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

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
- $r(gfit\_sb)$: Satorra–Bentler scaled fit statistics
Also see

- **sem** — Structural equation model estimation command
- **sem postestimation** — Postestimation tools for sem
- **estat eqgof** — Equation-level goodness-of-fit statistics
- **estat gof** — Goodness-of-fit statistics
- **Example 21** — Group-level goodness of fit
- **Methods and formulas for sem** — Methods and formulas for sem
- **sem group options** — Fitting models on different groups