

```
Calculation types
  -> Mainly 4 types
         > Rowlevel => Numeric, logical, String, bate
                  > Calculate wat you level.
          > Aggregation => colculate based on the dimensions
                             included in the view (ie.on top of
             Leg. sum, mois.
           Touble calculation => inbuilt function Simplified Some
                                Complex Calculation.
                Sol. type of
               is window the is agg. on agg. data
                                   (i.e. on top of Aggregation)
               function.
           Level of Debails (LOD) expression
                     specifies the level of granubrity
                          for agg. calculation, regardless
                          of Viz. View.
 Numeric cal.
        > To analyse; Manipulate, find insight of numeric data.
        > 3 Main things
                  > Bosic Math. op. (+-4/ ,etc)
                    Aggregation (e.g. Sum, etc)
                    > parentles:s (mention/ctr/the oxder of cal.)
  Date call
        > To Analyse, wanipulate the date time data.
              - Date point -> extract specified dateport (eq. M/y/a)
         -> function like
               -> Date Trunc -> reduce/Trunc. to the specified
                                dute port.
                 vate birt - Gap inhorms of specified dateport.
               -> Date Diff
               -> Date add -> add/sub specified doteport units.
                -> NOW(), TODAY()
                                     nethods use relative date filter
          -> Relative date handling
                                    methods date func. with Today Mous.
           -> Special -> Timezone, Null Value hardling.
```

Shing

To analoyze, Manipulate, find insights from their data.

Inction like

Tremove space - romm, Lbrim, from

Permove space - romm, Lbrim, from

Replace - replace

Posthern - Gustence - Stortswith, endswith,

Gentlains

Josition - find, findown

Logical

Logical

Logical

Logical

(If then else end; case when then else end,

Iff, If null, Is null) to > evaluate and the

make decision basel on Boolen (Twelfalse)

	10	
2 F	Case	itt
in any	oilyshing	any
Multiple	only one	Coly one
multiple	Multiple	only one
	Multiple	any only one

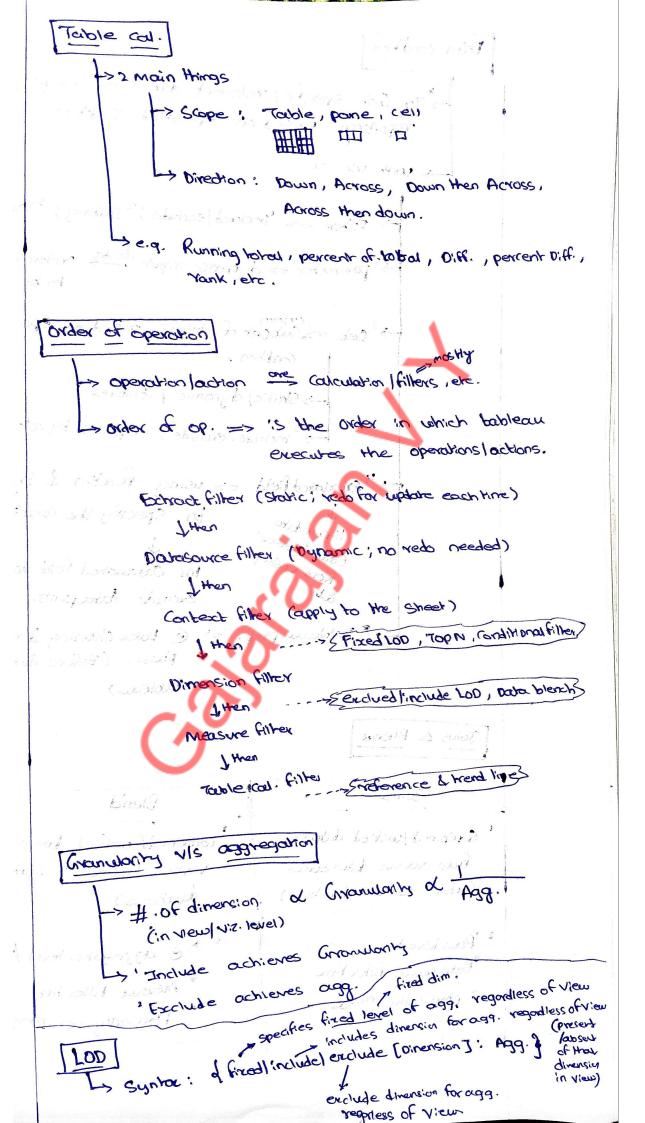
Special type of table calculation, but need to be

