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Sas graph legend example

When a graph includes several markers or line styles, it is often useful to create a legend that explains the relationship between the data and the symbols, color, and line styles in the graph. The SGPLOT procedure does a good job of automatically creating and placing a legend for most graphs. However, sometimes it is useful to override the procedure's default choices. This article describes five tips that you can use to customize the content and placement of legends. <a href="https://burnel.com/burne

title "Linear Regression for Weight and Height"; title2 "The legend is unnecessary"; proc sgplot data=Sashelp.Class /* NOAUTOLEGEND */; scatter x=Height y=Weight / nomarkers; footnote J=L "Use the NOAUTOLEGEND option to suppress the legend"; run; footnote; 2. Choose which components appear in the legend In some graphs that overlay multiple components are self -explanatory and do not need to appear in the legend.

You can choose which components appear in the legend by using the NAME= option on the statements and using the KEYLEGEND statement to specify the contents of the legend. For example, the following statements or appear in the legend, use the NAME option to identify each component and use the KEYLEGEND statement to specify the contents of the legend. The Verlay Least Squares Fit and the legend, use the NAME option controls whether the legend and save the KEYLEGEND statement to specify the contents of the legend. The KEYLEGEND statement supports the LOCATION= and POSTITION= options, which appears inside or outside of the graph area. The POSTITION= option controls whether the legend appears inside or outside of the graph area. The POSTITION= option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls which attribute! Therefore, I can newer remember which option controls whic

A situation where this comes up is when you want to overlay a group of curves on a scatter plot. The LEGENDITEM statement (supported in SAS 9.4M5) enables you to specify what combination of markers and line patterns you want to appear for every item in a legend. It is a "super customization" statement that gives you complete control over the legend items. joruzifanazaxi The following statements show how to use the LEGENDITEM statement to create a customized legend. By default, if you use the REG statement with the GROUP= option, the legend will show only the colors and line patterns for the regression lines. In the following example, I have used the ATTRPRIORITY=NONE option to force the marker symbols to differ between groups. I want the legend to show not only the colors and patterns of the regression lines but also the marker symbols for each group: /* ensure order of BP_Status; run; ods graphics / attrpriority=none; title "Patients by Blood Pressure Status; proc sgplot data=Heart; styleattrs dataline name="N" / label="Normal" | label="Normal

lineattrs=GraphData2 markerattrs=GraphData2; legenditem type=markerline name="0" / label="Optimal" lineattrs=GraphData3; keylegend "0" "N" "H" / title="BP Status"; run; In summary, PROC SGPLOT in SAS supports several ways to create, suppress, position, and customize the items in a legend. Do you have a favorite way to customize a legend in PROC SGPLOT?

Leave a comment! SUBSCRIBE TO THE SAS TECH REPORT Tags Statistical Graphics Tips and Techniques Plot statements included in the graph definition can contribute to the legend(s). This can happen automatically, or can be customized using the KEYLEGEND statements. For plot statements in the graph definition can contribute to the legend(s). This can happen automatically, or can be customized using the KEYLEGEND statement. For plot statements in the graph definition can contribute to the legend, along with their graphical representation in the plot. For plot statements that are classified by a group variable, the "LegendLabel" value is displayed in the legend. On the graph legend that is not directly generated by the plots that are visible in the graph logion or, we may want to modify the contents of the legend. In situations like this, we needed to resort to some "tricks" or use annotation to achieve our results. My preference is to use plot statements in the code that generate the desired entry into the legend, without displaying anything in the graph itself. For examples of such usage, see the Survival Plot. In this case, (see the last example), I use an extra scatter plot to include non-grouped items in the "Censored" legend. Also, in this example of the Swimmer Plot, I used three additional scatter plot statements to insert items into the legend. Some creative work to avoid the display of the item in the graph itself. With SAS 9.40M5, this becomes a lot easier and logical using the LEGENDITEM statement now included with the SGPLOT procedure. This statement now included with the SGPLOT procedure. This statement allows you to define a legend item, including the graphical representation and the textual information for inclusion into legend without the need of any "ghosty" plot statement and its usage is as follows: legenditem type=marker name="tem", marker* type legend 'tem", in the graphical representation is based on the item, "Marker", "Marker", "Marker", "Marker", "Marker", "Marker", "Marker", "Marker", "Marke