

**graph twoway tsline** — Twoway line plots

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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 y1 y2 [if] [in] [, rline_options twoway_options]
```

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

## Remarks and examples

[stata.com](http://www.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