---

collect style showempty	— Collection styles for displaying empty cells

Description

collect style showempty controls the visibility of coefficients and related statistics in empty cells of factor-variable interactions in estimation results. When results corresponding to empty cells are included in a collection, you can specify whether these should be shown or omitted from your tables.

Menu

Statistics > Summaries, tables, and tests > Tables and collections > Build and style table

Syntax

collect style showempty { on | off } [, name(*cname*)]

where *cname* is a collection name.

Option

name(*cname*) specifies a collection *cname* to which the style is applied. By default, the style is applied to the current collection.

Remarks and examples

collect style showempty controls whether coefficients and related statistics are shown for empty cells of factor-variable interactions. By default, empty cells are shown in tables.

More specifically, this setting applies to the following results: _r_b, _r_se, _r_z, _r_z_abs, _r_p, _r_lb, _r_ub, _r_ci, _r_df, _r_cri, _r_crlb, and _r_crub. These are simply the names that are assigned by default to the coefficients, standard errors, test statistics, upper and lower confidence bounds, degrees of freedom, and upper and lower critical interval bounds that are collected with either collect get or the collect prefix.

To demonstrate, we use data from the Second National Health and Nutrition Examination Survey (NHANES II) (McDowell et al. 1981). We wish to fit a model for systolic blood pressure as a function of age group and race. First, we will create an empty cell by replacing agegrp with a missing value for individuals in the third level of race and sixth level of agegrp.

```
. use https://www.stata-press.com/data/r19/nhanes2
. replace agegrp = . if race==3 & agegrp==6
(11 real changes made, 11 to missing)
```

Then, we fit our model, collecting only the coefficients (_r_b), and we use the quietly prefix to suppress the output. To keep the table compact, we include only the interaction and not the main effects of each variable.

```
. quietly: collect _r_b: regress bpsystol agegrp#race
```

Now, we specify that we want to display the empty cells in our table. Then, we arrange the items in our collection with the variable names on the rows and the statistics (result) on the columns:

```
. collect style showempty on
. collect layout (colname) (result)
Collection: default
      Rows: colname
   Columns: result
   Table 1: 19 x 1
```

	Coefficient
20–29 # White	0
20–29 # Black	−.2656245
20–29 # Other	−5.154448
30–39 # White	2.448515
30–39 # Black	5.456101
30–39 # Other	−.2603797
40–49 # White	8.440513
40–49 # Black	18.07027
40–49 # Other	10.91819
50–59 # White	17.43116
50–59 # Black	25.61819
50–59 # Other	8.398711
60–69 # White	23.25529
60–69 # Black	29.49347
60–69 # Other	34.57295
70+ # White	30.24816
70+ # Black	33.6855
70+ # Other	0
Intercept	117.5104

Because there are no observations for individuals who are in their 70s and in the `Other` category of race, we see a coefficient of 0. If we change our mind and decide to hide the empty cells, we can turn this setting `off` and preview our updated table:

```
. collect style showempty off
. collect preview
```

	Coefficient
20–29 # White	0
20–29 # Black	−.2656245
20–29 # Other	−5.154448
30–39 # White	2.448515
30–39 # Black	5.456101
30–39 # Other	−.2603797
40–49 # White	8.440513
40–49 # Black	18.07027
40–49 # Other	10.91819
50–59 # White	17.43116
50–59 # Black	25.61819
50–59 # Other	8.398711
60–69 # White	23.25529
60–69 # Black	29.49347
60–69 # Other	34.57295
70+ # White	30.24816
70+ # Black	33.6855
Intercept	117.5104

Stored results

`collect style showempty` stores the following in `s()`:

Macros
    `s(collection)`   name of collection

Reference

McDowell, A., A. Engel, J. T. Massey, and K. Maurer. 1981. "Plan and operation of the Second National Health and Nutrition Examination Survey, 1976–1980". In *Vital and Health Statistics*, ser. 1, no. 15. Hyattsville, MD: National Center for Health Statistics.

Also see