SAP Lumira Discovery – Conditional Formatting

Version 1.0

Author-Shivani Kaushal

Date: 14th August 2018

Purpose

This blog summarizes the concept of "Conditional Formatting in SAP Lumira Discovery". This is high level document assumes resource has basic knowledge of SAP Lumira concepts.
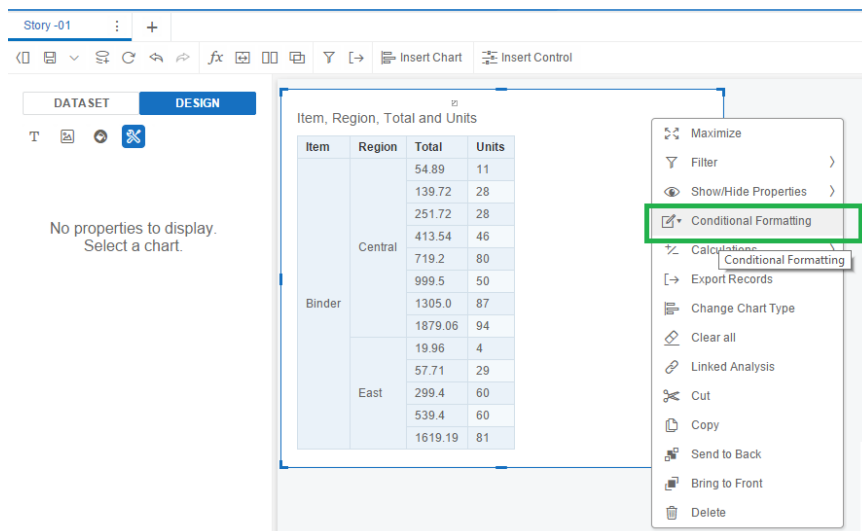
Conditional Formatting

Conditional formatting is a type of formatting which highlights some specific set of values in the visualizations based on the rules defined by the user. With the help of this, we can specify low or high values with the specific colors and symbols.
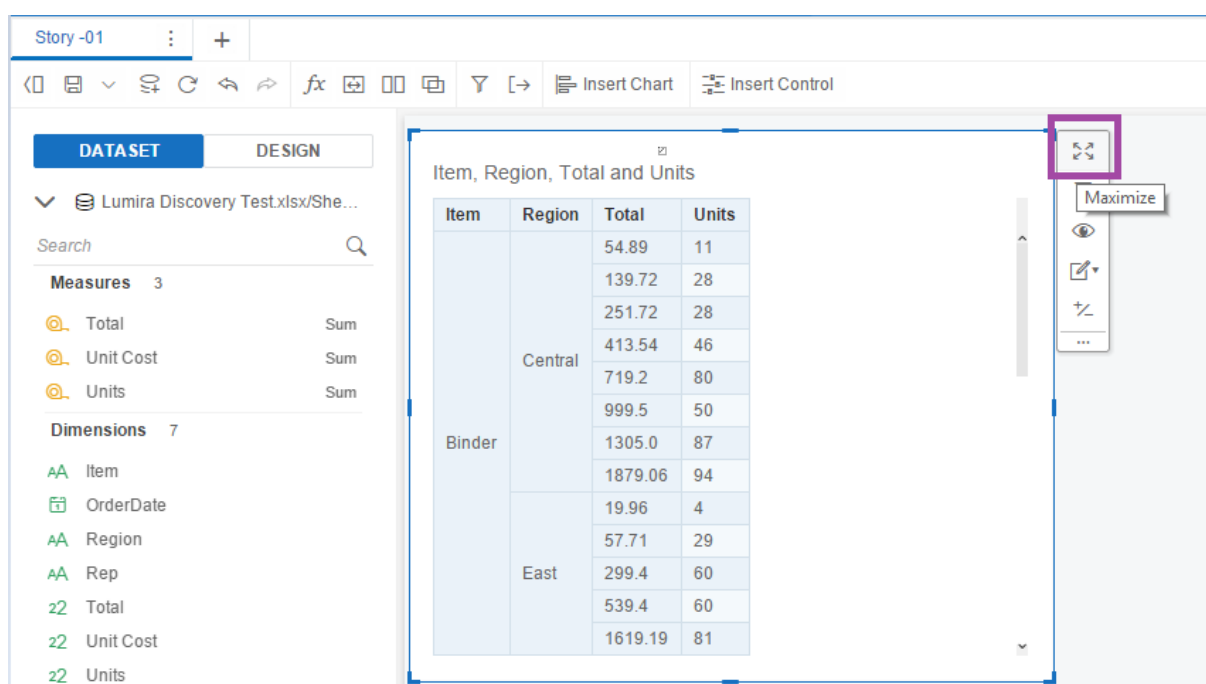
In SAP Lumira discovery, Conditional formatting can be applied to Charts and Crosstab, but this option is not available for some specific charts like geo map, heat map, tree map and funnel chart. Morever, the rules defined during the design time can be accessed globally i.e. applicable for all the visualizations existing in the application.

How do we apply "Conditional Formatting"?

- Right click on the visualization and select **"Conditional Formatting"** option from the context menu.

Alternatively, we can also select this by maximizing the visualization by clicking on below highlighted option

And then select "**Conditional Formatting**" option from the visualization toolbar as highlighted below

- **"Conditional Formatting Rules Manager"** Dialog box will be appeared in which we can create, edit or delete conditional formatting rules.

- We can create rules based on measures and dimensions (available in our data) as per our requirement by filling required details in the below dialog box pops up after clicking on **"New Measure Rule"** and **"New Dimension Rule"** respectively.

New Measure Rule

Name: _____   Based On: Row ID ⌄

Defined Rules   +

Preview | greater than ⌄ | | | Fill: ⌄ ✓ 🗑

ⓘ For Crosstab   Text: ___ ⌄ **B** *I* ⌄   Symbol: None ⌄ ⌄

Apply Formatting for Crosstab

☑ Data Cells

OK   Cancel

New Dimension Rule

Name: | _____   Based On: Row ID ⌄

Defined Rules   +

Preview | in list ⌄ | Click to Open List of Values | Fill: ⌄ ✓ 🗑

ⓘ For Crosstab Text: ___ ⌄ **B** *I* ⌄

Apply Formatting for Crosstab

☐ Member ☑ Data Cells

OK   Cancel

- Here, we are creating dimension rule named "**test1**" based on "**Region**" for which we want to highlight "Central" and "East" region. So, fill the required details and click on **OK.**

Please note, we have only ticked the "**Member**" checkbox as highlighted in above figure because we don't want to highlight the values corresponding to that region. If we want to do so, then tick both check boxes.

- After that tick on "**Applied**" checkbox to apply the rule and press **OK** button

- In this way, conditional formatting rule is applied to the visualization represented by the highlighted "**Central**" and "**East**" values in the **Region** column.

Item, Region, Total and Units

Item	Region	Total	Units
Binder	East	57.71	29
		299.4	60
		539.4	60
		1619.19	81
	West	139.93	7
		1139.43	57
Desk	Central	250.0	2
		625.0	5
	West	825.0	3
Pen	Central	539.73	27
	East	299.85	15
		479.04	96
		575.36	64
	West	151.24	76
Pen...	Central	249.5	50
		479.04	96
		686.95	55
		1005.9	42
	East	255.84	16

- Similarly, we can create **Measure** rule as we are creating below for "**Sales**" measure for which values greater than 200k will be highlighted.

Like dimensions, there is no such option available for measures to highlight "Member". We can only highlight data values here.

- As a result, "**Sales**" values greater than 200k are highlighted in pink as seen in below chart.