

**estat ggof** — Group-level goodness-of-fit statistics

|                                      |                                |                          |                        |
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## 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  $\chi^2$  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  $\chi^2$  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_ssb)`        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

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