**Syntax**

```
twoway scatteri immediate_values [ , options ]
```

where `immediate_values` is one or more of

```
#y #x [ (#clockposstyle) ] [ "text for label" ]
```


**Menu**

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

**Description**

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

**Options**

`options` are as defined in [G-2] `graph twoway scatter`, 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 scatteri 1 1 2 2, any_options
```

produces the same graph as typing

```
.clear
.input y x
   y    x
   1.1 1
   2.2 2
   3. end
.twoway scatter y x, any_options
```

twoway scatteri does not modify the data in memory.

`scatteri` is intended for programmer use but can be used interactively. In [G-3] `added_text_options`, we demonstrated the use of option `text()` to add text to a graph:
Below we use `scatteri` to obtain similar results:

```
. twoway qfitci mpg weight, stdf ||
    scatteri 41 2040 (3) "VW Diesel"
    28 3260 (3) "Plymouth Arrow"
    35 2050 (3) "Datsun 210 and Subaru"
    , msymbol(i)
```

We translated `text(..., place(e))` to (3), 3 o’clock being the `clockposstyle` notation for the `east compassdirstyle`. Because labels are by default positioned at 3 o’clock, we could omit (3) altogether:

```
. twoway qfitci mpg weight, stdf ||
    scatteri 41 2040 "VW Diesel"
    28 3260 "Plymouth Arrow"
    35 2050 "Datsun 210 and Subaru"
    , msymbol(i)
```

We specified `msymbol(i)` option to suppress displaying the marker symbol.

Technical note

Programmers: Note carefully `scatter`’s `advanced_option recast()`; see [G-3] `advanced_options`. It can be used to good effect, such as using `scatteri` to add areas, bars, spikes, and dropped lines.

Also see

[G-2] `graph twoway scatter` — Twoway scatterplots

[U] 19 Immediate commands