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 Statements	XAXIS, X2AXIS, YAXIS, Y2AXIS
Axis Types	Discrete, Linear, Logarithmic, Time