

## PROC SGPLOT

To explore your data graphically, you can use PROC SGPLOT. PROC SGPLOT creates individual plots and charts of various types with extensive overlay capabilities. Each type of plot has its own statement. A subset of these statements is shown here. The syntax for all of these statements is very similar. Depending on the type of plot, you must specify one of the following: a category-variable (which classifies the observations into distinct subsets), the response-variable, or variables for the X and Y axes.

Let's quickly review the types of plots you can create by using the statements shown here. The DOT statement creates a dot plot. The HBAR statement creates a horizontal bar chart. The HBOX statement creates a horizontal box plot. The HISTOGRAM statement creates a histogram that displays the frequency distribution of a numeric variable. The NEEDLE statement creates a plot with needles connecting each point to the baseline. The REG statement creates a fitted regression line or curve. The SCATTER statement creates a scatter plot. The VBAR statement creates a vertical bar chart. The VBOX statement creates a vertical box plot. For additional information about the syntax of PROC SGPLOT, see the SAS documentation.