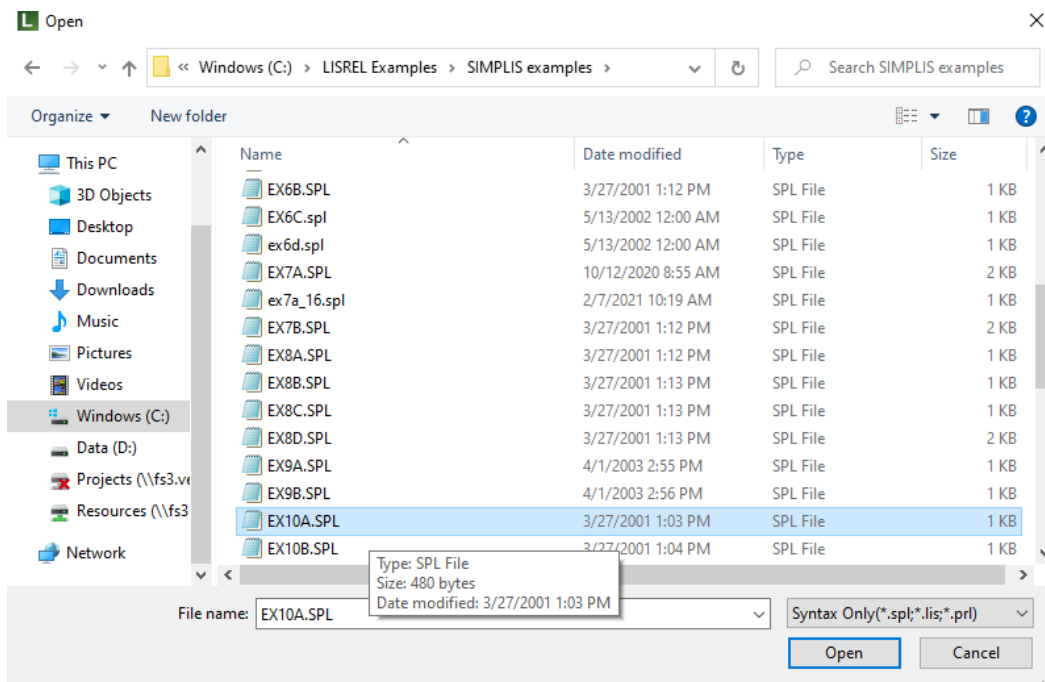
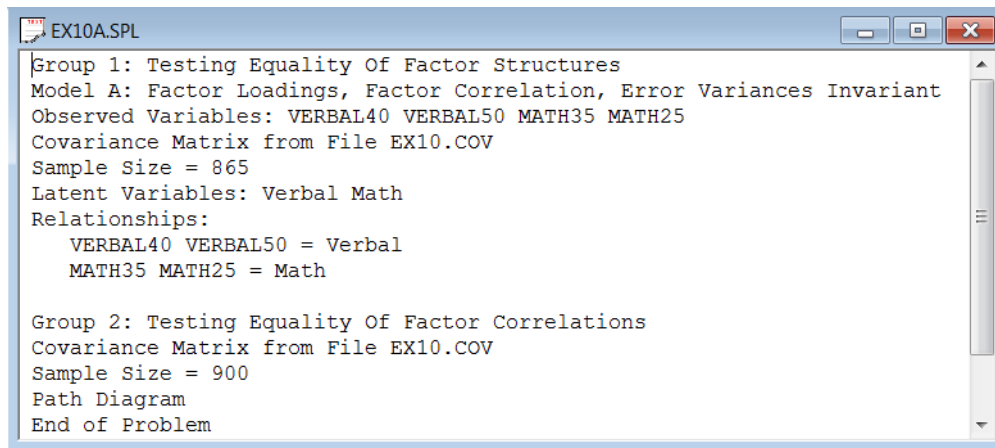


## Using existing SIMPLIS syntax

To run a SIMPLIS example, select the **Open** option from the **File** menu to obtain the **Open** dialog box. Select (for example) **ex10a.spl** from the **SIMPLIS examples** folder. Click **Open** when done.



Click the **Run LISREL** icon button to run **ex10a.spl**. Alternatively, use the **File, Run LISREL** option.

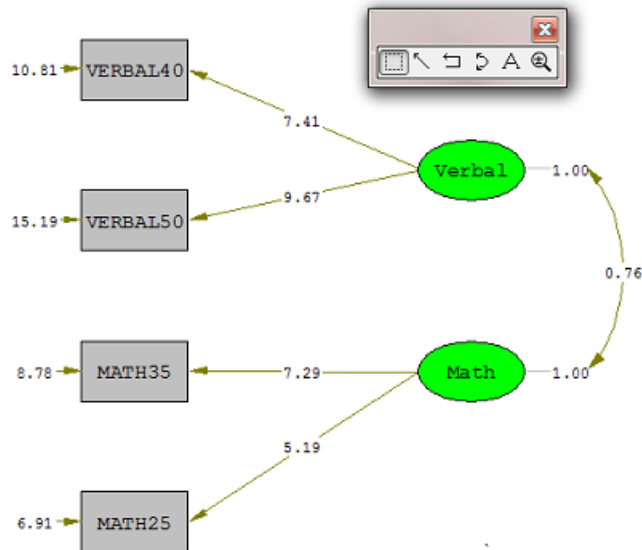


```

EX10A.SPL
Group 1: Testing Equality Of Factor Structures
Model A: Factor Loadings, Factor Correlation, Error Variances Invariant
Observed Variables: VERBAL40 VERBAL50 MATH35 MATH25
Covariance Matrix from File EX10.COV
Sample Size = 865
Latent Variables: Verbal Math
Relationships:
  VERBAL40 VERBAL50 = Verbal
  MATH35 MATH25 = Math

Group 2: Testing Equality Of Factor Correlations
Covariance Matrix from File EX10.COV
Sample Size = 900
Path Diagram
End of Problem
  
