

Amos User's Guide Part III

Judith Bass (2002), edited (2006)

There are a few things that we haven't covered in AMOS that will help with Homework #2, but most of what is covered in the other USER GUIDES will be all you need to know.

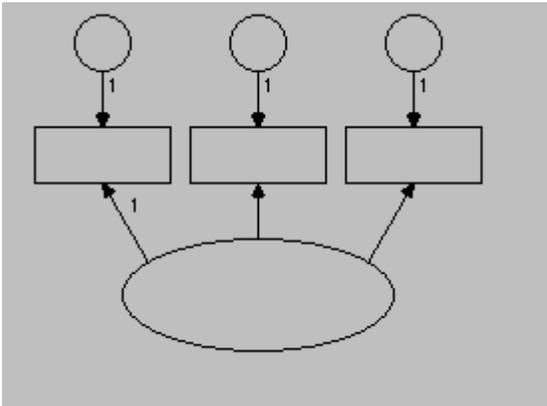
CREATING LATENT VARIABLES

First, there is a very easy way to create latent variables without having to create each circle, square and arrow.

First – draw the circle to indicate a latent variable.



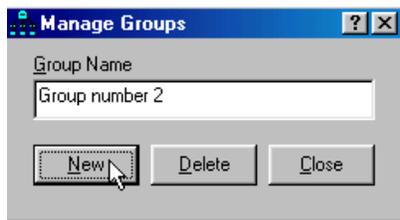
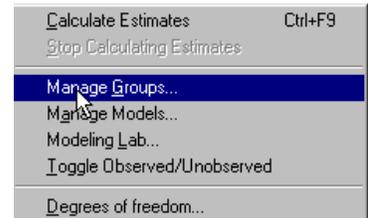
Then – select this button and click on the circle to create a latent variable with one indicator. If you click on the circle multiple times, you will get a latent variable with multiple indicators:



Notice that this method automatically set one of the paths = 1.00. If you want, you can change that and set the variance of the latent variable to 1 – whichever method you prefer to constrain the latent variable is fine.

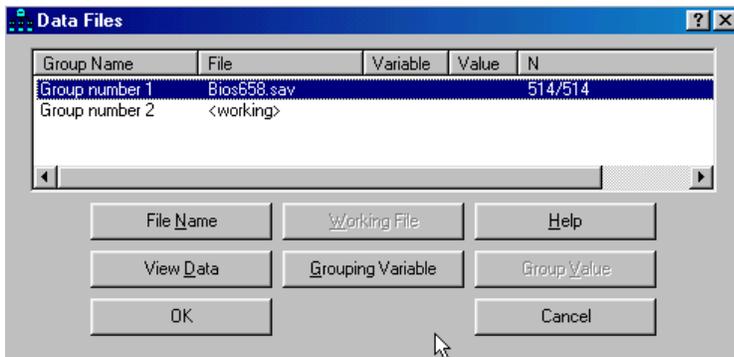
Creating Groups for Stratified Analysis

First – go to Model Fit and select Manage Groups:



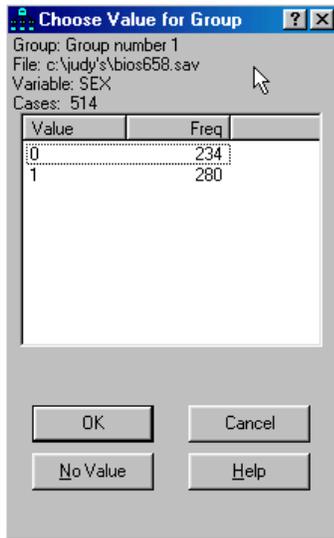
Choose create a new group and give it a name:

Go back to the main screen and choose the button that allows you to select your data:



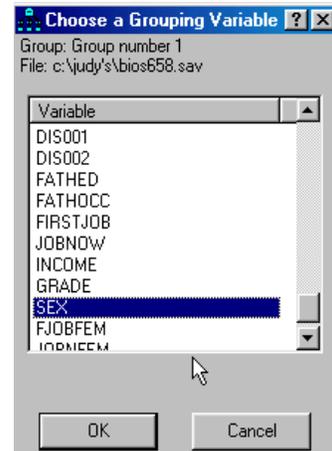
This is the screen where you selected your data, now with two groups:

Go to the grouping variable option and choose the variable you want to group by and hit ok:



Then choose the Group Value option and choose one of the values:

For the second group, repeat the procedure for the other value of the SEX variable.



When you are back at the full AMOS screen, you will see both of your groups on the right side of the screen:

Using these the multiple model comparison procedures you used for the previous homework, you can run several models stratified by gender to see if there are differences in the direct and indirect effects and/or differences in correlations between the variables.

