

Data Analysis

with

Power

B I

Surveillance

Then : brief of entry
errors/message : view & update
Intelligence : view - area A
Intelligence : view - area B
Intelligence : view - area C
Intelligence : view - area D

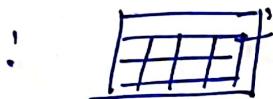
Analyzing Sales Person Performance

Add New Page

- To add a new page , click on "+" at the bottom and you can add a page .
- By default these pages will be named as : Page 1 , Page 2 .. .
- we can change page name by double clicking on them

Using Table Visuals for overview of Everybody

click on table from visual Panel



↓
Put : sales person in values

~~Defining Calculation logic by~~
~~Adding Measures~~

Right Click : Sales Table (field Panel)

↓
New Measure

Power BI will open a formula bar for you to define the measure.

The language that we use to create these measures is called **"DAX"**

"Data Analysis expression"

Creating measure:

1. Total Amount = sum(sales[Amount])

click here → after writing measure to apply it

↓
You'll see that Total Amount in sales table (field panel)

Measures are denoted with a special calculator symbol on the screen

Note:- A measure not only has logic definition but it also has a visual def".

↓
we can use measure tool ribbon to set the formatting

⇒ Measures are dynamically calculated & shown whenever we use it on the visuals within power bi

Adding filters/slicers to the Report

click on slice : 

↓
Put : Team in field
(visual panel)

→ double click on any team to apply for all the team.

Formatting Your Power BI Visuals

- Select the table in canvas area



Visualization Panel : Format visual



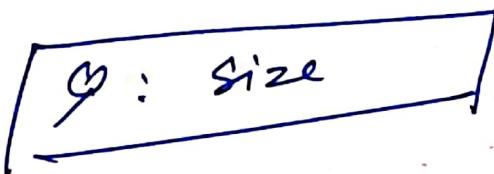
From here we can set formatting to each & every things.

i.e.,

values : font size

↓ Various options are available
use them as per your creativity.

We can also search the
formatting u want to do.

eg:  g: size

More DAX Measure

How to add Measures

Go to Field Panel



Right click on table



New measure

(10) Total Box

Total Boxes = sum(sales[Boxes])

- ✓ format: whole Number
- ✓ thousand separator

* To sort it, click on the heading
on the table

(2) Amount Per Box

$$\text{Amount Per Box} = [\text{Total Amount}] / [\text{Total Boxes}]$$

Note :-

- # when we are referring to another measure in the workbook, we simply use it directly without specifying the table name
- # when we refers to any column in the table we must specify the table name & column name

Conditionals Formatting Visuals

Databars

- select the table in your canvas area



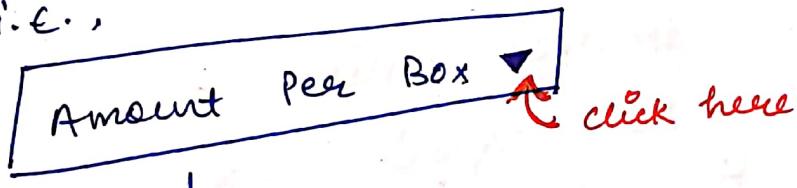
value : (visual Panel)



~~regular click or context Open Box~~

click on arrow

i.e.,



conditional Formatting

↓
data bars



click : OK

⇒ By default it will take data-bars.

Again,

Amount Per box 

click here



conditional formatting



data bars



change the colour



maximum: custom

enter any value higher
than that in box

e.g: (25)



it will assume whole
cell length = 25
based on it, it will
scale the things.

Now, Go to Table View (left corner)



People Table



Picture : of our employee

Note,

Insert Picture from People to
our table in canvas area.



By default the picture will
show as the URL



To get Actual Picture

Go to Table View



Open : People Table



Select Picture Column



Column Tools : Ribbon



Data Category : - Image Url



Now go back to canvas area



You'll see Picture instead of
url.

we can also adjust size
of picture (height of picture)



visual Panel



Edit



Q height



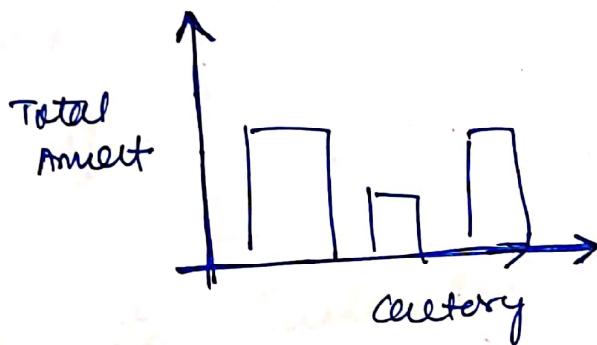
Image ht.

Add a column chart

Total Amount Category Graph

Put : Category from Product
on Axis

Put : Total amount in values



Now:

Put any individual , the respective
value for that will get
reflected in all visuals in our
power b.i.

Note:-

The problem with this approach
is it is showing me the
proportion of that person

as against her entire team
what I instead want to see
is when I click on any
person, I want Amount - Category
to reflect just that person's data
alone.



How to Customize Visual Interactions

- select your table (canvas mode)
 - Format : Ribbon
 - click : Edit Interaction

[this table can interact with slices + graph]

Power BI will show some additional icons on top of the graph

Power BI Interaction Types

① highlight 

② Filter 

③ no interaction 



select filter icons



Uncheck : Edit Interactions

so icons go away.

Amount by Geography Graph

ctrl + c : the other graph present



ctrl + v : that graph will be copied again

↓
Resize



Just change Axis to Geography

Adding Titles & Logos to Your Report

To Add Title :

Home : Ribbon



Text Box



Move & Resize your text box
as per Requirements



Type text

To Add logo

Insert : Ribbon



Images

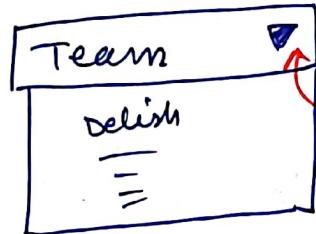


Select your image



Resize & Adjust it

Slicer customization



click here



List or dropdown

Rename A chart | graph

Select that chart | graph -



visual Panel



edit



general



Title



Text

(From here, we can do formating too)