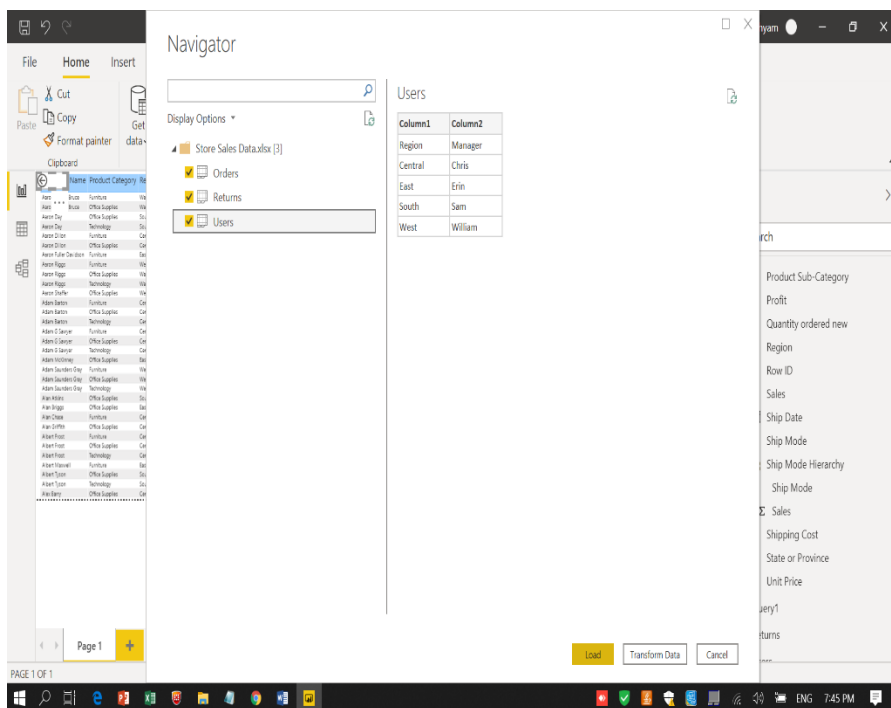


ASSIGNMENT 2 –CONNECTING DATA

- **Connect to the Store Sales Data and do the following: -**

Connecting Sales Data: Open the Power BI Desktop-then click on get data on Power BI Desktop ribbon – select the excel format ,click on connect – then select the data to be loaded from our folder –click on open button. At that time a Navigator page will be opened. Select the tables that we want to open, then click on load button. Our data will be connected.

Below is the print screen of Navigator



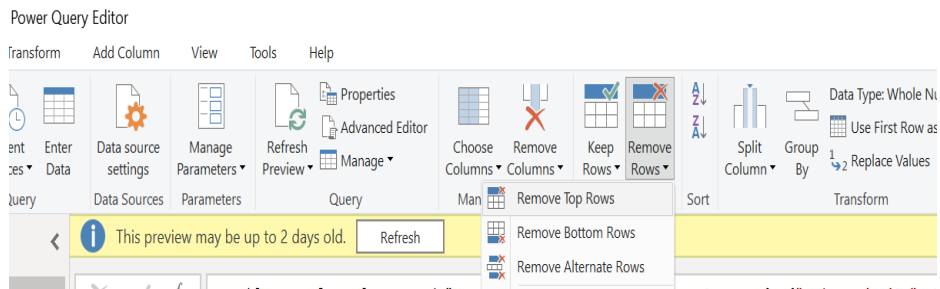
Here is the screen shot of Sales data table

1. Remove the top blank rows:

Following are the steps of to remove top blank rows

- From power BI ribbon select get data .From get data select blank query. Then a blank power BI query editor will be opened.
- In left hand side shows the tables which are loaded, select the Order table.
- Home in Power Query Editor, there is an option as “Remove rows”.

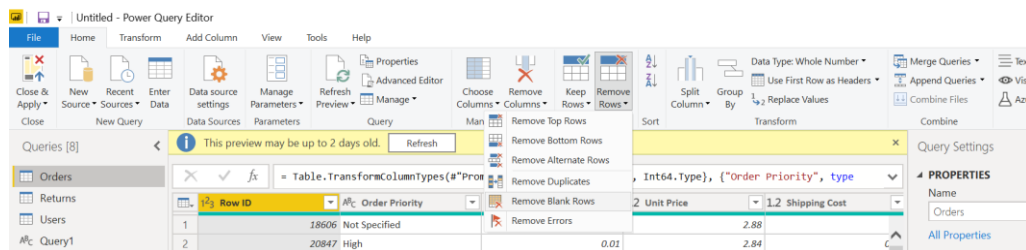
Here is the picture:



- From Remove Rows drop down, select the “Remove top Rows”.
- That second a box will be opened to specify how rows may will be removed from first.
- Here, I specified as 2.

