

⁺This command is part of [StataNow](#).[Description](#)[Remarks and examples](#)[Quick start](#)[Stored results](#)[Menu](#)[Reference](#)[Syntax](#)[Also see](#)[Option](#)

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

<code>r(size)</code>	number of observations in the raw and weighted samples
<code>r(table)</code>	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⁺

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