```

Note that a path diagram is obtained by entering the command "Path Diagram" in the file **ex10a.spl**, just below the line Sample Size = 900 as shown above. The path diagram is displayed in the path diagram window.



Chi-Square=33.78, df=11, P-value=0.00039, RMSEA=0.048

A text editor window is also opened. A selection of the output contained in **ex10a.out** is displayed below.

```

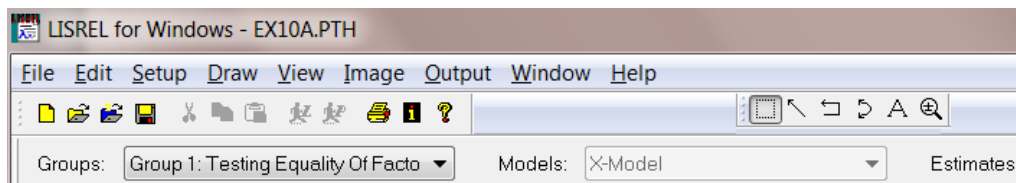
EX10A.OUT
VERBAL40 = 7.41*Verbal, Errorvar.= 10.81, R^2 = 0.84
Standerr (0.16) (0.85)
Z-values 47.41 12.66
P-values 0.000 0.000

VERBAL50 = 9.67*Verbal, Errorvar.= 15.19, R^2 = 0.86
Standerr (0.20) (1.41)
Z-values 48.49 10.75
P-values 0.000 0.000

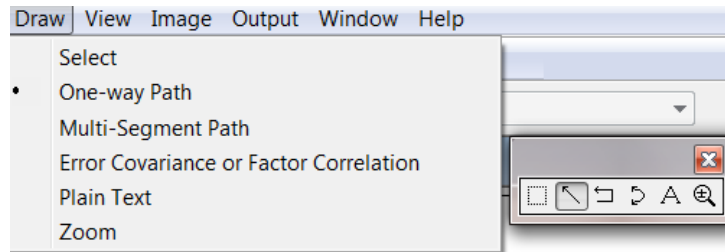
MATH35 = 7.29*Math, Errorvar.= 8.78 , R^2 = 0.86
Standerr (0.15) (0.86)
Z-values 47.95 10.22
P-values 0.000 0.000

```

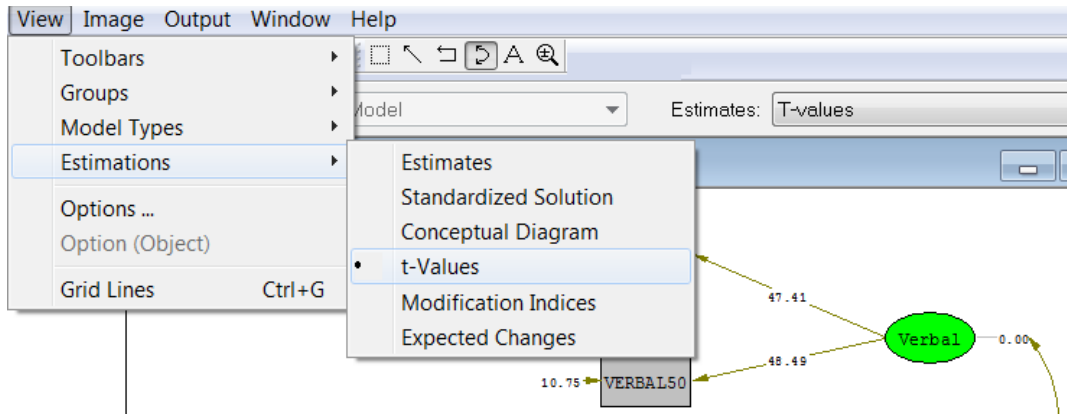
Once a path diagram is produced, the LISREL menu bar will display a different selection of options, as shown next.



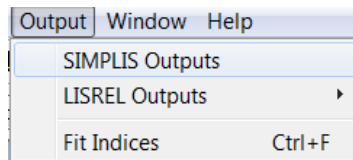
After a path diagram has been obtained, one may select the **Draw** menu to add paths, change text, etc. The items on this menu correspond to the **Draw** toolbox displayed next to it on the window shown below.



