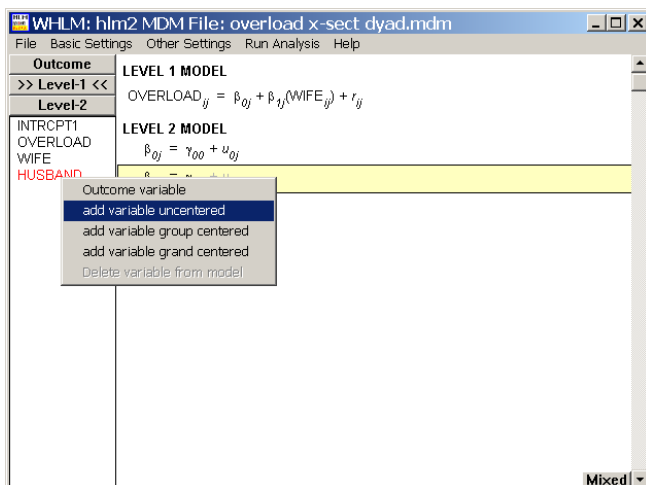
2. First, enter the outcome variable, “overload,” by clicking on your outcome variable and selecting “outcome variable.”



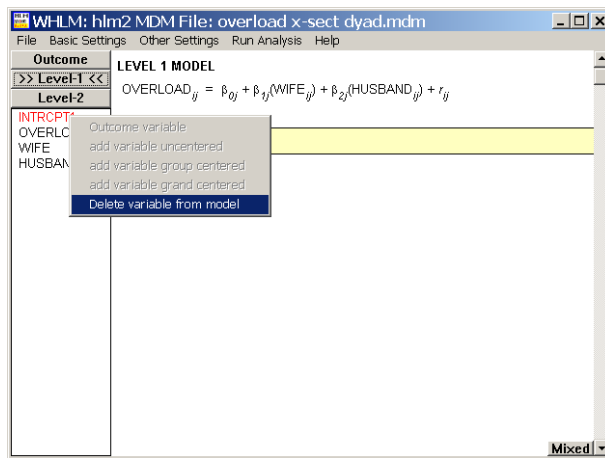
3. Select “WIFE” and enter the wife dummy variable “uncentered” (since it already has a meaningful zero) to create the wife intercept.



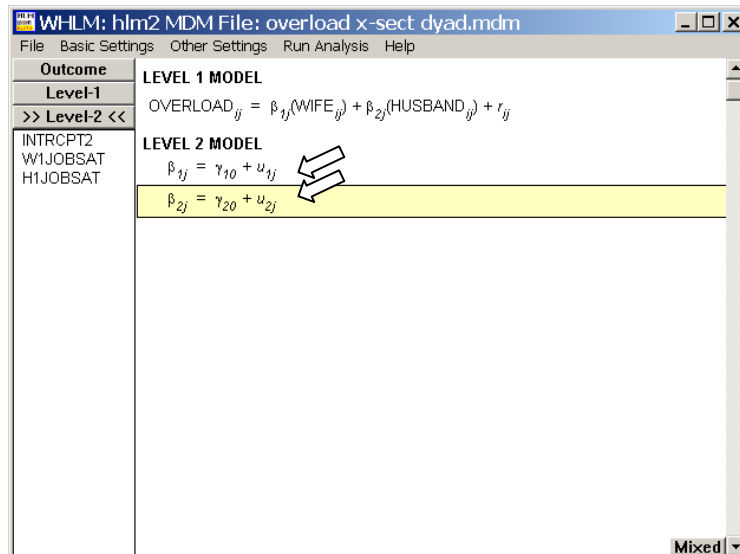
4. Select “HUSBAND” and enter the husband dummy variable “uncentered” to create the husband intercept.



5. Now that you have entered separate intercepts for husbands and wives, you must remove the shared intercept. To remove the shared intercept from the model, click on “INTRCPT1” and choose “delete variable from model.”



- To model variance at Level 2, you must add the u_{1j} and u_{2j} into the model by clicking on them once, so that they are no longer grayed out.

