collect style cell — Collection styles for cells

Description

collect style cell specifies the cell appearance styles in the collection. This includes numeric formats, borders, bolding, italics, font, text color, cell color, margins, justification, and more. These styles can be applied to all cells in the collection, to cells of a particular dimension, or to specific cells of a particular dimension. Certain appearance edits can be rendered only on certain export formats.

Quick start

Use a comma as the delimiter for the upper and lower bounds of confidence intervals

```stata
collect style cell result[_r_ci], cidelimiter(,)
```

Set the cell margin for all cells in the collection to 10 points on the left and right

```stata
collect style cell, margin(left right, width(10))
```

Format standard errors and coefficients with two decimal places

```stata
collect style cell result[_r_se _r_b], nformat(%8.2f)
```

Menu

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

```
collect style cell [taglist] [, options]
```

taglist is a list of tags that identify table cells to which styles are to be applied. Within the taglist, if tags are joined by #, cells identified by all of these specified tags are selected; if tags are separated by a space, cells identified by any of these tags are selected. If no taglist is specified, styles are applied to all cells.

```
taglist contains
tagspec
tagspec taglist
tagspec contains
tag
tag#tag[#tag[...]]
tag contains
dimension
dimension[levels]
dimension is a dimension in the collection.
levels are levels of the corresponding dimension.
```

Distinguish between [], which are to be typed, and [ ], which indicate optional arguments.
options | Description
--- | ---
**Main** name(*cname*) | apply cell appearance styles to collection *cname*
basename | update base style
[no]warn | display or suppress notes about tags that are not recognized; default is to display

**Borders**
border(*bspec*) | set pattern, color, and width for cell border; option may be repeated

**Diagonals**
dborder(*dbspec*) | set direction, pattern, and color for cell diagonal border

**Fonts**
font([*fontfamily*] [ , *font_opts* ]) | set font style for cell text
smcl(*smcl*) | specify formatting for SMCL files
latex(*latex*) | specify \LaTeX macro

**Shading**
shading(*sspec*) | set background color, foreground color, and fill pattern for cells

**Margins**
margin(*mspec*) | set margins for cells; option may be repeated

**Alignments**
halign(*hvalue*) | set horizontal alignment for cells
valign(*vvalue*) | set vertical alignment for cells

**Formats**
nformat(*fmt*) | specify numeric format for cell text
sformat(*sfmt*) | specify string format for cell text
cidelimiter(*char*) | use character as delimiter for confidence interval limits
cridelimiter(*char*) | use character as delimiter for credible interval limits

### font_opts

| Description | 
| --- | ---
| size(#[, *unit*]) | specify font size
| color(*color*) | specify font color
| variant(*variant*) | specify font variant and capitalization
| [no]bold | specify whether to format text as bold
| [no]italic | specify whether to format text as italic
| [no]strikeout | specify whether to strike out text
| underline(*upattern*) | specify whether to underline text

*bspec* is

```
[ borders ] [ , width(*bwidth*) pattern(*bpattern*) color(*bcolor*) ]
```

*borders* specifies one or more border locations and identifies where to apply the border style edits.
**bwidth** is defined as $#[\text{unit}]$ and specifies the border line width. If # is specified without the optional unit, points is assumed.

**bpattern** is a keyword specifying the look of the border. The default is single. For a complete list of border patterns, see *Border patterns* of [TABLES] Appendix for collect style cell. To remove an existing border, specify nil as the bpattern.

**bcolor** specifies the border color.

**unit** may be in (inch), pt (point), or cm (centimeter). An inch is equivalent to 72 points and 2.54 centimeters. The default is pt.

**dbspec** is

$$direction \ [ \ , \ pattern(dbpattern) \ color(dbcolor) \ ]$$

**direction** specifies the diagonal border direction and may be one of down, up, or both.

**dbpattern** is a keyword specifying the look of the diagonal border. The default is thin. For a complete list of diagonal border patterns, see *Diagonal border patterns* of [TABLES] Appendix for collect style cell.

**dbcolor** specifies the diagonal border line color.

**fontfamily** specifies a font family.

**sspec** is

$$[ \ \ background(bgcolor) \ foreground(fgcolor) \ pattern(fpattern) \ ]$$

**bgcolor** specifies the background color.

**fgcolor** specifies the foreground color.

**fpattern** specifies the fill pattern. A complete list of fill patterns is shown in *Shading patterns* of [TABLES] Appendix for collect style cell.

**bcolor**, **dbcolor**, **bgcolor**, **fgcolor**, and **color** may be one of the colors listed in *Colors* of [TABLES] Appendix for collect style cell; a valid RGB value in the form ### ### ###, for example, 171 248 103; or a valid RRGGBB hex value in the form ######, for example, ABF867.

### Options

<table>
<thead>
<tr>
<th>Main</th>
</tr>
</thead>
</table>

**name**(cname) specifies a collection name to which appearance styles are applied.

**basestyle** indicates that the appearance styles be applied to the base style, instead of overriding the current style for the specified cells.

Each cell begins with baseline style properties. (You can view your table with these baseline style properties by first clearing out the collection styles with **collect style clear**.) The appearance of the cells is then updated with any changes specified in the default style used by **collect** and **table**. Any **collect style cell** command you issue will override the current style for the specified cells. If you specify the **basestyle** option, the style changes will instead apply to the baseline style and they will not override any current style edits targeted to specific tags.

