

estat lcprob — Latent class marginal probabilities

[Description](#)[Menu for estat](#)[Syntax](#)[Options](#)[Remarks and examples](#)[Stored results](#)[Also see](#)

Description

estat lcprob reports a table of the marginal predicted latent class probabilities.

Menu for estat

Statistics > Postestimation

Syntax

```
estat lcprob [ , options ]
```

<i>options</i>	Description
<code>classpr</code>	latent class probability; the default
<code>classposteriorpr</code>	posterior latent class probability
<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

Options

`classpr`, the default, calculates marginal predicted probabilities for each latent class.

`classposteriorpr` calculates marginal predicted posterior probabilities for each latent class. The posterior probabilities are a function of the latent-class predictors and the fitted outcome densities.

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

`post` causes estat lcprob to behave like a Stata estimation (e-class) command. estat lcprob 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

stata.com

estat lcprob is illustrated in [\[FMM\] example 1a](#), [\[FMM\] example 2](#), and [\[FMM\] example 3](#).

Stored results

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

Scalars

`e(N)` number of observations

Macros

`e(title)` title in output

`e(classposteriorpr)` `classposteriorpr` or empty

`e(properties)` `b V`

Matrices

`e(b)` estimates

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

Also see

[FMM] [fmm intro](#) — Introduction to finite mixture models

[FMM] [fmm](#) — Finite mixture models using the `fmm` prefix

[FMM] [fmm postestimation](#) — Postestimation tools for `fmm`