Stata for Graphs
Resources – Schemes and Palettes

Stata Graph Schemes

Stata offers a command called **scheme** that defines the **overall appearance** of your graph. This has to do with whether or not there is a box around your plot, whether or not there is shading, the color of the lines and bars, etc.

The default scheme is s2color.

To obtain a listing of the available schemes

Type the following in the command window: **. graph query, schemes**

Note! You may get a slightly smaller set of schemes. This is because I have downloaded some additional schemes.

. graph query, schemes

```
Available schemes are

    s2color         see help scheme_s2color
    s2mono          see help scheme_s2mono
    s2manual        see help scheme_s2manual
    s2gmanual       see help scheme_s2gmanual
    s2gcolor        see help scheme_s2gcolor
    s1color         see help scheme_s1color
    s1mono          see help scheme_s1mono
    s1rcolor        see help scheme_s1rcolor
    s1manual        see help scheme_s1manual
    sj              see help scheme_sj
    economist       see help scheme_economist
    s2color8        see help scheme_s2color8

.
```

```
vg_blue
vg_brite
vg_lgndc
vg_lgndm
vg_outc
vg_outm
vg_palec
vg_palem
vg_past
vg_rose
vg_s1c
vg_s1m
vg_s2c
vg_s2m
vg_samec
vg_samem
vg_size
vg_teal
```

There are two ways to set the graph scheme

Method 1: Using the **set scheme** command prior to specifying your graph

. set scheme *schemename*

Example: . set scheme lean1

Method 2: Using the graph option **scheme( )** within your graph command

, scheme(*schemename*)

Example: , scheme(lean1)

Tip! How To Set Your Favorite Scheme as the default

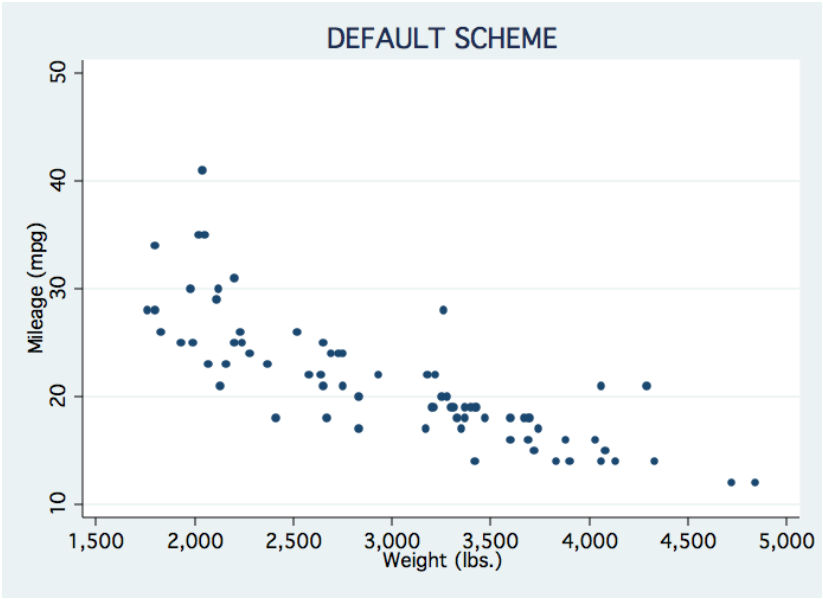
Suppose you want the scheme **lean1** to be the default scheme.
Type the following in the command window

. set scheme lean1, permanently

Illustrations of Selected Graph Schemes

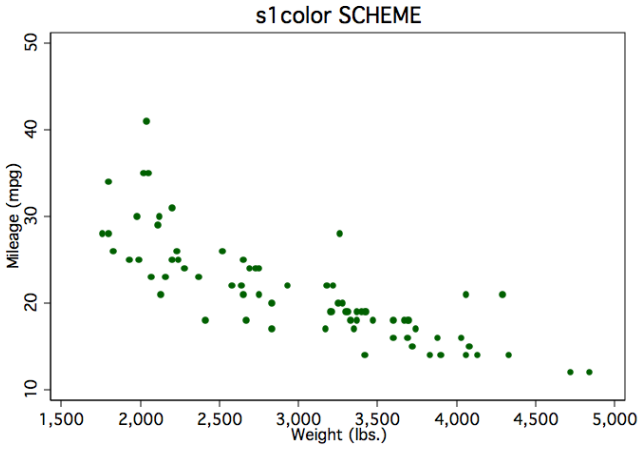
Default is s2color (no changes made yet)

```
. * DEFAULT SCHEME
. scatter mpg weight,title("DEFAULT SCHEME") xlabel(1500(500)5000) ylabel(10(10)50) msymbol(o)
```



