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

## Syntax

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

## Menu

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

## 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.

## 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.

## Stored results

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

- **Scalars**
  - `r(N_groups)` number of groups
- **Matrices**
  - `r(gfit)` fit statistics

## Also see

[SEM] example 21 — Group-level goodness of fit
[SEM] sem group options — Fitting models on different groups
[SEM] **estat gof** — Goodness-of-fit statistics

[SEM] **estat eqgof** — Equation-level goodness-of-fit statistics

[SEM] **methods and formulas for sem** — Methods and formulas for sem

[SEM] **sem postestimation** — Postestimation tools for sem