estat lcmean — Latent class marginal means

Description

`estat lcmean` reports a table of the marginal predicted means of the outcome within each latent class. For `ivregress`, `mlogit`, `oprobit`, and `ologit`, a table is produced for each outcome.

Menu for estat

Statistics > Postestimation

Syntax

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

<table>
<thead>
<tr>
<th>options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nose</td>
<td>do not estimate SEs</td>
</tr>
<tr>
<td>post</td>
<td>post margins and their VCE as estimation results</td>
</tr>
<tr>
<td>display_options</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`, `fwrap(#)`, `fwrapon(style)`, `cformat(\%fmt)`, `pformat(\%fmt)`, `sformat(\%fmt)`, and `nolstretch`.

Remarks and examples

`estat lcmean` is illustrated in [FMM] Example 2 and [FMM] Example 3.
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

[FMM] `fmm` — Finite mixture models using the `fmm` prefix
[FMM] `fmm intro` — Introduction to finite mixture models
[FMM] `fmm postestimation` — Postestimation tools for `fmm`