Postestimation commands

The following standard postestimation command is available after margins:

Command | Description
---|---
marginsplot | graph the results from margins—profile plots, interaction plots, etc.

For information on marginsplot, see [R] marginsplot.

The following standard postestimation commands are available after margins, post:

Command | Description
---|---
contrast | contrasts and ANOVA-style joint tests of estimates
estat summarize | summary statistics for the estimation sample
estat vce | variance–covariance matrix of the estimators (VCE)
estimates | cataloging estimation results
lincom | point estimates, standard errors, testing, and inference for linear combinations of coefficients
nlcom | point estimates, standard errors, testing, and inference for nonlinear combinations of coefficients
pwcompare | pairwise comparisons of estimates
test | Wald tests of simple and composite linear hypotheses
testnl | Wald tests of nonlinear hypotheses

Remarks and examples

Continuing with the example from Example 8: Margins of interactions in [R] margins, we use the dataset and refit the logistic model of outcome:

```
. use https://www.stata-press.com/data/r16/margex
(Artificial data for margins)
. logistic outcome sex##group age
(output omitted)
```
We then estimate the margins for males and females and post the margins as estimation results with a full VCE.

```
. margins sex, post
Predictive margins Number of obs = 3,000
Model VCE : OIM
Expression : Pr(outcome), predict()
```

| sex | Delta-method | Margin | Std. Err. | z | P>|z| | [95% Conf. Interval] |
|-----|--------------|--------|-----------|---|------|---------------------|
| male | .1600644 | .0125653 | 12.74 | 0.000 | .1354368 | .184692 |
| female | .1966902 | .0100043 | 19.66 | 0.000 | .1770821 | .2162983 |

We can now use `nlcom` (see [R] `nlcom`) to estimate a risk ratio of females to males using the average probabilities for females and males posted by `margins`:

```
. nlcom (risk_ratio: _b[1.sex] / _b[0.sex])
  risk_ratio: _b[1.sex] / _b[0.sex]
```

| Coef. | Std. Err. | z | P>|z| | [95% Conf. Interval] |
|-------|-----------|---|------|---------------------|
| risk_ratio | 1.228819 | .1149538 | 10.69 | 0.000 | 1.003514 | 1.454124 |

We could similarly estimate the average risk difference between females and males:

```
. nlcom (risk_diff: _b[1.sex] - _b[0.sex])
  risk_diff: _b[1.sex] - _b[0.sex]
```

| Coef. | Std. Err. | z | P>|z| | [95% Conf. Interval] |
|-------|-----------|---|------|---------------------|
| risk_diff | .0366258 | .0160632 | 2.28 | 0.023 | .0051425 | .068109 |

Also see

[R] `margins` — Marginal means, predictive margins, and marginal effects
[R] `marginsplot` — Graph results from margins (profile plots, etc.)
[U] 20 Estimation and postestimation commands