

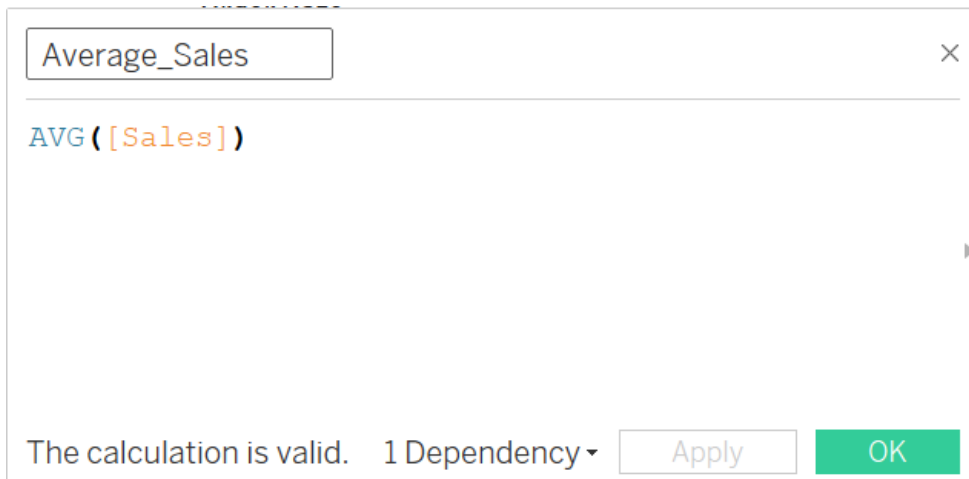
Day 9 (By Ninad Mandavkar)

Day 9

- 1) a) Show the average sales for each year and each month. Show the overall average sales of all the months using a reference line and highlight those months for which the sales value is more than overall average sales value.

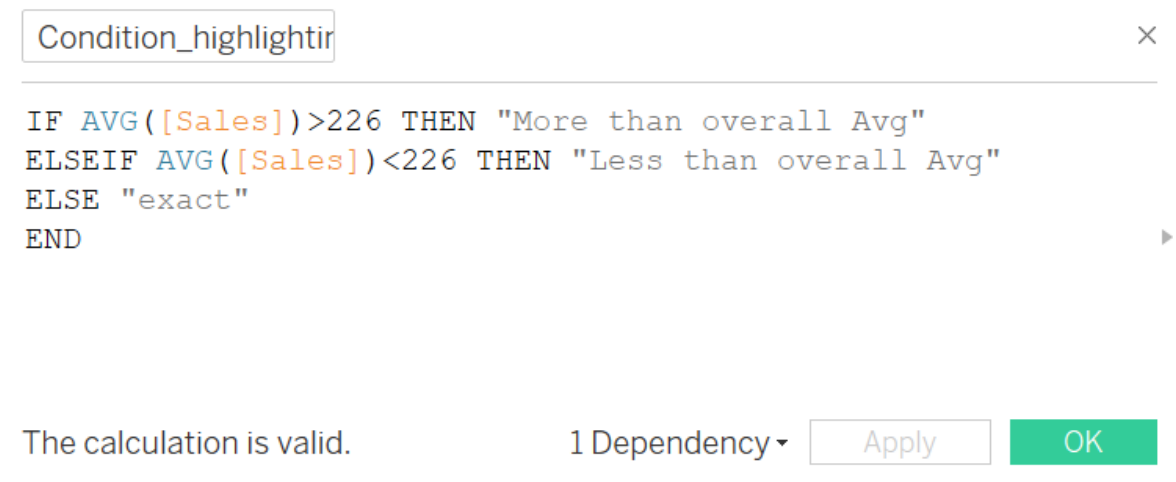
ANS:

- a) First create a Calculated Field by the name of 'Average Sales.