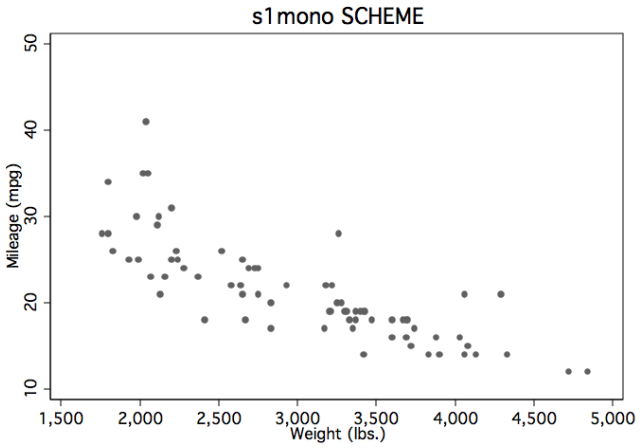
s1color

```
. * s1color SCHEME
. set scheme s1color
. scatter mpg weight,title("s1color SCHEME") xlabel(1500(500)5000) ylabel(10(10)50) msymbol(o)
```



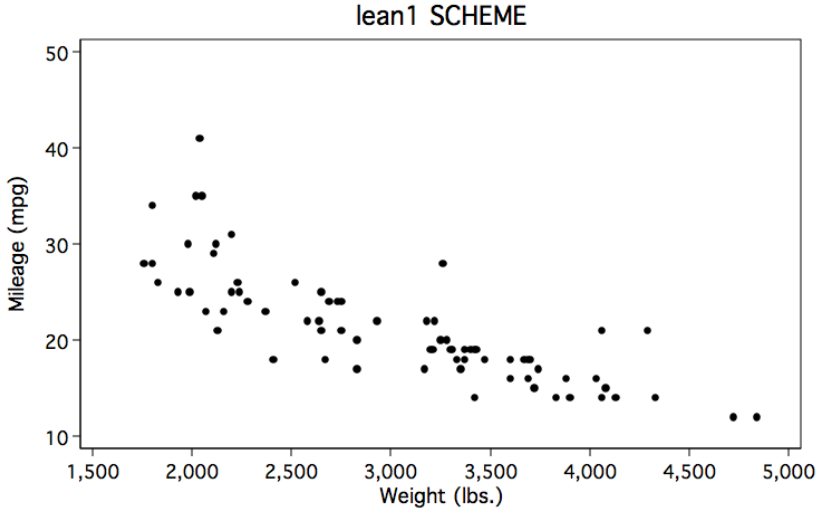
s1mono

```
. * s1mono
. set scheme s1mono
. scatter mpg weight,title("s1mono SCHEME") xlabel(1500(500)5000) ylabel(10(10)50) msymbol(o)
```



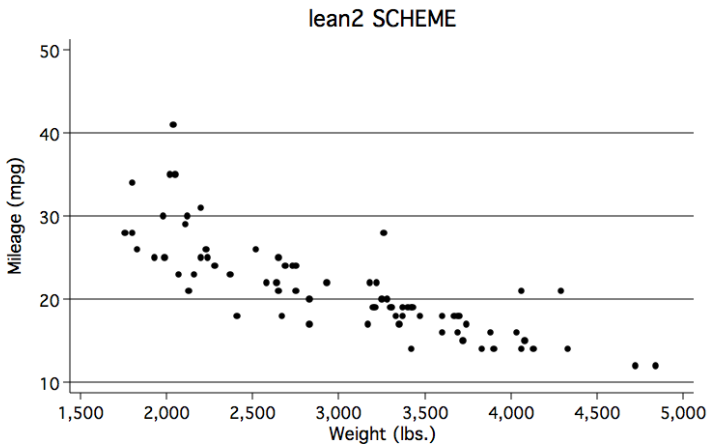
lean1

```
. * lean1
. set scheme lean1
. scatter mpg weight,title("lean1 SCHEME") xlabel(1500(500)5000) ylabel(10(10)50) msymbol(o)
```

