### 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)]
```

### 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()`:

<table>
<thead>
<tr>
<th>Class</th>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scalars</td>
<td>r(N_groups)</td>
<td>number of groups</td>
</tr>
<tr>
<td>Matrices</td>
<td>r(gfit)</td>
<td>fit statistics</td>
</tr>
<tr>
<td>Matrices</td>
<td>r(gfit_sb)</td>
<td>Satorra–Bentler scaled fit statistics</td>
</tr>
</tbody>
</table>
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