

## FOURTEENTH PROGRAM

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### FUNNEL CHART:-

- Double click on Sales.
- Drag and Drop Segment on Colors.
- Drag and Drop Sales on Size.
- View ~~Chart~~ Changed from Standard to Entire view.
- Drag & Drop Segment and ~~Drop~~ Sales on Labels.
- Apply Table calculation on Sales (% of Total).
- click on Slide Show Button.

### Advanced funnel chart:-

- Double click on Sales.
- Double click on Shipmode.
- apply Swapping
- Sort Descending order.
- Col:  $\text{Sum}(\text{Sales})$
- Rows: Ship Mode.

Calculate Negative Sales with Calculation field.

$$\begin{aligned} & \bullet \text{Negative Sales} \\ & - \text{Sum}(\text{Sales}) \end{aligned}$$

Drag and Drop Negative Sales beside the  $\text{Sum}(\text{Sales})$   
Under Marks card menu changed from Automatic to area chart.

→ Now changed View from Standard to Entire View.

→ click on slideshow Button.



## Lollipop Chart:-

Double click on Shipmode

Double click on Sales.

again take one more Sales.

we will get Multiple Axis.

Convert multiple axis to dual axis.

Sales  $\nabla$   $\rightarrow$  click on Dual Axis

Now entire View shown as circle.

Under Marks card you can see

○ All

○ Sum(Sales)

○ Sum(Sales)(2)

First select Sum(Sales) changed from Automatic to Bar.

Select Sum(Sales2) changed from Automatic to circle.

Sum(Sales) Decrease the size

Sum(Sales2) Increase the size.

Drag and Drop Profit in Sum(Sales)2 Colors.

Now you can see the Lollipop chart.

## DONUT CHART:-

Under Marks card changed from Automatic to Pie chart.



Now we can see Angle.

Drag & Drop Sales on Angle.

Drag & Drop Category on Colors.

Now change view from Standard to Entire view.

Create Two Zero axes.

Columns:- Avg(0) Avg(0)

Now Under Marks card you will see

o All

o Avg(0)

o Avg(0)(2)

Select Avg(0)(2) remove all the options.

Drag & Drop Sales on labels (Avg(0)(2)).

Change Color to white.

Increase the size and number size. and show the values in \$ format

Double Sales  $\nabla$   $\rightarrow$  Right click  $\rightarrow$  Format

Numbers [123456] $\nabla$

Custom 2 Decimals.

Prefix \$

$\rightarrow$  Convert Multiple axes to Dual axis.

$\rightarrow$  Now we can see Donut Chart.

$\rightarrow$  Hide axis & Title.

$\rightarrow$  Click on Slide Show.



## Butterfly chart:-

- Drag & Drop Sales on Column Shelf
- again <sup>Drag</sup> Drag & Sales on Column Shelf
- Drag and Drop Subcategory on Row Shelf.
- Create zero axis. (AVG(0)) on Column Shelf.
- Sum(Sales) axis → Right click → edit axis → Reverse.
- Under Marks Card you can see
  - Sum(Sales)
  - AVG(0)
  - Sum(Sales)(2)

Drag & Drop Subcategory on Colors & Sales on Label in both Sum(Sales) & Sum(Sales)(2)  
AVG(0) changed from Automatic to Text.  
Now the chart is look like Butterfly.

## Dual Axis:-

Dual axis line chart.

Col: Year(orderdate)

Row: Sum(Sales) Sum(Profit)

Drag & Drop Sales on Row Shelf.

Drag & Drop Profit on Row Shelf.

Drag & Drop Year on Column Shelf

you will get multiple axes. so you can convert from multiple axis to Dual axis

Sum(Profit) ▾

select Dual axis



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Now you can see Dual axes on View.  
If Both ~~axes~~ axes are not in sync then  
you can synchronize axis.  
Right click on profit axis → Select  
Synchronize Axis.

### Dual axis with Bar:-

Drag and Drop Sales and Subcategory on  
Row Shelf.

Drag and Drop Subcategory on Column Shelf.

Now you will get ~~data~~ ~~axis~~ Multiple Axes

You can convert multiple axes to dual axes

Right click on profit → Select Dual axis.

Now you will see Dual Axis on View.

If Both axes are not in sync then you can  
Synchronize Axis.

Right click on profit axis → Select  
Synchronize Axis.

### Under Marks Card

○ Sum (Sales)

○ Sum (Profit)

Change from Automatic to Bar.



Cyclical Data:- Cyclical Data means Data that repeats at regular intervals.

ex:-  
Quarters of the Year  
Month of the Year  
Week of the Month  
Day of the Week  
Hours of the Day.

Cyclical Data with Line Chart:-

If you want to see trends and compare different cycles use line chart.

Cols: DAY (Order Date)

Rows: SUM(Profit)

Drag and Drop Sales on Label.

Cyclical Data with Heat Maps:-

Heat Maps are used to visualize frequency of cyclical data with colors.

Col: Month (Order Date)

Rows: DAY (Order Date)

Drag and Drop Sales on Color & Text.  
Under Marks Card changed to Shape.

Area charts:-

To create area charts we need one Date column, 0 or more dimensions and



one or more measures.

Col: Year (coded date)

Rows: SUM(Sales)

Category on Col: .

→ Duplicate as cross tab.