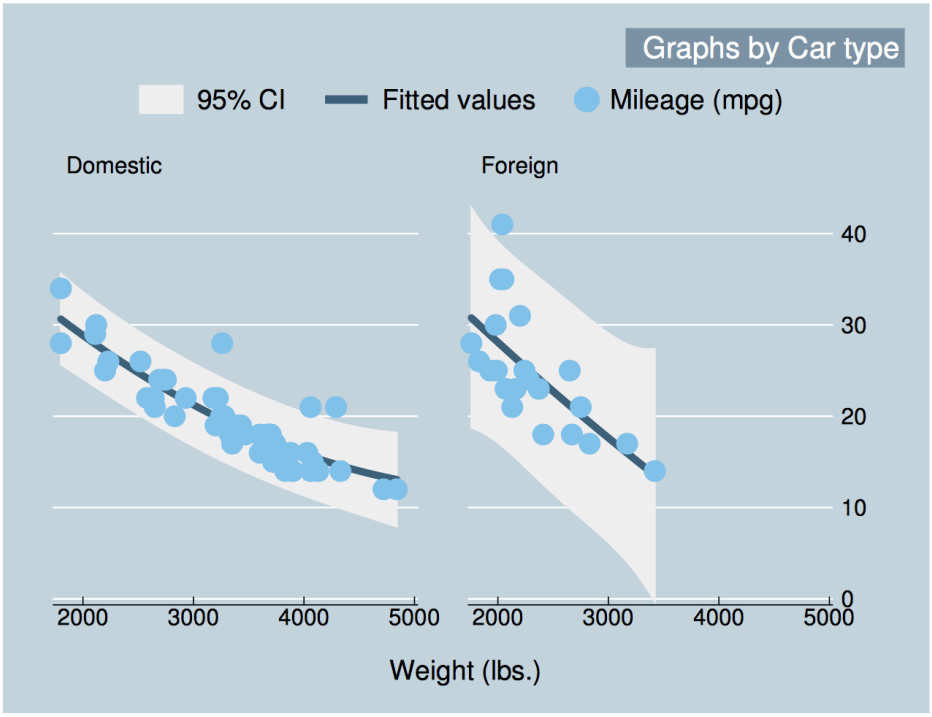


lean2

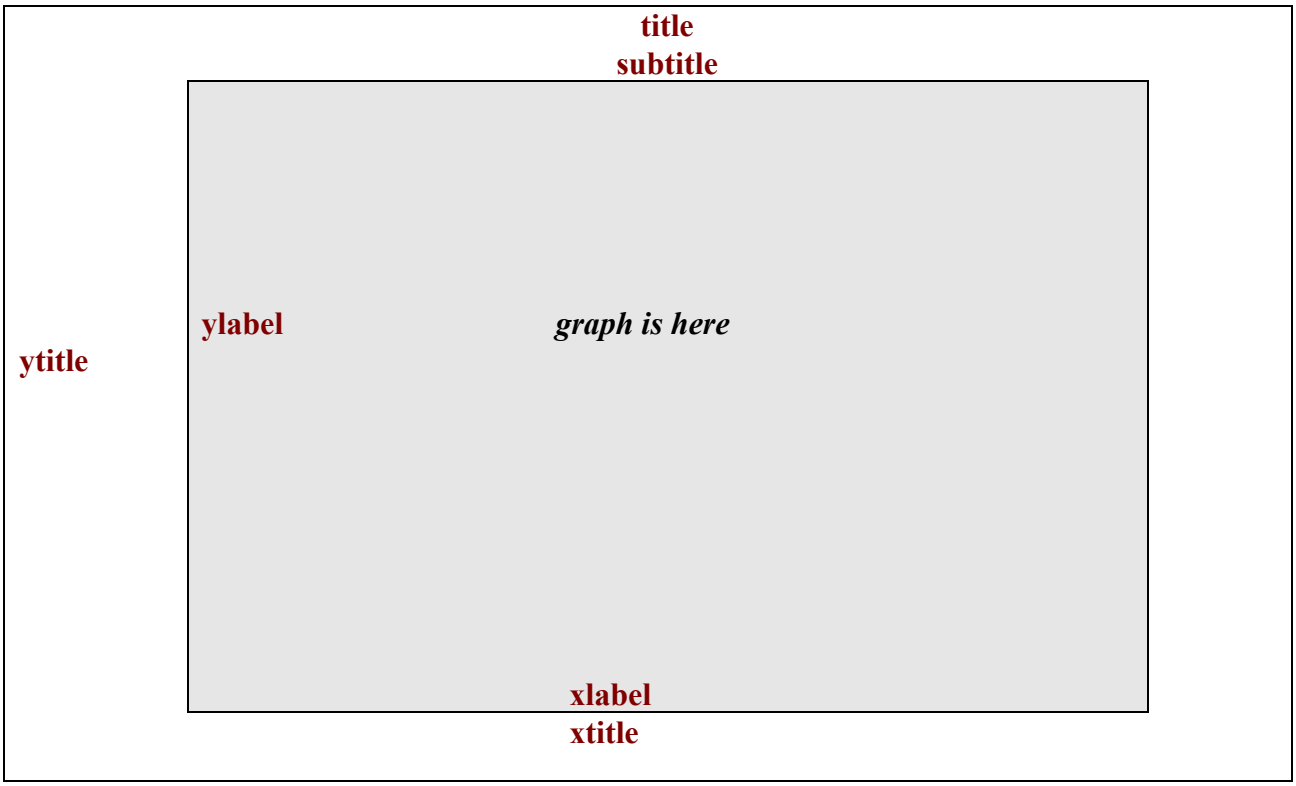
```
. * lean1
. set scheme lean2
. scatter mpg weight,title("lean2 SCHEME") xlabel(1500(500)5000) ylabel(10(10)50) msymbol(o)
```



