Syntax

`twoway rconnected y1var y2var xvar [if] [in] [, options]`

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Menu

Graphics > Twoway graph (scatter, line, etc.)

Description

A range plot has two $y$ variables, such as high and low daily stock prices or upper and lower 95% confidence limits.

`twoway rconnected` plots the upper and lower ranges by using connected lines.

Options

`vertical` and `horizontal` specify whether the high and low $y$ values are to be presented vertically (the default) or horizontally.

In the default `vertical` case, $y1var$ and $y2var$ record the minimum and maximum (or maximum and minimum) $y$ values to be graphed against each $xvar$ value.
If `horizontal` is specified, the values recorded in `y1var` and `y2var` are plotted in the `x` direction and `xvar` is treated as the `y` value.

`connect_options` change the rendition of the lines connecting the plotted points, including sorting, handling missing observations, and the look of the line—line thickness, pattern, and color. For details, see [G-3] `connect_options`.

`marker_options` specify how the markers look, including shape, size, color, and outline; see [G-3] `marker_options`. The same symbol is used for both lines.

`marker_label_options` specify if and how the markers are to be labeled. Because the same marker label would be used to label both lines, these options are of limited use here. See [G-3] `marker_label_options`.

`axis_choice_options` associate the plot with a particular `y` or `x` axis on the graph; see [G-3] `axis_choice_options`.

`twoway_options` are a set of common options supported by all `twoway` graphs. These options allow you to title graphs, name graphs, control axes and legends, add lines and text, set aspect ratios, create graphs over `by()` groups, and change some advanced settings. See [G-3] `twoway_options`.

### Remarks and examples

Visually, there is no difference between

```
   . twoway rconnected y1var y2var xvar
```

and

```
   . twoway connected y1var xvar || connected y2var xvar, pstyle(p1)
```

The two connected lines are presented in the same overall style, meaning symbol selection and color and line color, thickness, and pattern.

### Also see

- [G-2] `graph twoway rarea` — Range plot with area shading
- [G-2] `graph twoway rbar` — Range plot with bars
- [G-2] `graph twoway rcap` — Range plot with capped spikes
- [G-2] `graph twoway rcapsym` — Range plot with spikes capped with marker symbols
- [G-2] `graph twoway rline` — Range plot with lines
- [G-2] `graph twoway rscatter` — Range plot with markers
- [G-2] `graph twoway rspike` — Range plot with spikes