**graph twoway rscatter — Range plot with markers**

### Syntax

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

#### options

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All explicit options are *rightmost*; see [G-4] `concept: repeated options`.

### 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 rscatter** plots the upper and lower ranges as scatters.

### 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.
**Remarks and examples**

Visually, there is no difference between

```
  twoway rscatter y1var y2var xvar
```

and

```
  twoway scatter y1var xvar || scatter y2var xvar, pstyle(p1)
```

The two scatters are presented in the same overall style, meaning that the markers (symbol shape and color) are the same.

**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 rconnected` — Range plot with connected lines

[G-2] `graph twoway rline` — Range plot with lines

[G-2] `graph twoway rspike` — Range plot with spikes