economist



Key to Plot Area



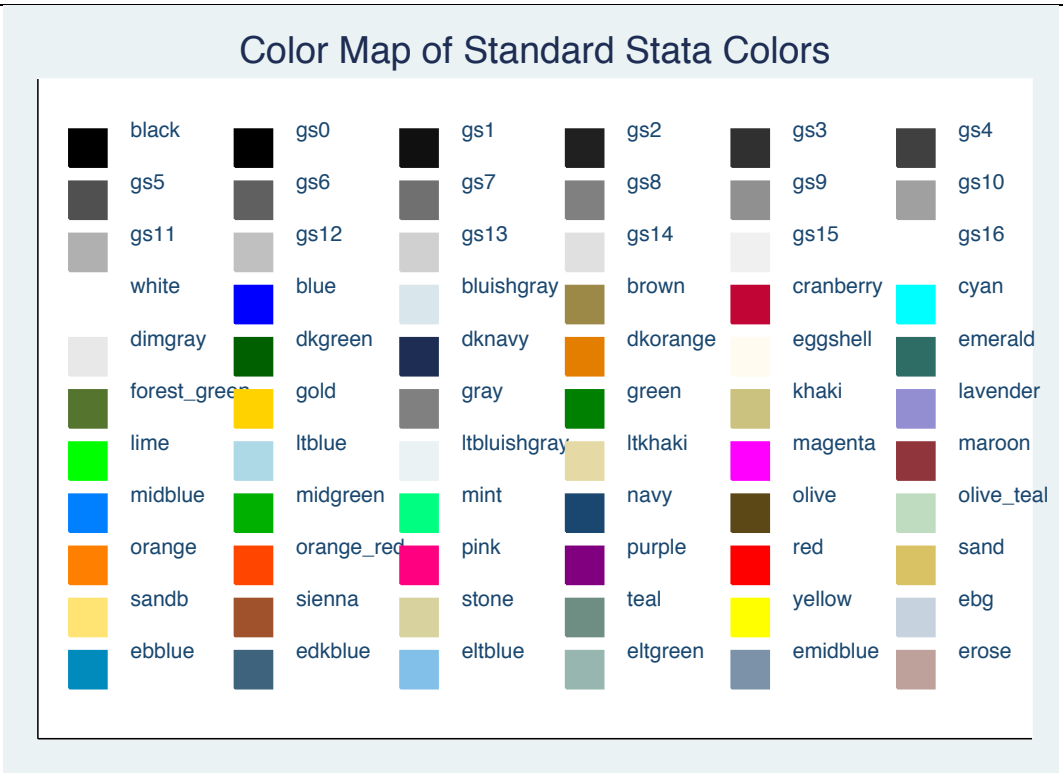
Key to Positions

`position()` specifies a direction *(sic)* according to the hours of a 12-hour clock and `ring()` specifies how far from the