

Postestimation commands

The following postestimation commands are of special interest after `telasso`:

Command	Description
<code>teoverlap</code>	overlap plots
<code>tebalance</code>	check balance of covariates
<code>bicplot</code>	plot Bayesian information criterion function
* <code>coefpath</code>	plot path of coefficients
* <code>cvplot</code>	plot cross-validation function
<code>lassocoeff</code>	display selected coefficients
<code>lassoinfo</code>	information about lasso estimation results
<code>lassoknots</code>	knot table of coefficient selection and measures of fit
* <code>lassoselect</code>	select alternative λ^*

*`coefpath`, `cvplot`, and `lassoselect` require the selection method of the lasso to be `selection(cv)`, `selection(adaptive)`, or `selection(bic)`. See [\[LASSO\] lasso options](#).

The following standard postestimation commands are also available:

Command	Description
<code>estat summarize</code>	summary statistics for the estimation sample
<code>estat vce</code>	variance–covariance matrix of the estimators (VCE)
<code>estimates</code>	cataloging estimation results
<code>etable</code>	table of estimation results
<code>lincom</code>	point estimates, standard errors, testing, and inference for linear combinations of parameters
<code>nlcom</code>	point estimates, standard errors, testing, and inference for nonlinear combinations of parameters
<code>predict</code>	treatment effects, conditional means at treatment, propensity scores, etc.
<code>predictnl</code>	point estimates for generalized predictions
<code>test</code>	Wald tests of simple and composite linear hypotheses
<code>testnl</code>	Wald tests of nonlinear hypotheses

predict

Description for predict

predict creates a new variable containing predictions such as treatment effects, potential outcomes, conditional means, propensity scores, and linear predictions.

Menu for predict

Statistics > Postestimation

Syntax for predict

```
predict [type] { stub* | newvar | newvarlist } [if] [in]
      [, statistic tlevel(treat_level)]
```

statistic	Description
Main	
te	treatment effect; the default
cmean	conditional mean at treatment level
ps	propensity score
xb	linear prediction
psxb	linear prediction for propensity score

Option tlevel() may not be combined with te or psxb.

If you do not specify tlevel() and only specify one new variable, then cmean, ps, and xb assume tlevel() specifies the control.

You specify one or two new variables with cmean, ps, and xb.

You specify one new variable with te and psxb.

Options for predict

Main
te, the default, calculates the treatment effect for the noncontrol treatment level. You need to specify only one new variable.
cmean calculates the conditional mean for each treatment level or the treatment level specified in tlevel(). If you specify the tlevel() option, you need to specify only one new variable; otherwise, you must specify two new variables corresponding to the control and noncontrol treatment levels.
ps calculates the propensity score of each treatment level or the treatment level specified in tlevel(). If you specify the tlevel() option, you need to specify only one new variable; otherwise, you must specify two new variables corresponding to the control and noncontrol treatment levels.
xb calculates the linear prediction at each treatment level or the treatment level specified in tlevel(). If you specify the tlevel() option, you need to specify only one new variable; otherwise, you must specify two new variables corresponding to the control and noncontrol treatment levels.

`psxb` calculates the linear prediction for the propensity score at the noncontrol level of the treatment.

You need to specify only one new variable.

`tlevel(treat_level)` specifies the treatment level for prediction.

Remarks and examples

Some of the `telasso` postestimation commands explore the lasso results computed within `telasso`. Here is a list of such commands: `coefpath`, `cvplot`, `bicplot`, `lassoknots`, `lassoselect`, and `lassocoef`.

When referring to a lasso result computed by `telasso`, there is a distinction between the outcome model and the treatment model. To refer to the lasso result for the treatment model, we need to specify the treatment variable with the `for(tvar)` option. In contrast, to refer to the lasso result for the outcome model, we need to specify the outcome variable at a specific treatment level with the `for(ovar)` and `tlevel(#)` options. In summary, for the treatment model, the `for(tvar)` option is required; for the outcome model, both the `for(ovar)` and the `tlevel(#)` options are required.

Examples that demonstrate how to use the `telasso` command and explore the lasso results using the postestimation tools can be found in [Remarks and examples](#) in [\[CAUSAL\] telasso](#).

Also see

[\[CAUSAL\] telasso](#) — Treatment-effects estimation using lasso

[\[U\] 20 Estimation and postestimation commands](#)

