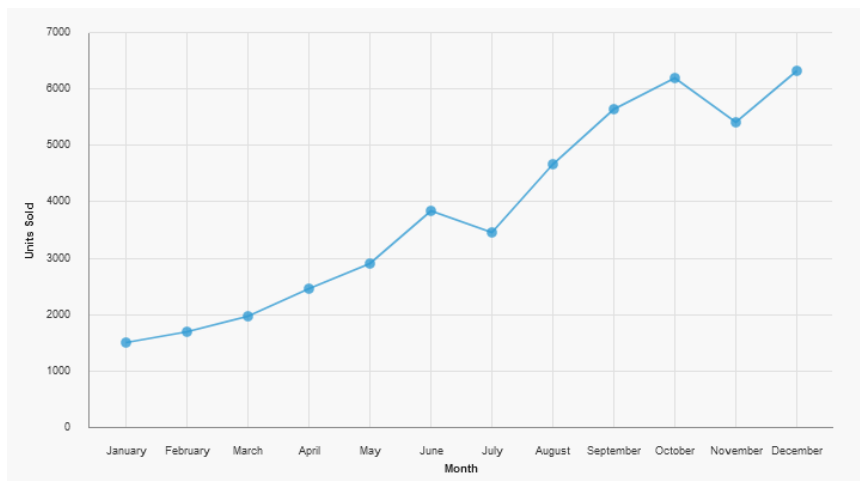
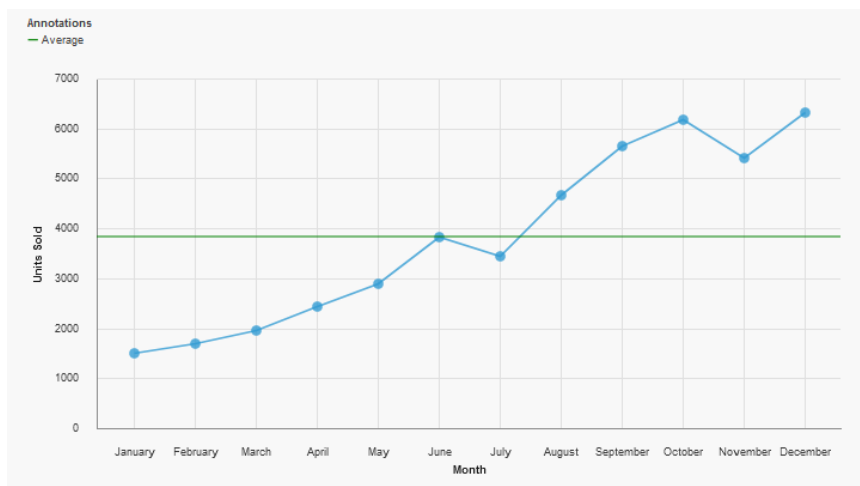


How do I add an average line (baseline) to a visualization?

Suppose you have a Line visualization showing units sold by month:



How does each point relate to the average? Is it above or below? To answer this question, we can add an Average baseline, like this:



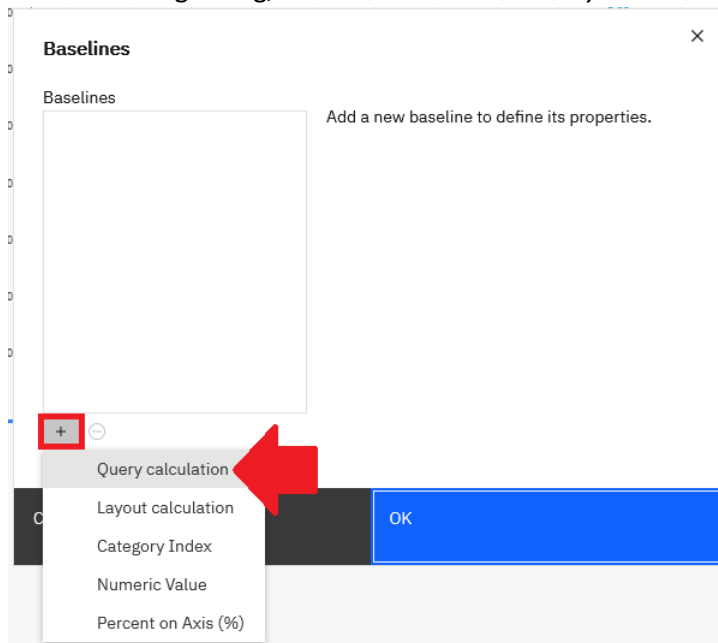
Add a baseline

1. Select the Line visualization and click the ellipsis button next to the *Baselines* property:

The screenshot shows a line chart visualization with a grid. The x-axis is labeled 'Month' and includes ticks for April, May, June, July, August, September, October, November, and December. The y-axis is unlabeled. A blue line with circular markers connects data points for each month. A red text label 'Select' is positioned near the July data point. Above the chart, a dark blue banner contains the text 'Double-click to edit text'. To the right, a properties panel is open, showing various settings for the visualization. The 'Baselines' property is highlighted with a red rectangular box. The properties panel includes sections for 'CONDITIONAL', 'GENERAL', 'MISCELLANEOUS', 'VISUALIZATION', 'LINE', 'COLOR PALETTE', 'ANNOTATIONS', and 'ITEM AXIS'.

Property	Value
Type	com.ibm.vis.line
Autochart	<input type="checkbox"/>
Name	Line
Alternate text	None
Size	700px 400px
Show markers	<input checked="" type="checkbox"/>
Marker shape	Circle
Show value labels	<input type="checkbox"/>
Value label format	Value
Value label font	
Value label color	
Contrast label color	<input type="checkbox"/>
Label shadow	<input type="checkbox"/>
Baselines	<input type="text"/> ⋮
Show item axis title	<input checked="" type="checkbox"/>

2. In the resulting dialog, click *New* and select *Query calculation*:

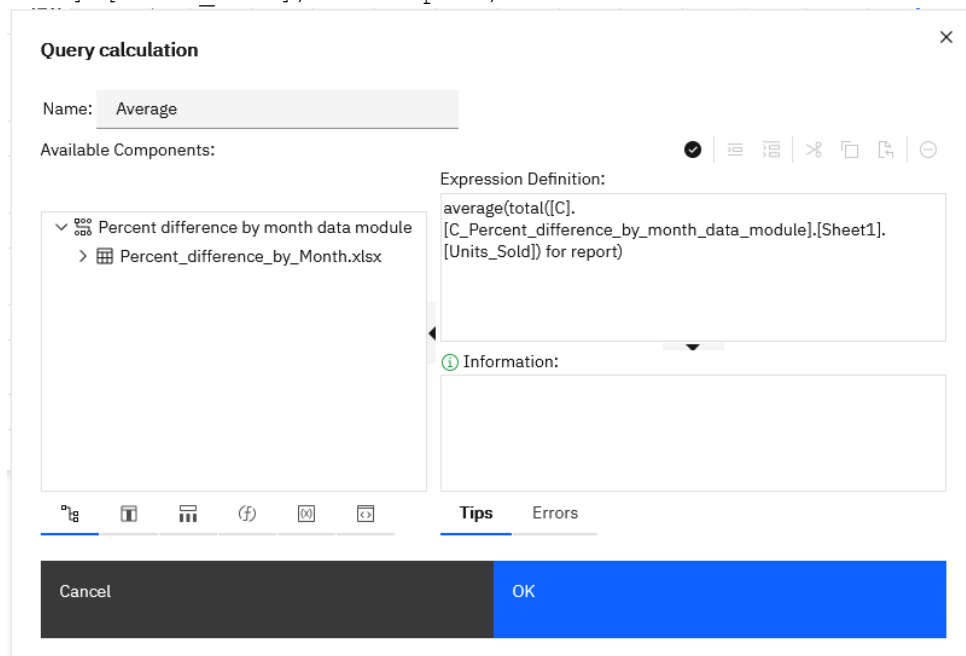


3. Enter the following:

a. Name: Average

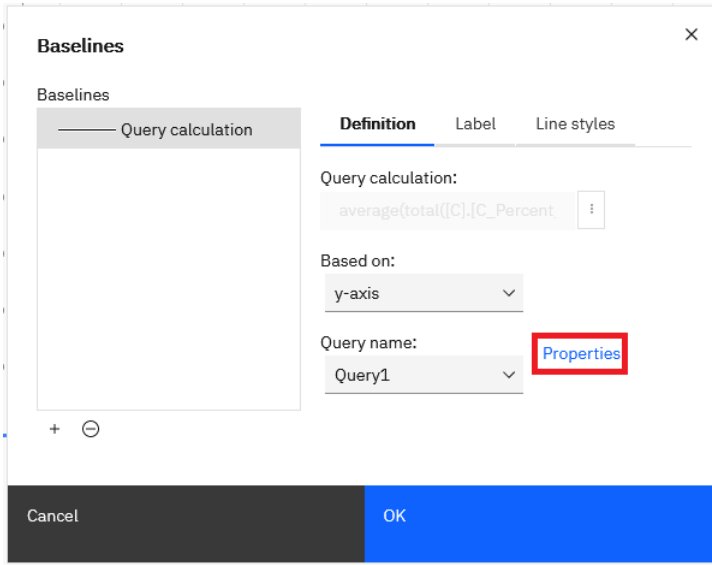
b. Expression Definition:

```
average(total([C].[C_Percent_difference_by_month_data_module].[Sheet1].[Units_Sold]) for report)
```