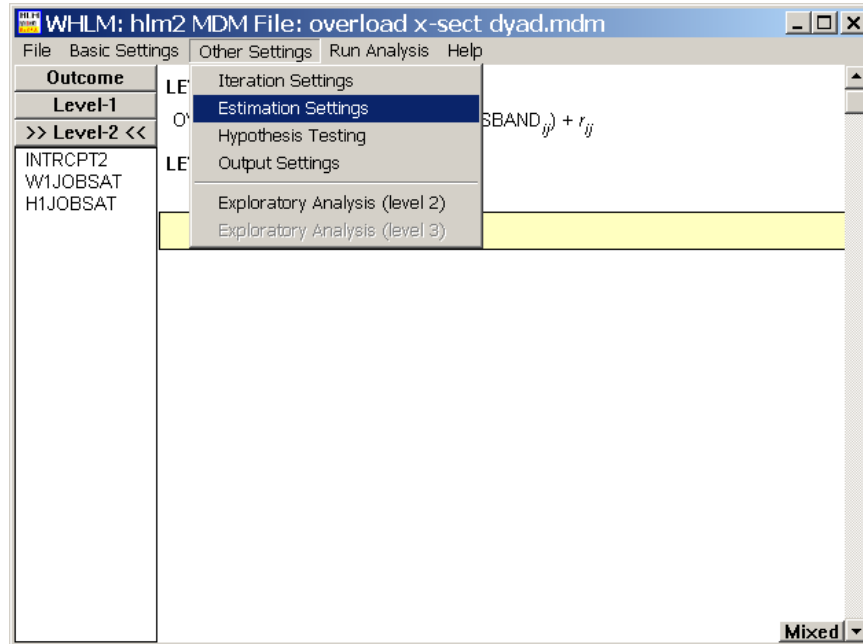


Note: If you are creating a longitudinal model, you add time variables into the equation in the same way. (Remember to enter them “uncentered,” since you have already given them a meaningful zero, by centering them outside of HLM.)

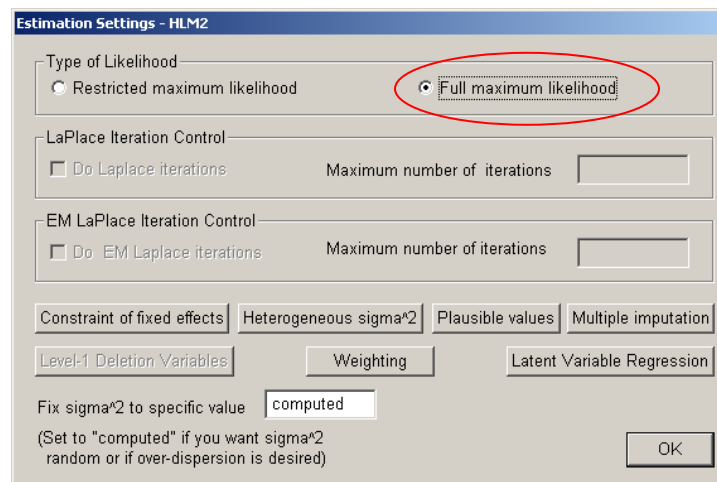
Before running your model, you need to will need to change the default estimation setting, so that your output will match that from the presentation.