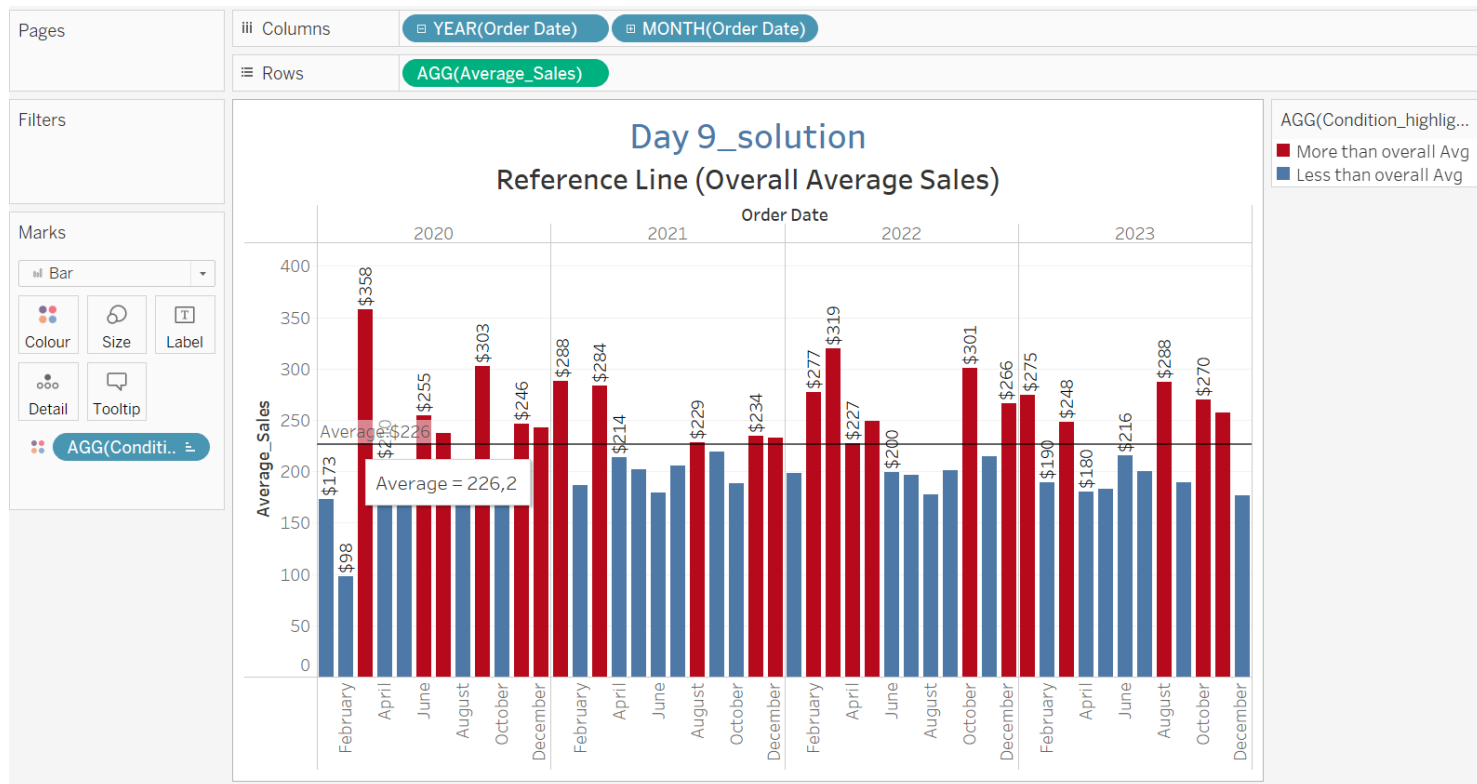
A screenshot of a dialog box for creating a calculated field. The title bar says 'Average_Sales'. The main text area contains the formula `AVG([Sales])`. At the bottom, it says 'The calculation is valid. 1 Dependency' followed by 'Apply' and 'OK' buttons.

- b) Once created make another Calculated Field called 'Condition_Highlighting_Months'. Here I have calculated 226 as the total average value first using Reference line.



A screenshot of a dialog box for creating a calculated field. The title bar says 'Condition_highlighting_Months'. The main text area contains the formula:
`IF AVG([Sales])>226 THEN "More than overall Avg"`
`ELSEIF AVG([Sales])<226 THEN "Less than overall Avg"`
`ELSE "exact"`
`END`
At the bottom, it says 'The calculation is valid. 1 Dependency' followed by 'Apply' and 'OK' buttons.

- c) Once done, customise the settings in Reference line and get the visual as follows:



b) Show the scatter chart between sum of sales and sum of profit for all the orders. Show the trend line and write down the observations using the Annotate option.

ANS:

First drag and drop Profit and Sales in Rows and Columns respectively. Then drop Order ID in the colour shelf to get the scatter plot. Trendline can be created further by selecting 'Analytics > Trendline'. Drag Trendline to the pane and then select whichever Trendline suitable for the visual. Annotations can be created by selecting a particular co-ordinate from the scatter plot and then right-clicking and selecting 'Annotate'. The visual thus formed is shown as follows:

