latebalance summarize — Covariate-balance summary statistics[+]

[+]This command is part of StataNow.

Description

`latebalance summarize` reports diagnostic statistics that are used to check for covariate balance over treatment-assignment groups after estimation by `lateffects ipwra` or `lateffects kappa`.

Quick start

Raw and weighted standardized differences and variance ratios of all covariates from the most recently fitted `lateffects` model

```
latebalance summarize
```

Same as above, but report statistics only for covariates `x1` and `x2`

```
latebalance summarize x1 x2
```

Baseline means and variances for units assigned to treatment and control

```
latebalance summarize, baseline
```

Menu

Statistics > Postestimation

Syntax

`latebalance summarize` [*varlist*] [, `baseline`]

varlist may contain factor variables; see **[U] 11.4.3 Factor variables**.
`collect` is allowed; see **[U] 11.1.10 Prefix commands**.

Option

Main

`baseline` specifies that `latebalance summarize` report means and variances by treatment level.

Remarks and examples

When the distribution of a covariate is the same for all assigned treatment levels, the covariate is said to be balanced. `latebalance summarize` reports diagnostic statistics to check for covariate balance after `lateffects`.

We recommend that you read [CAUSAL] **latebalance** before proceeding because it provides an introduction to covariate balance. For an illustration, see example 2 of [CAUSAL] **lateffects**.

Stored results

`latebalance summarize` stores the following in `r()`:

Matrices

`r(size)`	number of observations in the raw and weighted samples
`r(table)`	table of covariate statistics

Reference

Cattaneo, M. D. 2010. Efficient semiparametric estimation of multi-valued treatment effects under ignorability. *Journal of Econometrics* 155: 138–154. https://doi.org/10.1016/j.jeconom.2009.09.023.

Also see

[CAUSAL] **latebalance** — Check balance after lateffects estimation+

[CAUSAL] **lateffects** — Local average treatment-effect estimation+

[CAUSAL] **lateoverlap** — Overlap plots+