Changing from Restricted to Full Maximum Likelihood

1. Go back to the “Other Settings” menu and select “Estimation Settings.”

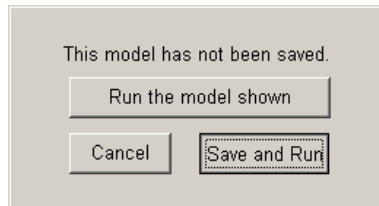


2. Under “Type of Likelihood,” select “Full maximum likelihood.”

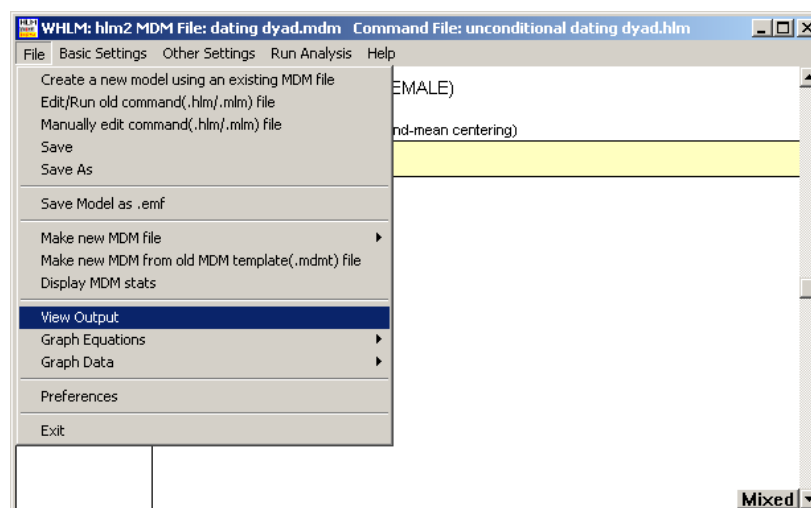


Running Your Model

1. To have the program run the model, go to the menu bar and click on “Run Analysis.”
2. Select “Save and Run.”



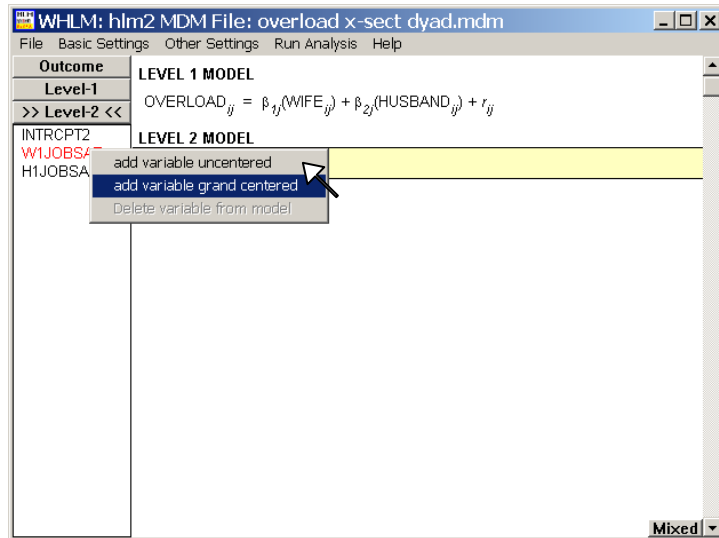
3. Title your model and select “Save.”
4. You will see a black screen with white type listing the iterations. When it is through running the model, it disappears.
5. In order to see the results, you must go back to the “File” menu and select “View Output.”



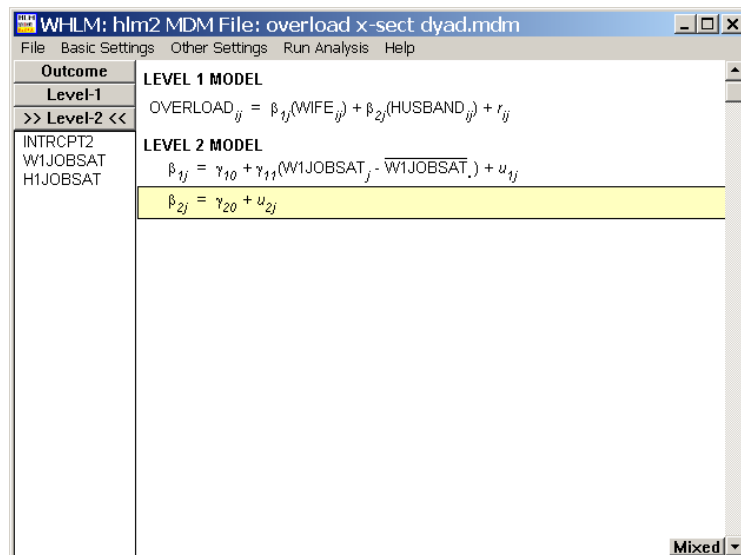
6. The output is shown as a text file. Give it a meaningful title (such as “unconditional HLM overload dyad.txt”) and save it.

Adding Predictors

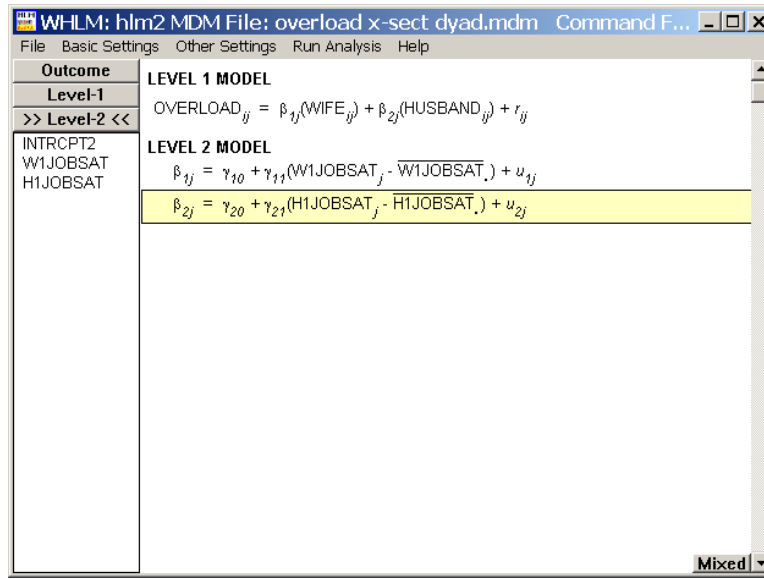
1. Click on your first Level-2 equation, which will turn it yellow. Then click on the predictor you want to enter, “w1jobsat” (wife’s time 1 job satisfaction), and select “add variable grand centered.”



2. Make sure that your Level 2 variables are in the column to the left. If they are not, click on the gray box above that list that says “Level 2”.
3. Select your second equation and add “h1jobsat” for husbands.

