estat eform — Display exponentiated coefficients

Description

estat eform is for use after gsem but not sem.

gsem reports coefficients. You can obtain exponentiated coefficients and their standard errors by using estat eform after estimation to redisplay results.

Menu

Statistics > SEM (structural equation modeling) > Other > Display exponentiated coefficients

Syntax

estat eform [eqnamelist] [ , level(#) display_options ]

where eqnamelist is a list of equation names. In gsem, equation names correspond to the names of the response variables. If no eqnamelist is specified, exponentiated results for the first equation are shown.

Options

level(#) ; see [R] Estimation options; default is level(95).

display_options control the display of factor variables and more. Allowed display_options are noci, nopvalues, nomitted, vsquish, noemptycells, baselevels, allbaselevels, nofvlabel, fvwrap(#), fvwrapon(style), cformat(%fmt), pformat(%fmt), sformat(%fmt), and nolstretch. See [R] Estimation options.

Remarks and examples

In some generalized linear response functions, exponentiated coefficients have a special meaning. Those special meanings are as follows:

<table>
<thead>
<tr>
<th>Common name</th>
<th>Family</th>
<th>Link</th>
<th>Meaning of exp(coef)</th>
</tr>
</thead>
<tbody>
<tr>
<td>logit</td>
<td>Bernoulli</td>
<td>logit</td>
<td>odds ratio</td>
</tr>
<tr>
<td>ologit</td>
<td>ordinal</td>
<td>logit</td>
<td>odds ratio</td>
</tr>
<tr>
<td>mlogit</td>
<td>multinomial</td>
<td>logit</td>
<td>relative-risk ratio</td>
</tr>
<tr>
<td>Poisson</td>
<td>Poisson</td>
<td>log</td>
<td>incidence-rate ratio</td>
</tr>
<tr>
<td>nbreg</td>
<td>nbreg</td>
<td>log</td>
<td>incidence-rate ratio</td>
</tr>
</tbody>
</table>
Survival distribution | Meaning of exp(coef)
--- | ---
exponential | hazard ratio
Weibull | hazard ratio
gamma | time ratio
loglogistic | time ratio
lognormal | time ratio

See [SEM] Example 33g and [SEM] Example 34g.

Also see

[SEM] gsem — Generalized structural equation model estimation command
[SEM] gsem postestimation — Postestimation tools for gsem
[SEM] Intro 7 — Postestimation tests and predictions
[SEM] Example 33g — Logistic regression
[SEM] Example 34g — Combined models (generalized responses)
[SEM] Example 47g — Exponential survival model
[SEM] Example 48g — Loglogistic survival model with censored and truncated data