What’s New in SAS Visual Statistics 7.5

The following sections list the new features and enhancements since SAS Visual Statistics 7.4 was released.

General Enhancements

- The user interface has been rewritten in HTML5. Previously, many SAS applications and SAS solutions used the Adobe Flash Player to provide interactive user interfaces. Adobe announced that it intends to end support for Flash technology and will cease to update and distribute the Flash Player at the end of 2020. Browser vendors will disable Flash by default in 2019. For more information about Adobe Flash end-of-life, see [SAS Software and Its Use of the Adobe Flash Player](#).

- The SAS Visual Analytics Explorer (the explorer) and the SAS Visual Analytics Designer (the designer) interfaces have been combined into a single interface. You now access SAS Visual Statistics features in this interface.

- A new maximize mode enables you to see detailed information about any object, which is especially useful for analytical models. You can maximize an object at any time to expand it to the full size of the canvas and display the details table for the object. Only a single object can be maximized at one time. For more information, see “Maximizing Objects” in [SAS Visual Analytics: Working with Report Content](#).

- There are new local settings that are specific to SAS Visual Statistics. You can specify the following settings:
  - Sort categorical response levels in descending order, which specifies your preference for sorting categorical response levels. This setting is selected by default.
  - Default statistic for Model Comparison, which specifies your preference for Category Response and Measure Response.


- You can create a new interaction effect by right-clicking one or more data items in the Data pane and selecting New interaction effect.

- You can specify KS (Youden) and Misclassification Rate (Event) as the assessment Statistic to show for models with a categorical response variable.

- You can specify how the subplots within objects are displayed on the canvas with the Plot layout option. Fit aligns all of the subplots on the canvas automatically. Stack displays the subplots as if they are in a slide...
deck where only one object is displayed at a time. The Stack option replaces the ability to maximize individual subplots.

- You can select Duplicate as to duplicate an object and change its type at the same time.
- You can specify whether chart legends are visible.
- You can no longer remove diagnostic plots from the report canvas.
- You can use the Internal padding style option to specify the amount of empty space to display between the object’s subplots.

**Cluster Object**

- You can reverse the sorting of one or more variables on the Parallel Coordinates plot axis from the pop-up menu. This can be useful when comparing variables that are inversely correlated.
- You can specify how the heat map of the observations is displayed with the Binned plot style option. You can display a Clustered heat map, Heat map, or Bubble plot. The default plot is the Clustered heat map.
- The Explore option in the pop-up menu of the Cluster Matrix is now called the Isolate option. If Clustered heat map is specified for the Binned plot style, then stacked bar charts that show additional information about the effect pair are displayed.
- You can no longer create a box plot of a variable by cluster ID.

**Decision Tree Object**

- The Leaf Statistics plot shows percentages by default.
- You can no longer create a visualization from a node in the Tree plot.
- Diagnostic plots are shown by default. You cannot remove the diagnostic plots from the report canvas.

**Generalized Linear Model Object**

- You can specify Average Squared Error (ASE) as the assessment Statistic to show.
- New detail tables for Model Information, Assessment, and Assessment Statistics are available.
- In the Fit Summary chart, you can select data items, right-click, and select New object from selection to create a new object with all the selected variables.
- You can no longer plot residuals by selected variables in the Residual Plot.
- You can no longer plot influence values by selected variables in the Influence Plot.

**Linear Regression Object**

- New detail tables for Assessment and Assessment Statistics are available.
- In the Fit Summary chart, you can select data items, right-click, and select New object from selection to create a new object with all the selected variables.
- You can specify whether to show or hide the Influence Plot.
- You can no longer plot residuals by selected variables made in the Residual Plot.
- You can no longer plot influence values by selected variables made in the Influence Plot.
Logistic Regression Object

- New detail tables for Model Information, Lift, ROC, and Assessment Statistics are available.
- In the Fit Summary chart, you can select data items, right-click, and select New object from selection to create a new object with all the selected variables.
- You can specify whether to show or hide the Influence Plot.
- You can no longer plot residuals by selections made in the Residual Plot.
- You can no longer plot influence values by selections made in the Influence Plot.

Model Comparison Object

- You can export the score code of the champion model.
- Model Comparison objects are saved in the reports.