For example, suppose you have created a table with coefficients, standard errors, $p$-values, confidence intervals, and $R^2$ values. You then format your coefficients to display only two digits after the decimal. If you then decide to format all other statistics to display only three digits, you can
type collect style cell result, basestyle nformat(%9.3f) to apply this change while retaining the formatting you applied to the coefficients.

warn and nowarn control the display of notes when collect encounters a tag it does not recognize. The notes are displayed by default unless you used set collect_warn off to suppress them. warn specifies that collect show the notes. nowarn specifies that collect not show the notes. These options override the collect_warn setting; see [TABLES] set collect_warn.

Borders

border([borders], width(bwidth) pattern(bpattern) color(bcolor)]) specifies line styles for cell borders. borders specifies one or more border locations and identifies where to apply the border style edits. The border locations are left, right, top, bottom, or all. If borders is not specified, all is assumed. You may change the width, pattern, and color for the border by specifying bwidth, bpattern, and bcolor.

This option may be specified multiple times in a single command to accommodate different border settings. If multiple border() options are specified, they are applied in the order specified from left to right. Additionally, these border style properties are applicable when publishing items from a collection to all file types, except Markdown.

Diagonals

dborder(direction[, pattern(dbpattern) color(dbcolor)]) specifies line styles for diagonal cell borders. The direction of the diagonal border is specified by direction, which may be down, up, or both. Optionally, you may change the pattern and color for the border by specifying dbpattern and dbcolor.

These diagonal border style properties are applicable when publishing items from a collection to a Microsoft Excel file.

Fonts

font([fontfamily], size[#[unit]] color(color) variant(variant) [no]bold [no]italic [no]strikeout [no]underline underline(upattern)]) specifies the font style for the cell text.

These font style properties are applicable when publishing items from a collection to Microsoft Word, Microsoft Excel, PDF, and HTML files.

fontfamily specifies a font family.

size[#[unit]] specifies the font size as a number optionally followed by units. If # is specified without the optional unit, points is assumed.

variant(variant) specifies the font variant and capitalization. variant may be allcaps, small-caps, or normal. variant(allcaps) changes the text to all uppercase letters. variant(smallcaps) changes the text to use large capitals for uppercase letters and smaller capitals for lowercase letters. variant(normal) changes the font variant back to normal; capitalization is unchanged from the original text.

bold and nobold specify the font weight. bold changes the font weight to bold; nobold changes the font weight back to normal.

italic and noitalic specify the font style. italic changes the font style to italic; noitalic changes the font style back to normal.

strikeout and nostrikeout specify whether to add a strikeout mark to the text. strikeout adds a strikeout mark to the text; nostrikeout changes the text back to normal.
underline(upattern), underline, and nounderline specify how to underline the text.

underline(upattern) adds an underline to the text using a specified pattern. upattern may be any of the patterns listed in Underline patterns of [TABLES] Appendix for collect style cell. For example, underline(none) removes the underline from the text.

underline is a shortcut for underline(single).

nounderline is a shortcut for underline(none).

smcl(smcl) specifies how to render cell text for SMCL output. The supported SMCL directives are input, error, result, and text.

This style property is applicable only when publishing items from a collection to a SMCL file.

latex(latex) specifies the name of a LaTeX macro to render cell text for LaTeX output. This style property is applicable only when publishing items from a collection to a LaTeX file.

Example LaTeX macro names are textbf, textsf, textrm, and texttt. Custom LaTeX macros are also allowed. If value is the value for a given cell, then latex is translated to the following when exporting to LaTeX:

\latex \{value\}

shading([background(bgcolor) foreground(fgcolor) pattern(fpattern)]) sets the background color, foreground color, and fill pattern for cells.

These shading style properties are applicable when publishing items from a collection to Microsoft Word, Microsoft Excel, PDF, HTML, and LaTeX files.

margin([margins] [, width(#[unit])]) specifies margins inside the cell. These margin style properties are applicable when publishing items from a collection to PDF and HTML files.

margins specifies one or more margin locations and identifies where to apply the margin style edits. The margin locations are left, right, top, bottom, and all. If margins is not specified, all is assumed.

width(#[unit]) specifies the margin width as a number optionally followed by units.

halign(hvalue) specifies the horizontal alignment for the cell text. hvalue may be left, center, and right.

These alignment style properties are applicable when publishing items from a collection to all file types, except Markdown.

valign(vvalue) specifies the vertical alignment for the cell text. vvalue may be top, bottom, or center.

These alignment style properties are applicable when publishing items from a collection to all file types, except Markdown.

nformat(%,fmt) applies the Stata numeric format %fmt to cell text constructed from numeric items.
sformat(sfmt) applies a string format to cell text. You can, for instance, add symbols or text to the values reported in the collection by modifying the string format.

sfmt may contain a mix of text and %s. Here %s refers to the numeric value that is formatted as specified using nformat(). The text will be placed around the numeric values in the collection as it is placed around %s in this option. For instance, to place parentheses around results, you can specify sformat("(%s)").

Two text characters must be specified using a special character sequence if you want them to be displayed in your collection. To include %, type %%%. To include \, type \\%. For instance, to place a percent sign after results, you can specify sformat("%s%%").

cidelimiter(char) changes the delimiter between confidence interval limits. The default is cidelimiter(" ").

cridelimter(char) changes the delimiter between credible interval limits. The default is cridelimiter(" ").

Remarks and examples

collect style cell allows you to specify the cell appearance styles for tables built from the collection. These styles include the numeric format for results, borders around cells, font, and much more. If you do not specify a tag, your appearance style will be applied to all cells in the table, including those in the body of the table and the headers.

Stored results

collect style cell stores the following in s():

Macros

\texttt{s(collection)} name of collection

References


Also see

[TABLES] collect style column — Collection styles for column headers

[TABLES] collect style row — Collection styles for row headers