

### General Syntax

```
proc sgplot data=sashelp.class;  
  scatter x=height y=weight;  
  ellipse x=height y=weight;  
run;
```

### Basic Types

Basic scatter, series, step, band, needle, vector

Fit and confidence loess, regression, penalized B-Spline curves, ellipses

Distribution box plots, histograms, normal and kernel density estimates

Categorization dot plots, bar charts, line plots

Basic and Fit and confidence plots may be used together, otherwise different categories must not be mixed. Box plots cannot be combined.

### Plot Axes

Axis XAXIS, X2AXIS, YAXIS,  
Statements Y2AXIS

Axis Types Discrete, Linear, Logarithmic, Time

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By [deleted]

[cheatography.com/deleted-949/](https://cheatography.com/deleted-949/)

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