

Description

`estat ggof` is for use after estimation with `sem`, `group()`.

`estat ggof` displays, by group, the standardized root mean squared residual (SRMR), the coefficient of determination (CD), and the model versus saturated χ^2 along with its associated degrees of freedom and p -value.

Menu

Statistics > SEM (structural equation modeling) > Group statistics > Group-level goodness of fit

Syntax

```
estat ggof [ , format(%fmt) ]
```

`collect` is allowed; see [U] 11.1.10 Prefix commands.

Option

`format(%fmt)` specifies the display format. The default is `format(%9.3f)`.

Remarks and examples

See [SEM] Example 21.

`estat ggof` provides group-level goodness-of-fit statistics after estimation by `sem`, `group()`; see [SEM] [sem group options](#).

The SRMR, CD, and χ^2 statistics are not computed for models fit by `gsem`; therefore, `estat ggof` is not for use after estimation with `gsem`, `group()`.

Stored results

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

Scalars

`r(N_groups)` number of groups

Matrices

`r(gfit)` fit statistics

`r(gfit_sb)` Satorra–Bentler scaled fit statistics

Also see

- [SEM] [sem](#) — Structural equation model estimation command
- [SEM] [sem postestimation](#) — Postestimation tools for sem
- [SEM] [estat eqgof](#) — Equation-level goodness-of-fit statistics
- [SEM] [estat gof](#) — Goodness-of-fit statistics

- [SEM] [Example 21](#) — Group-level goodness of fit
- [SEM] [Methods and formulas for sem](#) — Methods and formulas for sem
- [SEM] [sem group options](#) — Fitting models on different groups

Stata, Stata Press, and Mata are registered trademarks of StataCorp LLC. Stata and Stata Press are registered trademarks with the World Intellectual Property Organization of the United Nations. StataNow and NetCourseNow are trademarks of StataCorp LLC. Other brand and product names are registered trademarks or trademarks of their respective companies. Copyright © 1985–2025 StataCorp LLC, College Station, TX, USA. All rights reserved.

For suggested citations, see the FAQ on [citing Stata documentation](#).

