DAX functions for measures:

Total Revenue = SUMX('Fact sales table','Fact sales table'[Quantity]\*'Fact sales table'[UnitPrice])

Total Budget = sum(Budgets[Budget])

How to add measure in one table

1. Click home then go to enter data
2. Rename as measure table and click load
3. Then click the measure and in the top left there is home table change suppose if the measure is currently in sales table to home table will show sales table, change it to measure table

How to create table without transforming the table or without querry

Just add at New table and name it My calender and write the following function

My Calender =

ADDCOLUMNS(

CALENDARAUTO(),

"Year",YEAR([Date]),

"Month",FORMAT([Date],"mmm"),

"MonthNum",Month([Date]),

"Weekday",FORMAT([Date],"ddd"),

"Weeknum",WEEKDAY([Date]),

"Qtr",FORMAT([Date],"\QQ")

)

Weekend/weekday = if([Weeknum] in {1,7},"Weekend","Weekday")

No. of transactions = COUNTROWS('Fact sales table')

260096

Total quantity sold = sum('Fact sales table'[Quantity])

6381172

How to find out total quantity percentage SALES of each sales person

   PCT of quantity = var \_filtered\_value =

    calculate(

        [Total quantity sold],

         REMOVEFILTERS(

             DIM\_employee[Supervisor]),

             REMOVEFILTERS(DIM\_employee[Salesperson])

)

var measure\_value = [Total quantity sold]

return

    DIVIDE(measure\_value,\_filtered\_value)

PCT of revenue = var \_filtered\_value =

 calculate([Total Revenue],

    REMOVEFILTERS(

        DIM\_employee[Supervisor]),

        REMOVEFILTERS(DIM\_employee[Salesperson])

)

var \_measure\_value = [Total Revenue]

return

    DIVIDE(\_measure\_value,\_filtered\_value)

MOST IMPORTANT

Link : https://www.youtube.com/watch?v=SOHmr89Msu0&t=379s

Timing:6:00

A screenshot of a computer screen

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

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In the below we are going to design our dashboard like if we are selecting the bottom 1 product group so in below only graph of bottom 1 product group is shown and also the title of the graph changes accordingly.

In this we have to add new parameter like: “select to rank”, “choose rank type”, “choose rank”

And measures like ranking, subtitles,

Note: a. “select to rank” is created by going to modeling then new parameter in whatif and then select field.

b. “Chose rank” is done by modeling then new parameter in what if and select numeric range

c. “Choose rank type” is done by creating new table having top as 1 and bottom as 2

1. measure 1:

Ranking =

    VAR \_top\_Product = RANKX(all(DIM\_Product[ProductName]),[Total Revenue],,DESC)

    VAR \_Bottom\_Product = RANKX(all(DIM\_Product[ProductName]),[Total Revenue],,ASC)

    VAR \_top\_Salesperson = RANKX(all(DIM\_employee[Salesperson]),[Total Revenue],,DESC)

    VAR \_Bottom\_Salesperson = RANKX(all(DIM\_employee[Salesperson]),[Total Revenue],,ASC)

    VAR \_top\_ProductGroup = RANKX(all(DIM\_Product[ProductGroup]),[Total Revenue],,DESC)

    VAR \_Bottom\_ProductGroup = RANKX(all(DIM\_Product[ProductGroup]),[Total Revenue],,ASC)

    VAR \_CheckRank =

        if(CONTAINSSTRING(SELECTEDVALUE(SelectTorank[SelectTorank Fields]),"ProductName"),

        if(SELECTEDVALUE('Choose rank type'[Select])="Top",\_top\_Product,\_Bottom\_Product),

        if(CONTAINSSTRING(SELECTEDVALUE(SelectTorank[SelectTorank Fields]),"ProductGroup"),

        if(SELECTEDVALUE('Choose rank type'[Select])="Top", \_top\_ProductGroup,\_Bottom\_ProductGroup)

,

        if(SELECTEDVALUE('Choose rank type'[Select])="Top",\_top\_Salesperson,\_Bottom\_Salesperson)

        )

        )

    RETURN

    if(\_CheckRank<='Choose rank'[Choose rank Value],[Total Revenue])

How to create this type of card: using this we are changing the title of graph chart

i.e if I am typing no,1 and choosing top and in group I am selecting product group, so it will show in cards like this



Measure 2:

Subtitle =

    var \_Ranktype = selectedvalue('Choose rank type'[Select])

    var \_ChooseToRankType = SELECTEDVALUE('Choose rank'[Choose rank])

    var \_selectedRank =

        if(SELECTEDVALUE(SelectTorank[SelectTorank Order])=0,"ProductName",

        if(SELECTEDVALUE(SelectTorank[SelectTorank Order])=1,"ProductGroup",

        "salesperson"

        )

        )

    return

        \_Ranktype&"-"&\_ChooseToRankType&" "&\_selectedRank&" selected"

Note:

Ranktype means Top/Bottom

Choose of rank type means “1,2,3,-----”

Selected rank means :product name, product group, salesperson

New graph:

A graph with a line going up

Description automatically generated

In this what we have to do is suppose in July budget is greater then revenue so we have to change the color of the column to red.

A graph with red and green squares

Description automatically generated

Step1:

New measure:

Conditional column =

    VAR \_revenue = [Total Revenue]

    VAR \_budget = [Total Budget]

    VAR \_result =

        SWITCH(

            TRUE(),

            \_revenue<\_budget,"#F21D1D","#005C53"

        )

    RETURN

        \_result

STEP 2:

1. GO TO VISUALS OF CHART
2. GO TO COLUMN AND IN COLOUR SELECT THE FORMULA FUNCTION
3. IN THE FORMULA FUNCTION IN FORMAT STYLE ,SELECT FIELD VALUE IN IN THIS SELECT MEASURE NAME CONDITIONAL COLUMN

A screenshot of a graph

Description automatically generated

Difference between ranking ascending and descending, ranking sales person is descending and second ranking is ascending.

Using this we can find bottom and top employees

    VAR \_top\_Salesperson = RANKX(all(DIM\_employee[Salesperson]),[Total Revenue],,DESC)

    VAR \_Bottom\_Salesperson = RANKX(all(DIM\_employee[Salesperson]),[Total Revenue],,ASC)

Tooltip: 1. how to add picture of top 3 employees

Link: <https://youtu.be/Wt4oWVUhYjk?si=Uc4avmDY0lIy8tia>

Timing: 30:00

1st: measure

Ranking sales person =

    rankx(all(DIM\_employee),[Total Revenue],,DESC)

tootl tip 2: how to create budget vs revenue tooltip

link: <https://youtu.be/xbdxXWUwgXA?si=kxkusbneuwImo72Q>

measure:

% Revenue vs Budget = divide([Total Revenue],[Total Budget])

Revenue from budget = [Total Revenue]-[Total Budget]

After this use the conditional formatting measure to change the color of gauge bar.

Sales person detail: