Postestimation commands

The following postestimation commands are available after `pwcompare, post`:

Command	Description
estat vce	variance–covariance matrix of the estimators (VCE)
estat (svy)	postestimation statistics for survey data
estimates	cataloging estimation results
etable	table of estimation results
lincom	point estimates, standard errors, testing, and inference for linear combinations of parameters
nlcom	point estimates, standard errors, testing, and inference for nonlinear combinations of parameters
test	Wald tests of simple and composite linear hypotheses
testnl	Wald tests of nonlinear hypotheses

Remarks and examples

When we use the `post` option with `pwcompare`, the marginal linear predictions are posted as estimation results, and we can use postestimation commands to perform further analysis on them.

In *Pairwise comparisons of means* of [R] **pwcompare**, we fit a regression of wheat yield on types of fertilizers.

```
. use https://www.stata-press.com/data/r19/yield
(Artificial wheat yield dataset)

. regress yield i.fertilizer
  (output omitted)
```

We also used `pwcompare` with the `cimargins` option to obtain the marginal mean yield for each fertilizer. We can add the `post` option to this command to post these marginal means and their VCEs as estimation results.

```
. pwcompare fertilizer, cimargins post
Pairwise comparisons of marginal linear predictions
Margins: asbalanced
```

	Margin	Std. err.	Unadjusted [95% conf. interval]	
fertilizer				
10-10-10	41.36243	1.124298	39.14509	43.57977
10-08-22	44.98515	1.124298	42.7678	47.20249
16-04-08	41.85306	1.124298	39.63571	44.0704
18-24-06	46.28523	1.124298	44.06789	48.50258
29-03-04	40.1241	1.124298	37.90676	42.34145

Now, we can use `nlcom` to compute a percentage improvement in the mean yield for fertilizer 2 when compared with fertilizer 1.

```
. nlcom (pct_chg: 100*(_b[2.fertilizer] - _b[1.fertilizer])/_b[1.fertilizer])
    pct_chg: 100*(_b[2.fertilizer] - _b[1.fertilizer])/_b[1.fertilizer]
```

	Coefficient	Std. err.	z	P>|z|	[95% conf. interval]	
pct_chg	8.758479	4.015932	2.18	0.029	.8873982	16.62956

The mean yield for fertilizer 2 is about 9% higher than that of fertilizer 1, with a standard error of 4%.

Also see

[R] **pwcompare** — Pairwise comparisons

[U] **20 Estimation and postestimation commands**