plot region the title is to appear.

Interpretation of clock `position()ring(`k`)`, $k > 0$ and `ring(0)`

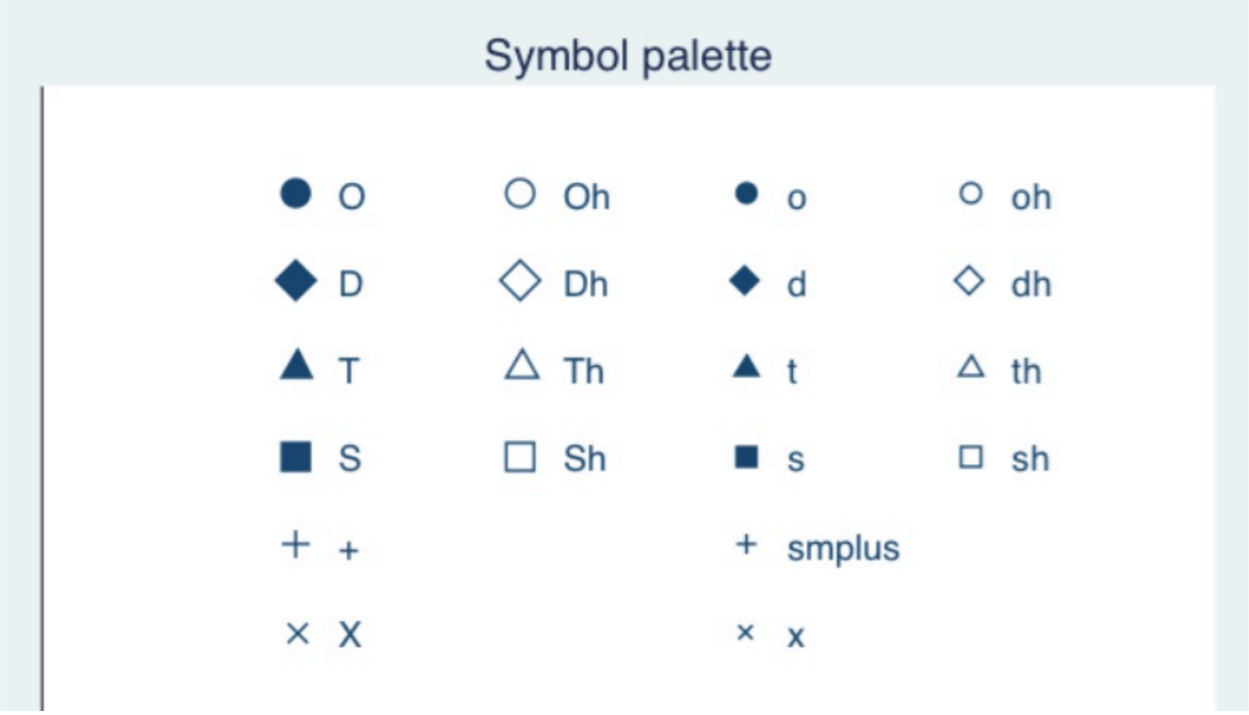
	11	12	1	
10	10 or 11	12	1 or 2	2
9	9	0	3	3
8	7 or 8	6	4 or 5	4
	7	6	5	