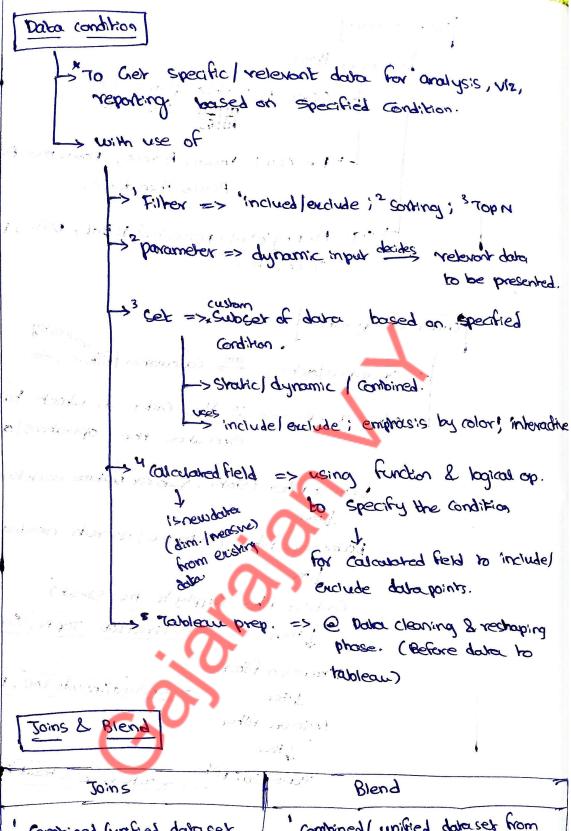
Manually typed in calculated field.

> helps to combrol the window - data.

> 15 agg, on agg, el dara.

Jollan -- Ell.





Toins

Blend

Combined funified data set from

From voicus datasources

Coffen same databases

Acus level

Data source filler time

* physically morge

Blend

Combined unified dataset from

Voulous datasource's (often different

databases)

2 * @ aggregation level /viz.level/

* Measure filler time

* physically morge

* Physically not menged.

```
Dashboard & Story
     > bashboard: Collection of Sheets to present insights.
    > Story: Collection of Sheet(s) and bashboard(s) in a logical
                          to namative the specific insight
            -> contains
                 L>'Story point (Doshboard I Sheet)
                   2 logical order
                    3 Caption (explain hirsight); annotation (highlight specific
                    4 (ustom layout
                     Title & Des. (inho & Samony of the story)
                     6 Filter and action (enteractive)
 what - if analysis
         > evaluate different possible Scenarios (cases
             by Changing Variables to wrat it impacts in
              the dara viz. outcome.
             All done by help of parameters
                       To present specific insight in a unique and
 Special charts
                       specilized manney.
                     are advanced I non-std. Charles.
       Box and whisker plot: Distrubution & key Stats.
        > Bullet Grouph: primary measure VIs tonget I berchmork Measure.
Digra.
       -> 3 Charith. Chort: events & each event Stort & end time.
       > 1 waterfall chart: Intival value 1 by informidate to firal
C
C
        > Tree Map: [Hierachical dota] Nested rectargle
                       each II is category
 M
                        size is Measure
        Surburst Chort: [Hiorachical data] circular layour with multiple
                             [akin radial here Map]
 M
       -> Toacked bubble that ! [Historical dates) Circular layout
  W
                                 each 0 is calongry : size is measure
        -> 8 Heat map: Color intensity of occurrence
          + 9 word cloud ! Size of occurence
```

10 N/w Chapti : entitles relationship

Microsopical

6gr.

Radorchart &

M