**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 ]
```

<table>
<thead>
<tr>
<th>options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>nose</strong></td>
<td>do not estimate SEs</td>
</tr>
<tr>
<td><strong>post</strong></td>
<td>post margins and their VCE as estimation results</td>
</tr>
<tr>
<td><strong>display_options</strong></td>
<td>control column formats, row spacing, and line width</td>
</tr>
</tbody>
</table>

**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(%)`, `pformat(%)`, `sformat(%)`, 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

[S] `gsem` — Generalized structural equation model estimation command
[S] `gsem postestimation` — Postestimation tools for gsem
[S] Example 50g — Latent class model
[S] Example 53g — Finite mixture Poisson regression
[S] Example 54g — Finite mixture Poisson regression, multiple responses