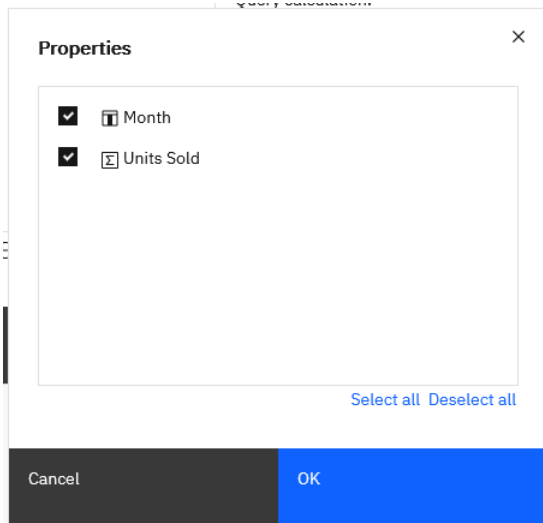


c. Click *OK*

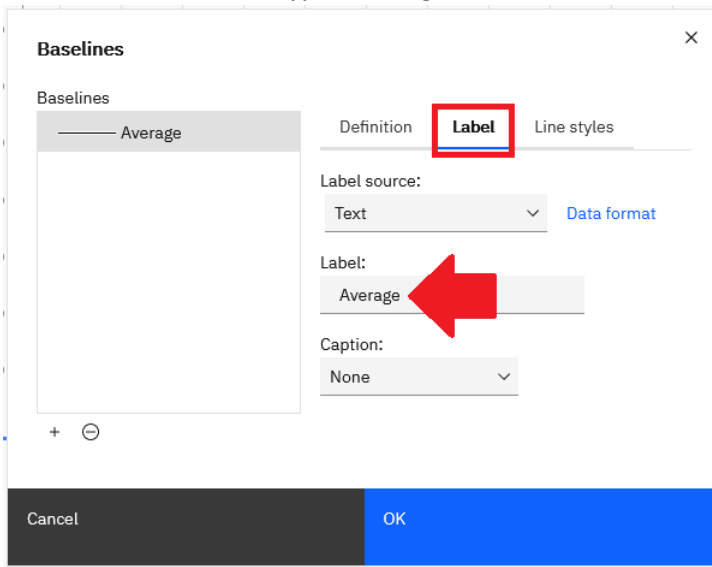
4. Click the *Properties* link:



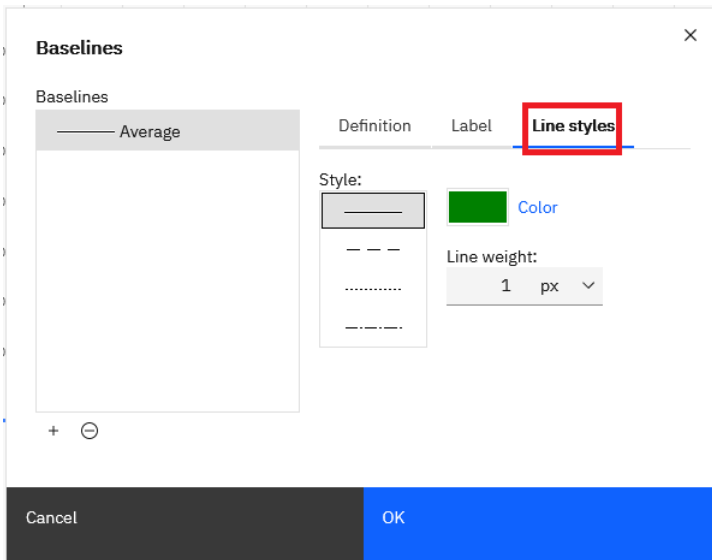
5. Select all the available checkboxes and click *OK*:



6. Click the *Label* tab and type “Average” in the *Label* textbox:



7. Click the *Line styles* tab and change the *Color* to Green:



8. Click *OK*

9. The report now looks like this:

