

graph twoway tsline — Twoway line plots⁺

⁺This command includes features that are part of [StataNow](#).

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Description

`tsline` draws line plots for time-series data.

`tsrline` draws a range plot with lines for time-series data.

For complete documentation of `tsline` and `tsrline`; see [\[TS\] `tsline`](#).

Quick start

Time-series line plot of `y1` using `tsset` data

```
twoway tsline y1
```

Same as above

```
tsline y1
```

Time-series range plot with lines for `y1` and `y2`

```
tsrline y1 y2
```

Same as above, displayed as a range plot with area shading instead of lines for each variable

```
tsrline y1 y2, recast(rarea)
```

Overlay the time-series plot with a linear fit plot

```
twoway tsline y1 || lfit y1 time
```

A separate graph area for each level of `catvar`

```
tsline y1, by(catvar)
```

Menu

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

Syntax

Time-series line plot

```
[twoway] tsline varlist [if] [in] [, scatter_options twoway_options]
```

Time-series range plot with lines

```
[twoway] tsrline  $y_1$   $y_2$  [if] [in] [, rline_options twoway_options]
```

where the time variable is assumed set by `tsset`, *varlist* has the interpretation $y_1[y_2 \dots y_k]$.

colorvar_options described in [\[G-2\] graph twoway scatter](#) and [\[G-2\] graph twoway rline](#) are part of [StataNow](#) for `twoway tsline` and `twoway tsrline`.

Remarks and examples

[stata.com](#)

`twoway tsline` and `twoway tsrline` use the `stcolor` scheme by default. However, note that `tsline` and `tsrline` use the `stcolor_alt` scheme. To learn more about these schemes, see [\[G-4\] Scheme st](#).

Also see

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

[\[XT\] xtline](#) — Panel-data line plots

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