

ColorCode	Table Proc
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Color code table based on values.

`colorcode` sets colors of cells in table according to values in the cells relative to the distribution of values.

Syntax

`{%equation}.colorcode(options)`

Options

<code>ROWS=arg(s)</code>	Space-separated list of rows to color-code. Can be specified as range, e.g. 2-4 will include rows 2,3 and 4. As default all rows are specified.
<code>COLS=arg</code>	Space-separated list of columns to color-code. Can be specified as range, e.g. 2-4 will include columns 2,3 and 4. As default all rows are specified.
<code>COLORS=arg</code> (default= "green yellow red")	Color-code pallet. Arg mayb be either "green yellow red", or "red yellow green", or one of the above without yellow.
<code>SHADES=arg</code>	Number shades of each color to be used. Default is number of rows divided by 12.
<code>BYTYPE=arg</code> (default= "all")	Type of separation of values into separate groups. Arg may be "rows" (values separated by row; each row will have its own color coding), "cols" (values separated by row; each row will have its own color coding), or all (all values together).
<code>ABS=arg</code> (default= "f")	Indicator whether values should be evaluated in their absolute value. Arg may be "t" of "f".
<code>QUANTILES=arg</code> (default= "f")	Indicator whether color-coding should be performed based on quantiles of values (i.e. ranks) rather than based on simple distance. Arg may be "t" of "f".
<code>STATISTICS=arg</code> (default= "f")	List of summary statistics for each column to be included at the bottom of the table. The summary statistics can be 'mean' (average of alle values), 'stdev' (standard deviation), 'min' (minimum), 'max' (maximum), and 'quartiles' (1 st and 3 rd quartile value). Note: This applies only when 'bytype=cols'.
<code>KEEP_TABLE=arg</code> (default= "f")	Indicator whether table with category info should be kept. Arg may be "t" of "f".

Note: The table is named 'category_info'.
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Examples

The command

```
tb.colorcode
```

will add colors to all cells of the table 'tb' based on the values in the cells. Lowest values will be dark green, highest dark red, while value in between will be go from light green, to yellow, to orange to light red. Cells that do not have numerical values will be color coded.

The command

```
tb.colorcode(rows="2-6", "cols=3 5", colors="red yellow  
green", shades="4", quantiles="t", keep_table="t")
```

will add colors to all cells of the table 'tb' based on the quantiles/ranks of values in the cells. Lowest values will be dark green, highest dark red, while value in between will be go from light green, to yellow, to orange to light red. The workfile will contain table 'tb_category_info' which will indicate the category colors and borders.

Contact Information

Please send any questions, comments, criticisms, or complaints to the dedicated Eviews forum or privately to kamil.kovar@cerge-ei.cz or. If you'd like to contribute to the project, please feel free to send a pull request to <https://github.com/CrisisStudent/ColorCode>.

Additional notes

For large tables it is better to execute this procedure in command line, since having the table open causes the color-coding to be slow in Eviews.

The add-in is separated into settings&execution program file and subroutines program file. This allows developers to repurpose the subroutine(s) outside of the add-in.