<div style="border:1px solid; padding:8px;">

collect style showbase — Collection styles for displaying base levels

</div>

Description

collect style showbase controls the visibility of coefficients and related statistics for base levels of factor variables and interactions in estimation results. When results corresponding to factor variables are included in your collection, you may specify that base levels are never shown, that base levels are shown in the main effects but not interactions, or that base levels are shown in both the main effects and interactions in your tables.

Menu

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

Syntax

collect style showbase { off | factor | all } [, 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 showbase controls whether coefficients and related statistics are shown for base levels of factor variables and interactions. By default, all base levels are shown in tables. When factor is selected, base levels for the main effects of factor variables are shown, but base levels for interaction terms are not shown. When off is selected, no base levels are shown in the table.

To be more specific, 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). Below, we fit a model for systolic blood pressure as a function of age group, sex, and their interaction. We use the collect prefix to collect the coefficients (_r_b) and standard errors (_r_se), and we specify the quietly prefix to suppress the output.

```
. use https://www.stata-press.com/data/r19/nhanes2
. quietly: collect _r_b _r_se : regress bpsystol sex##agegrp
```

Then, we arrange the items in our collection with `collect layout`. We place the variable names on the rows and the statistics (`result`) on the columns:

```
. collect layout (colname) (result)

Collection: default
      Rows: colname
   Columns: result
   Table 1: 21 x 2
```

	Coefficient	Std. error
Male	0	0
Female	-12.60132	.8402299
20-29	0	0
30-39	.7956175	.9473117
40-49	5.117078	1.018176
50-59	12.20018	1.022541
60-69	16.85887	.8155092
70+	22.50889	1.130959
Male # 20-29	0	0
Male # 30-39	0	0
Male # 40-49	0	0
Male # 50-59	0	0
Male # 60-69	0	0
Male # 70+	0	0
Female # 20-29	0	0
Female # 30-39	4.140156	1.31031
Female # 40-49	8.644866	1.412067
Female # 50-59	11.83134	1.406641
Female # 60-69	14.093	1.130882
Female # 70+	15.86608	1.542296
Intercept	123.8862	.6052954

By default, you see the base level for `sex`, the base level for `agegrp`, and the base levels for the interaction as well. Suppose that we want to display only the base level for each factor variable but not for the interaction. We make this change and then get a preview of the table:

```
. collect style showbase factor
. collect preview
```

	Coefficient	Std. error
Male	0	0
Female	-12.60132	.8402299
20-29	0	0
30-39	.7956175	.9473117
40-49	5.117078	1.018176
50-59	12.20018	1.022541
60-69	16.85887	.8155092
70+	22.50889	1.130959
Female # 30-39	4.140156	1.31031
Female # 40-49	8.644866	1.412067
Female # 50-59	11.83134	1.406641
Female # 60-69	14.093	1.130882
Female # 70+	15.86608	1.542296
Intercept	123.8862	.6052954

Sometimes, we might not want to display any of the base levels. Below, we suppress them all and then preview our table once more:

```
. collect style showbase off
. collect preview
```

	Coefficient	Std. error
Female	-12.60132	.8402299
30–39	.7956175	.9473117
40–49	5.117078	1.018176
50–59	12.20018	1.022541
60–69	16.85887	.8155092
70+	22.50889	1.130959
Female # 30–39	4.140156	1.31031
Female # 40–49	8.644866	1.412067
Female # 50–59	11.83134	1.406641
Female # 60–69	14.093	1.130882
Female # 70+	15.86608	1.542296
Intercept	123.8862	.6052954

Stored results

collect style showbase stores the following in s():

Macros
    s(collection)   name of collection

References

Huber, C. 2021. Customizable tables in Stata 17, part 5: Tables for one regression model. *The Stata Blog: Not Else-where Classified.* https://blog.stata.com/2021/08/26/customizable-tables-in-stata-17-part-5-tables-for-one-regression-model/.

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

[TABLES] **collect query** — Query collection style properties

[TABLES] **collect style showempty** — Collection styles for displaying empty cells

[TABLES] **collect style showomit** — Collection styles for displaying omitted coefficients