

estat lcmean — Latent class marginal means

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Description

`estat lcmean` is for use after `gsem` but not `sem`.

`estat lcmean` reports a table of the marginal predicted means of each outcome within each latent class.

`marginsplot` can be used after `estat lcmean` to plot the marginal predicted means for each class.

Menu

Statistics > LCA (latent class analysis) > Class marginal means

Syntax

```
estat lcmean [ , options ]
```

<i>options</i>	Description
<code>nose</code>	do not estimate SEs
<code>post</code>	post margins and their VCE as estimation results
<code>display_options</code>	control column formats, row spacing, and line width

`collect` is allowed; see [U] [11.1.10 Prefix commands](#).

Options

`nose` suppresses calculation of the VCE and standard errors.

`post` causes `estat lcmean` to behave like a Stata estimation (e-class) command. `estat lcmean` posts the vector of estimated margins along with the estimated variance–covariance matrix to `e()`, so you can treat the estimated margins just as you would results from any other estimation command.

`display_options`: `vsquish`, `fvwrap(#)`, `fvwrapon(style)`, `cformat(%fmt)`, `pformat(%fmt)`, `sformat(%fmt)`, and `nolstretch`.

Remarks and examples

See [SEM] [Example 50g](#), [SEM] [Example 53g](#), and [SEM] [Example 54g](#).

Stored results

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

Scalars

`r(N)` number of observations

Macros

`r(title)` title in output

Matrices

`r(b)` estimates

`r(V)` variance–covariance matrix of the estimates

`r(table)` matrix containing the margins with their standard errors, test statistics, *p*-values, and confidence intervals

`estat lcmean` with the `post` option also stores the following in `e()`:

Scalars

`e(N)` number of observations

Macros

`e(title)` title in output

`e(properties)` `b V`

Matrices

`e(b)` estimates

`e(V)` variance–covariance matrix of the estimates

Also see

[SEM] [gsem](#) — Generalized structural equation model estimation command

[SEM] [gsem postestimation](#) — Postestimation tools for `gsem`

[SEM] [Example 50g](#) — Latent class model

[SEM] [Example 53g](#) — Finite mixture Poisson regression

[SEM] [Example 54g](#) — Finite mixture Poisson regression, multiple responses

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