

ELEVENTH PROGRAM

__/__/__

Structuring the Data:-

- ① Groups
- ② Sets
- ③ Hierarchy
- ④ Bins
- ⑤ Sort

Grouping:- we can perform grouping in many ways like

Group by Header

Group by Data window

Group by Visualization etc

Group by Header:- Col: sum(Sales)
Rows: SubCategory

Subcategory	
Accessories	_____
Appliances	_____
AT&T	_____
binders	_____

Select the required columns for grouping and click on the Grouping symbol.

Group by Data window:- Col: sum(Sales)
Rows: SubCategory

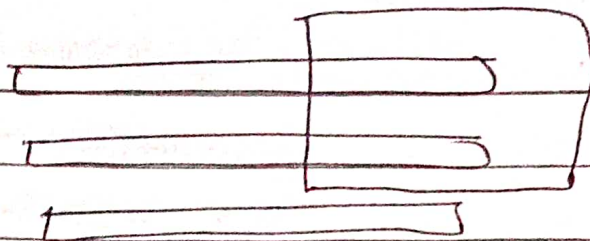
Under the data window select any Dimension field and click on create then select Group.

Group by Visualization:- Col:- Sales
Rows:- Subcategory,

chairs

phones

storage



Select required columns for group and click on Group icon.

Sets:

~~From~~ Set with Header

Set with Data window

Set with Data Visualization

Same procedure like Grouping.

Hierarchy:- we can create Hierarchy. Select one field from Data window Drag & Drop that field on another field.

Bins:-

we can create bins on measures only.
we can't create on Dimensions.

→ Bin field will be used in Histogram Charts.

→ Bins are useful to create Range of Data.

Sort:-

we can perform Sorting in many ways.

① Quick Sort

② Sort from Tool bar.

③ Sort from pills.

Filtering:-

We can perform filtering in many ways through Dimensions, Measures, Data Sources etc.

Cols:- Category Subcategory

Rows:- Sum (Sales)

You can place Subcategory in Filter Shelf.
Now you can apply filters on Subcategory.

Types of Filters:-

① Data Source Filter

② Extract Filter

③ Dimension Filter

④ Measure Filter

⑤ Context Filter

⑥ Table Calculation Filter.

Data Source Filter:- At the time of creating the Data Source. It is applicable for both Live and Extract Connection.

○ Live

○ Extract

Filter

ADD

ex:- apply filter on "Subcategory" column.

☐ General

☐ Wildcard

☐ Condition

☐ Top

☐ Furniture

☐ Office Supplies

☐ Technology

Wildcard

- ☐ Contains
- ☐ Starts with
- ☐ Ends with
- ☐ Exactly Matches

Condition:-

- ☐ None
- ☐ By field

Profit

> 0

Top:-

☐ None

☐ Field

Top

5

Extract Filter:- while extracting the data into Tableau from Data Source.

It is applicable for only extract connection.

☐ Live

☐ Extract Add

☐ Filters

→ ex:- Apply filter on Category Column.

General Wildcard Condition Top

Same as above procedure.

Dimension Filter:-

Drag and Drop any Dimension Column in filter shelf.

ex:- Subcategory column place in filter shelf.

General

Wildcard

Condition

Top

Same as above procedure.

Measure Filter:- Drag and Drop any Measure Column in Filter Shelf.

ex:- Drag and Drop "Sales" column in Filter Shelf.

- | | | | |
|-----------------|----------|---------|---------|
| Range of Values | At least | At most | Special |
|-----------------|----------|---------|---------|

Table Calculation Filter:-

→ Take any Table Calculation column in Filter Shelf.

ex:- $\text{sum}(\text{Sales})$
 \downarrow Rank

Apply filter condition.

- | | | | |
|-----------------|----------|---------|---------|
| Range of Values | At least | At most | Special |
|-----------------|----------|---------|---------|

Context Filter:- Context filter is used when you want the second filter to be process only the records returned by the first filter.

which means that the output of the first filter based on that second filter will be created.

Col:- $\text{sum}(\text{Sales})$

Row:- Category, Subcategory

First apply filter on Subcategory (TOP 5 Sales)

Next apply filter on Category.

Then make category filter to Context filter (Add to Context)