estat lcmean — Latent class marginal means

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.

Menu

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

Syntax

    estat lcmean [ , options ]

options            Description

    nose              do not estimate SEs
    post              post margins and their VCE as estimation results
    display_options  control column formats, row spacing, and line width

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