

estat sd — Display variance components as standard deviations and correlations

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Description

`estat sd` displays the fitted variance components as standard deviations and correlations.

Menu

Statistics > SEM (structural equation modeling) > Other > Display standard deviations and correlations

Syntax

```
estat sd [ , verbose post coeflegend ]
```

Options

`verbose` specifies that the full estimation table be displayed. By default, only the variance components are displayed. This option is implied when `post` is specified.

`post` causes `estat sd` to behave like a Stata estimation (e-class) command. `estat sd` posts the vector of calculated standard deviation and correlation parameters along with the corresponding variance–covariance matrix to `e()`, so that you can treat the estimated parameters just as you would results from any other estimation command. For example, you could use `test` to perform simultaneous tests of hypotheses on the parameters, or you could use `lincom` to create linear combinations.

The following option is not shown in the dialog box:

`coeflegend` specifies that the legend of the coefficients and how to specify them in an expression be displayed rather than displaying the statistics for the coefficients.

Remarks and examples

stata.com

See [\[SEM\] example 31g](#).

Stored results

`estat sd` stores the following in `r()`:

Matrices

`r(b)`

`r(V)`

coefficient vector

variance–covariance matrix of the estimators

If `post` is specified, `estat sd` stores the following in `e()`:

Matrices

`e(b)`

coefficient vector

`e(V)`

variance–covariance matrix of the estimators

Also see

[SEM] [example 31g](#) — Two-factor measurement model (generalized response)

[SEM] [gsem postestimation](#) — Postestimation tools for `gsem`