Announcing Stata 12

Now with structural equation modeling (SEM)

Enter your models graphically

or use the command syntax

\[ \text{sem (L1 -> m1 m2) (L2 -> m3 m4) (L3 <-> m1 L2) (L3 -> m5 m6 m7)} \]

It's the same model either way.

Complete implementation—Standardized and unstandardized estimates. Modification indices. Direct and indirect effects. Factor loadings. Score tests. Wald tests. Factor scores and other predictions. Goodness of fit. Robust standard errors. Clustered or correlated data. Estimation with groups and tests for invariance. Estimation by maximum likelihood (ML), asymptotic distribution free (ADF), or full information maximum likelihood (FIML) for missing data.

Fully integrated—There are no separate modules to buy and fumble between, and all statistical features (predicted values, tests of linear and nonlinear combinations specified in natural algebraic language, likelihood ratio tests, and more) are available after SEM just as they are available after the other 128 estimators. All means all. Estimate on one dataset, form predicted values in another.

Features no one else (yet) has—Such as estimation of models using survey data from complex sampling designs.


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