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Description

pcarrowi is an immediate version of twoway pcarrow; see [U] 19 Immediate commands and [G-2] graph twoway pcarrow. pcarrowi is intended for programmer use but can be useful interactively.

Quick start

Directional arrow plot from (5, 1) to (4, 7) twoway pcarrowi 1 5 7 4

Overlay arrow plot on a scatterplot of observed values of x and y twoway scatter y x || pcarrowi 36 22 40 21

Same as above, labeling the arrow "My label" at 2 o'clock twoway scatter y x || pcarrowi 36 22 40 21 (2) "My label"

Same as above, but specify a large font for the label and place label near the arrowhead twoway scatter y x || pcarrowi 36 22 40 21 (2) "My label", /// mlabsize(large) headlabel

Specify a large arrowhead and a medium-small barb size

twoway pcarrowi 36 22 40 21, msize(large) barbsize(medsmall)

Menu

Graphics > Two-way graph (scatter, line, etc.)

Syntax

twoway pcarrowi immediate_values [, options]

where immediate_values is one or more of

 $\#_{y1} \#_{x1} \#_{y2} \#_{x2} [(\#_{clockposstyle})] ["text for label"]$

See [G-4] *clockposstyle* for a description of #clockposstyle.

Options

options are as defined in [G-2] graph twoway pcarrow, with the following modifications:

If "text for label" is specified among any of the immediate arguments, option mlabel() is assumed.

If (#clockposstyle) is specified among any of the immediate arguments, option mlabvposition() is assumed.

Remarks and examples

Immediate commands are commands that obtain data from numbers typed as arguments. Typing

. twoway pcarrowi 1.1 1.2 1.3 1.4 2.1 2.2 2.3 2.4, any_options

produces the same graph as typing

```
. clear

. input y1 x1 y2 x2

y1 x1 y2 x2

1. 1.1 1.2 1.3 1.4

2. 2.1 2.2 2.3 2.4

3. end

. twoway pcarrowi y x, any options
```

twoway pcarrowi does not modify the data in memory.

pcarrowi is intended for programmer use but can be used interactively. In *Basic use* of [G-2] graph twoway pcarrow, we drew some simple clock hands from data that we input. We can draw the same graph by using pcarrowi.



We can also draw the annotated second example,

. twoway pcarrowi 0 0 0 1 (3) "3 o'clock" 0 0 1 0 (12) "12 o'clock", aspect(1) headlabel plotregion(margin(vlarge))



As another example, in [G-3] *added_text_options*, we demonstrated the use of option text() to add text to a graph:

```
. twoway qfitci mpg weight, stdf ||
    scatter mpg weight, ms(0)
    text(41 2040 "VW Diesel", place(e))
    text(28 3260 "Plymouth Arrow", place(e))
    text(35 2050 "Datsun 210 and Subaru", place(e))
```

Below we use pcarrowi to obtain similar results:



Also see

- [G-2] graph twoway Two-way graphs
- [G-2] graph twoway pcarrow Paired-coordinate plot with arrows
- [G-2] graph twoway scatteri Scatter with immediate arguments
- [U] 19 Immediate commands

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