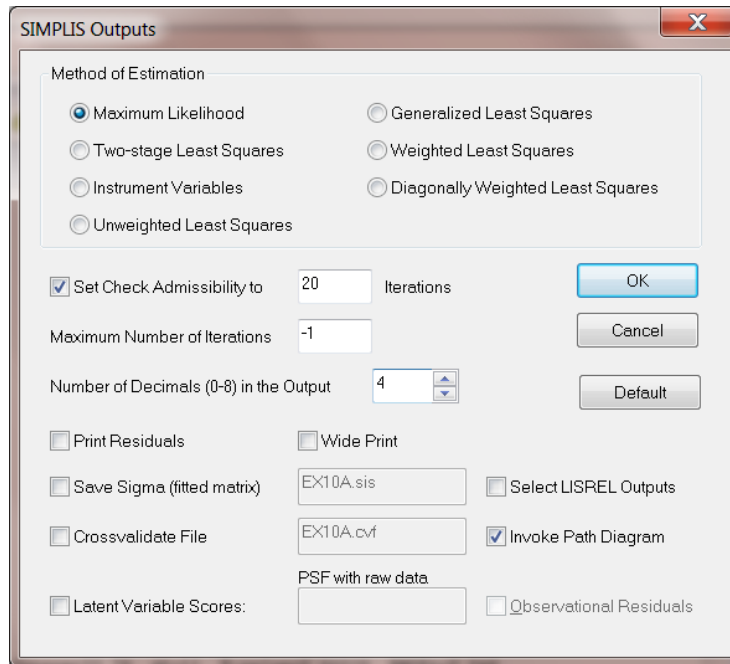
The default values shown on the path diagram are the parameter estimates. By selecting the **Estimations** option from the **View** menu, one may alternatively select the t-values, modification indices, etc.



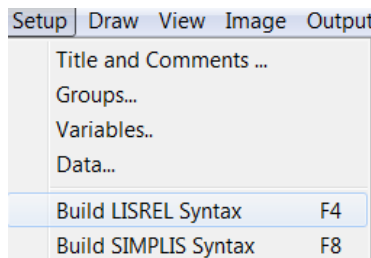
One may change the number of decimals displayed in the path diagram by selecting **SIMPLIS outputs** from the **Output** menu. On the dialog box displayed, change the number of decimals from the default value of 2.



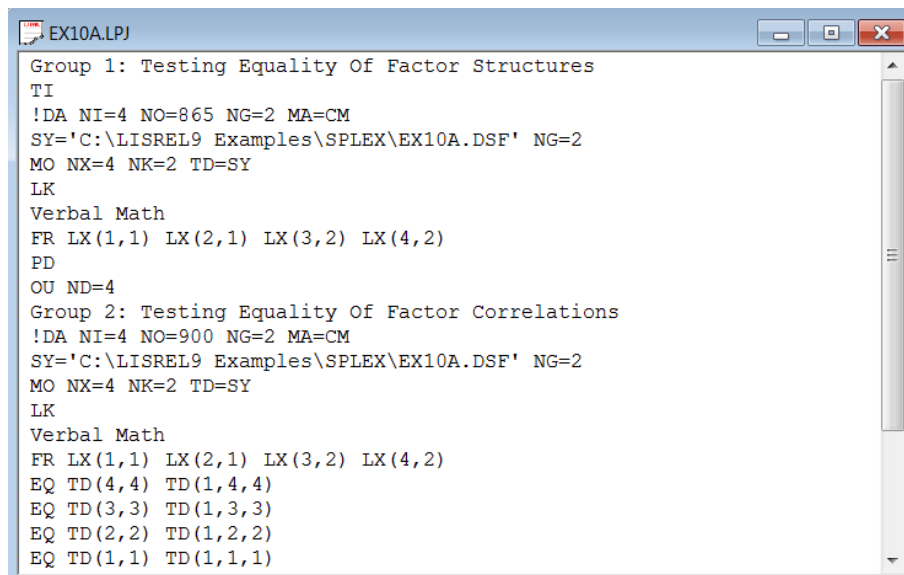
The SIMPLIS **Outputs** dialog box is shown below:



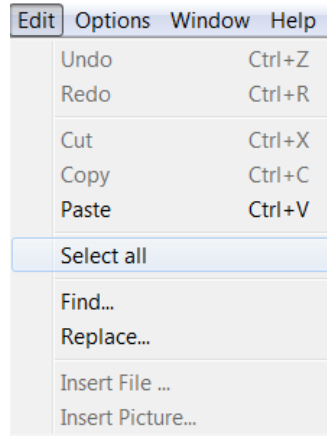
The LISREL syntax that corresponds to the SIMPLIS command language in **ex10a.spl** may be built from the path diagram. To do so, select the **Setup, Build LISREL Syntax** option as shown in the next image.



A LISREL project file (**ex10a.lpj**) is produced, containing the corresponding LISREL syntax, as shown below.



While the output file is opened, one may use the **Edit** menu to perform various operations such as finding a keyword (**Find**), replacing text (**Replace**), inserting files (**Insert File**), etc.



When output is displayed, one may also use the **Options** menu to change the font type and size of the text.