

BUSINESS ANALYTICS

Ayush Jain | 60004200132 | B3

EXPERIMENT – 7

AIM: To work with graph level display rule in SAS Visual Analytics.

THEORY:

Graph Level Display Rules:

Display rules include all types of highlighting of objects. They provide a flexible structure to specify conditions. There are several types of display rules. Display rules enable conditions to be shared across objects, but not all display rules apply across all object types.

The Display Rules pane enables you to populate intervals (for gauge objects), add intervals, or add colour-mapped values for the object that is currently selected on the canvas. You can use this pane to specify both report-level or object-level display rules, depending on what you have selected on the canvas. The Display Rules pane always shows the unformatted value that is used in the display rule.

You can use the Display Rules pane to add alerts when you create an expression-based display rule. An alert for a display rule notifies users via email when the alert condition is met. You can specify how frequently the system checks to see whether the alert condition has been met. You can also specify how often users are notified. For more information, see [Working with Alerts](#).

Here are some key points about expression-based display rules:


- Expression-based display rules can accept numeric parameters. For more information about parameters, see [Working with Parameters in Reports](#).
- Expression-based display rules can be based on a date. The date can be selected from a calendar.

For list tables and graphs, you can create display rules that reference a measure that is not included in the currently displayed object. This feature is not available for crosstabs.

Here are some key points about color-mapped display rules for all objects:

- Color-mapped values for an object can be applied only to category data items.
- Color-mapped values cannot be applied to date or datetime data items.
- Color-mapped display rules are not applied if there are two measures assigned to the same axis.
- Color-mapped display rules can be added to a waterfall chart only if you clear the Color by direction of value change check box in the Options pane.
- Color-mapped display rules can use a data item in the hidden data role.
- Alerts are not available for color-mapped display rules.

A report-level display rule applies to all objects in a report.

1. If the Display Rules pane is not already displayed, click .
2. Without any objects on the canvas selected or the page selected, click New rule. The New Display Rule window is displayed.
3. Click add symbol. Enter a value for the display rule in the field.
4. Select a color for the display rule.
5. (Optional) Repeat the steps for entering a value and selecting a color.
6. (Optional) Select the Other check box. Then, select a color for any other categories that do not have an assigned color.
7. Click OK. The objects in the report update with the new report-level display rule.
8. (Optional) Position your pointer over the report-level display rule name in the Rules pane, and then click edit symbol to edit the new report-level display rule.

CODE AND OUTPUT:





CONCLUSION: In conclusion, working with graph level display rules in SAS Visual Analytics allows users to highlight specific objects and specify conditions for their display. Display rules provide a flexible structure for organizing and presenting data in a visually appealing manner. By using the Display Rules pane, users can add alerts, intervals, and color-mapped values to their graphs, enabling them to gain valuable insights and make informed decisions.