

twoway_options — Options for twoway graphs

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Description

The above options are allowed with all *plottypes* (`scatter`, `line`, etc.) allowed by `graph twoway`; see [\[G-2\] graph twoway](#).

Syntax

The *twoway_options* allowed with all `twoway` graphs are

<i>twoway_options</i>	Description
added_line_options	draw lines at specified <i>y</i> or <i>x</i> values
added_text_options	display text at specified (<i>y,x</i>) value
axis_options	labels, ticks, grids, log scales
title_options	titles, subtitles, notes, captions
legend_options	legend explaining what means what
scale(#)	resize text, markers, line widths
region_options	outlining, shading, graph size
aspect_option	constrain aspect ratio of plot region
scheme(schemename)	overall look
play(recordingname)	play edits from <i>recordingname</i>
by(varlist, ...)	repeat for subgroups
nodraw	suppress display of graph
name(name, ...)	specify name for graph
saving(filename, ...)	save graph in file
advanced_options	difficult to explain

Options

[added_line_options](#) specify that horizontal or vertical lines be drawn on the graph; see [\[G-3\] added_line_options](#). If your interest is in drawing grid lines through the plot region, see [axis_options](#) below.

[added_text_options](#) specifies text to be displayed on the graph (inside the plot region); see [\[G-3\] added_text_options](#).

[axis_options](#) specify how the axes are to look, including values to be labeled or ticked on the axes. These options also allow you to obtain logarithmic scales and grid lines. See [\[G-3\] axis_options](#).

title_options allow you to specify titles, subtitles, notes, and captions to be placed on the graph; see [G-3] [title_options](#).

legend_options specifies whether a legend is to appear and allows you to modify the legend's contents. See [G-3] [legend_options](#).

scale(#) specifies a multiplier that affects the size of all text, markers, and line widths in a graph. *scale(1)* is the default, and *scale(1.2)* would make all text, markers, and line widths 20% larger. See [G-3] [scale_option](#).

region_options allow outlining the plot region (such as placing or suppressing a border around the graph), specifying a background shading for the region, and controlling the graph size. See [G-3] [region_options](#).

aspect_option allows you to control the relationship between the height and width of a graph's plot region; see [G-3] [aspect_option](#).

scheme(schemename) specifies the overall look of the graph; see [G-3] [scheme_option](#).

play(recordingname) applies the edits from *recordingname* to the graph, where *recordingname* is the name under which edits previously made in the Graph Editor have been recorded and stored. See [Graph Recorder](#) in [G-1] [Graph Editor](#).

by(varlist, ...) specifies that the plot be repeated for each set of values of *varlist*; see [G-3] [by_option](#).

nodraw causes the graph to be constructed but not displayed; see [G-3] [nodraw_option](#).

name(name[, replace]) specifies the name of the graph. *name(Graph, replace)* is the default. See [G-3] [name_option](#).

saving(filename[, asis replace]) specifies that the graph be saved as *filename*. If *filename* is specified without an extension, *.gph* is assumed. *asis* specifies that the graph be saved just as it is. *replace* specifies that, if the file already exists, it is okay to replace it. See [G-3] [saving_option](#).

advanced_options are not so much advanced as they are difficult to explain and are rarely used. They are also invaluable when you need them; see [G-3] [advanced_options](#).

Remarks and examples

[stata.com](http://www.stata.com)

The above options may be used with any of the *twoway* plottypes—see [G-2] [graph twoway](#)—for instance,

```
. twoway scatter mpg weight, by(foreign)
. twoway line l1 year, xlabel(,grid) saving(myfile, replace)
```

The above options are options of *twoway*, meaning that they affect the entire *twoway* graph and not just one or the other of the plots on it. For instance, in

```
. twoway lfitci mpg weight, stdf ||
      scatter mpg weight, ms(0) by(foreign, total row(1))
```

the *by()* option applies to the entire graph, and in theory you should type

```
. twoway lfitci mpg weight, stdf ||
      scatter mpg weight, ms(0) ||, by(foreign, total row(1))
```

or

```
. twoway (lfitci mpg weight, stdf)
      (scatter mpg weight, ms(0)), by(foreign, total row(1))
```

to demonstrate your understanding of that fact. You need not do that, however, and in fact it does not matter to which plot you attach the *twoway_options*. You could even type

```
. twoway lfitci mpg weight, stdf by(foreign, total row(1)) ||
  scatter mpg weight, ms(0)
```

and, when specifying multiple *twoway_options*, you could even attach some to one plot and the others to another:

```
. twoway lfitci mpg weight, stdf by(foreign, total row(1)) ||
  scatter mpg weight, ms(0) saving(myfile)
```

Also see

[G-2] [graph twoway](#) — Twoway graphs

[G-3] [advanced_options](#) — Rarely specified options for use with graph twoway

[G-3] [axis_options](#) — Options for specifying numeric axes

[G-3] [by_option](#) — Option for repeating graph command

[G-3] [legend_options](#) — Options for specifying legends

[G-3] [name_option](#) — Option for naming graph in memory

[G-3] [nodraw_option](#) — Option for suppressing display of graph

[G-3] [region_options](#) — Options for shading and outlining regions and controlling graph size

[G-3] [saving_option](#) — Option for saving graph to disk

[G-3] [scale_option](#) — Option for resizing text, markers, and line widths

[G-3] [scheme_option](#) — Option for specifying scheme

[G-3] [title_options](#) — Options for specifying titles