Color Palette



Symbol Palette

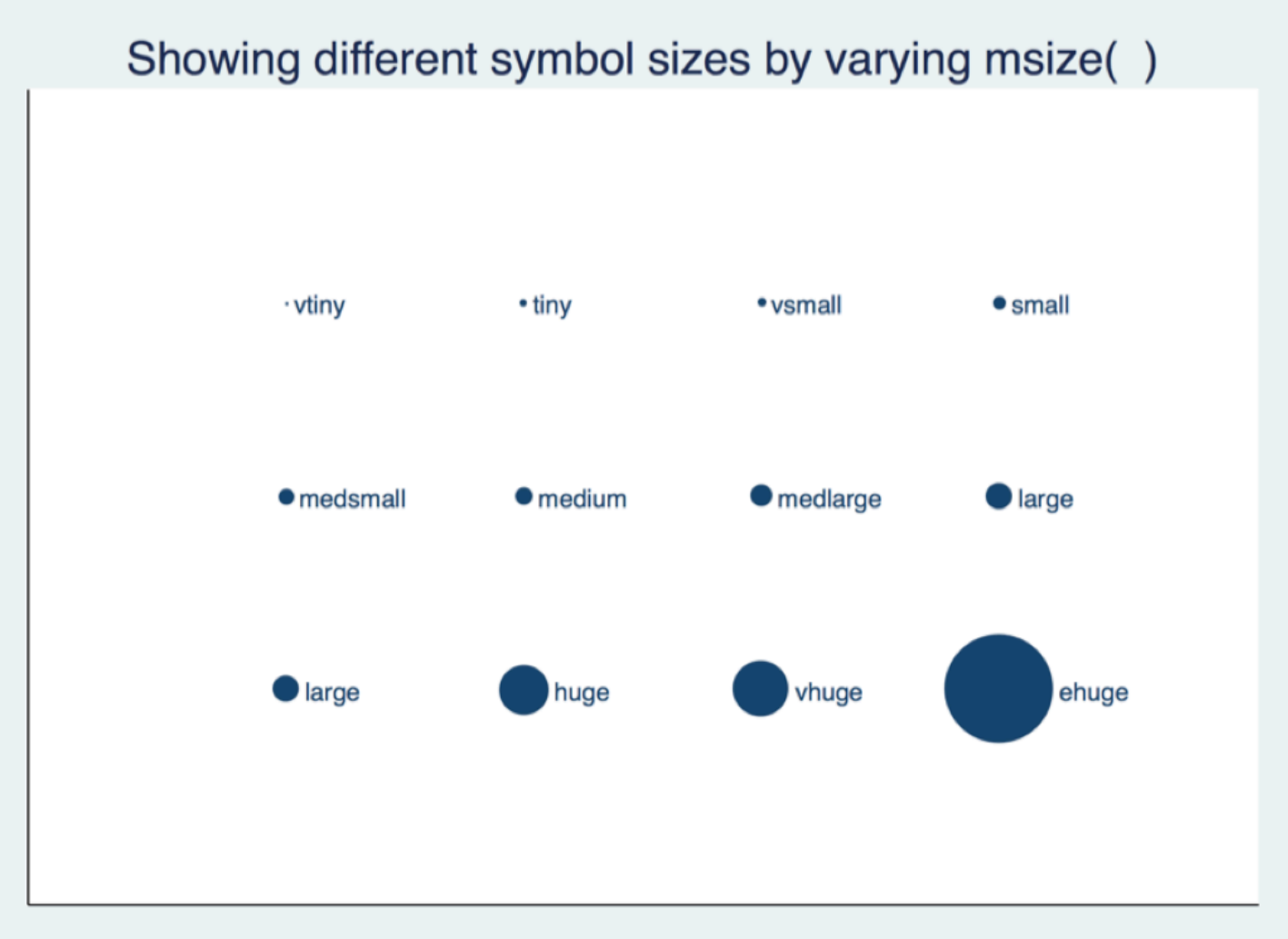
- A variety of symbol shapes are available: use `palette symbolpalette` to seem them and `msymbol()` to set them



Marker Size Palette

.* To see your marker size choices
.showmarkers, over(msize)

.* To set your your marker size, include in your graph options
msize( )



Line Type Palette

.* To see your line type choices
.palette linepalette

.* To set your line type, include in your graph options
linetype( )

```
palette linepalette
```