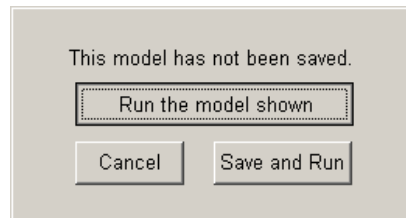


4. Your final model should look like this

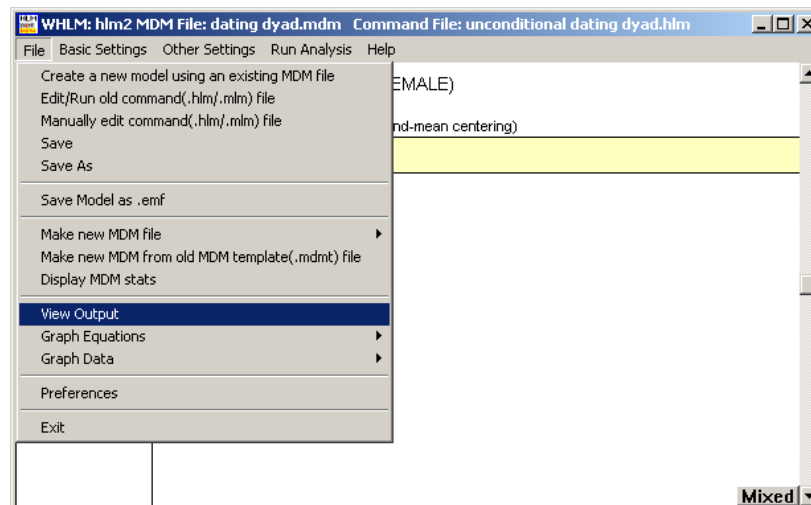


5. Go to the menu bar and click on “Run Analysis.”

6. Choose “Run the model shown.”

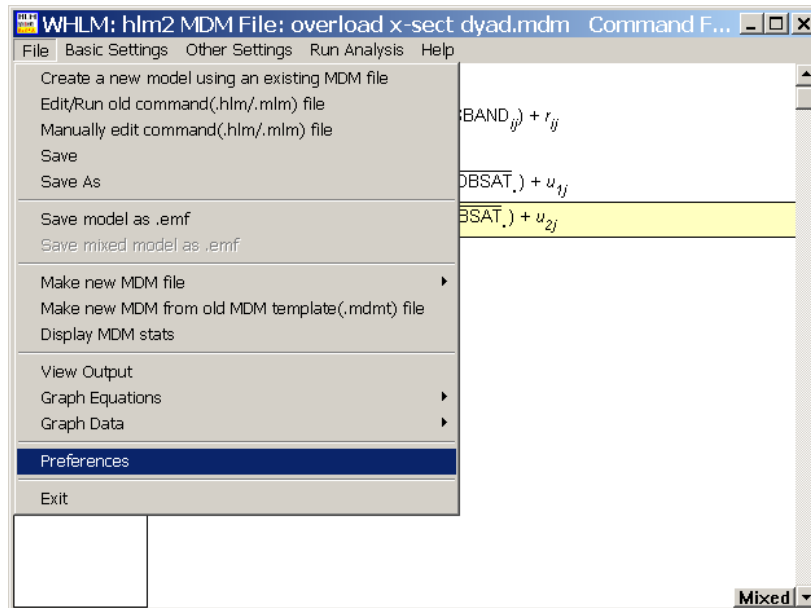


7. Go to “File” in the menu bar and select “View Output”

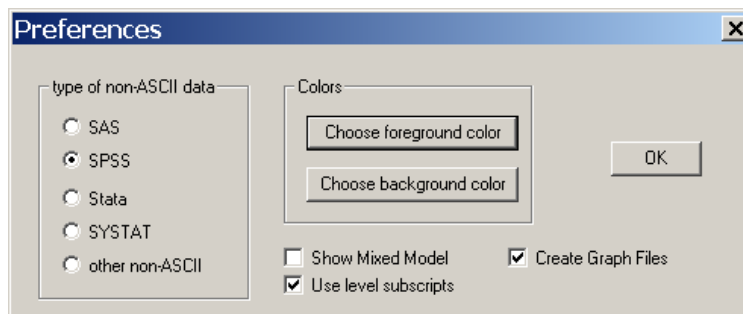


Preferences

If you wish to change how the model looks or view the mixed model, you can adjust the setting by going to the “File” menu and selecting “Preferences”



Deselecting “Use level subscripts” will eliminate subscripts, and make the models match those in the presentation slides.



Selecting “Show Mixed Model” will provide the mixed model representation as well as the hierarchical two-level model.