The picture will be shown below:-

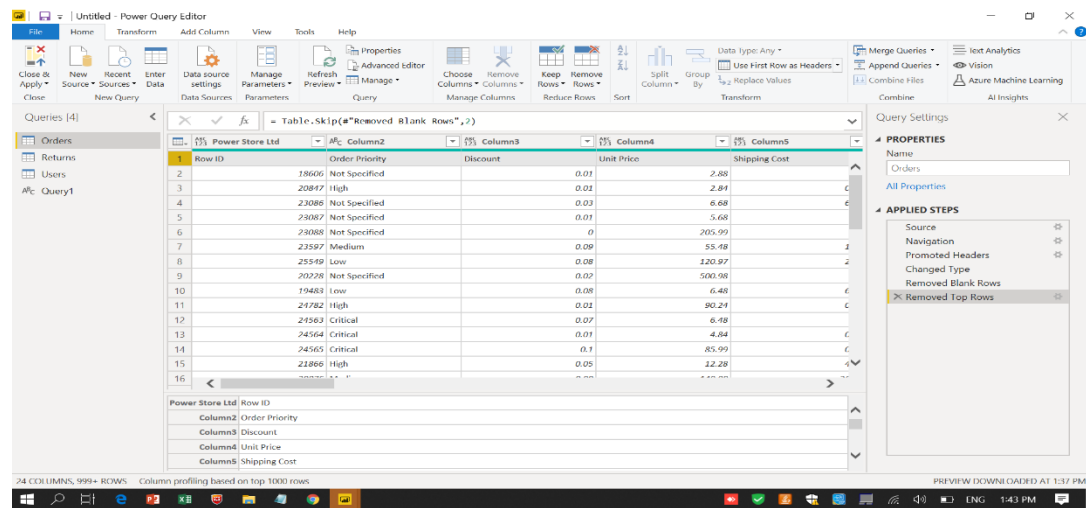
- For removing other blank rows in the table, we select “Remove Blank Rows” from same “Remove rows” option.



By doing above steps we can remove all blank columns in the table.

Here is the Final screen shot of table:

thi

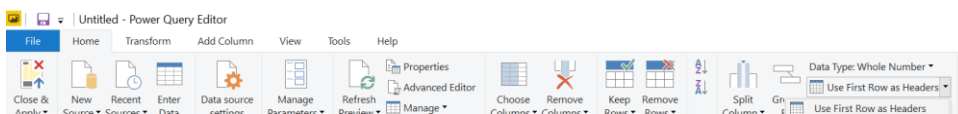


Row ID	Order Priority	Discount	Unit Price	Shipping Cost
1	Not Specified	0.01	2.88	0.01
2	High	0.02	2.84	0.02
3	Not Specified	0.03	6.68	0.03
4	Not Specified	0.04	5.68	0.04
5	Not Specified	0.05	205.99	0.05
6	Medium	0.06	55.48	0.06
7	Low	0.07	120.97	0.07
8	Not Specified	0.08	500.98	0.08
9	Low	0.09	6.48	0.09
10	High	0.1	80.21	0.1
11	Critical	0.11	6.48	0.11
12	Critical	0.12	4.84	0.12
13	Critical	0.13	85.99	0.13
14	Critical	0.14	22.28	0.14
15	High	0.15	2.88	0.15
16	High	0.16	2.84	0.16

2. Update the column header if they are not updated

In our data set first row indicating column headers. For updating column header we follow below small step.

- Home in Power Query Editor ,there is an option like “use first row as header”



- Click that option
- Our headers will be updated

Below is the picture of table with updated column header

Table.TransformColumnTypes(#"Promoted Headers1",{"Row ID", Int64.Type}, {"Order Priority", type

Row ID	Order Priority	Discount	Unit Price	Shipping Cost
1	18606 Not Specified	0.01	2.88	
2	20847 High	0.01	2.84	
3	23086 Not Specified	0.03	6.68	
4	23087 Not Specified	0.01	5.68	
5	23088 Not Specified	0	205.99	
6	23597 Medium	0.09	55.48	
7	25549 Low	0.08	120.97	
8	20228 Not Specified	0.02	500.98	
9	19483 Low	0.08	6.48	
10	24782 High	0.01	90.24	
11	24563 Critical	0.07	6.48	
12	24564 Critical	0.01	4.84	
13	24565 Critical	0.1	85.99	
14	21866 High	0.05	12.28	
15	20876 Medium	0.08	140.98	
16	20877 Medium	0.1	286.85	
17	22241 Critical	0.06	15.57	
18	21776 Critical	0.06	9.48	
19	23328 High	0.04	10.98	
20	24844 Medium	0.09	78.69	
21	24846 Medium	0.08	3.28	
22				

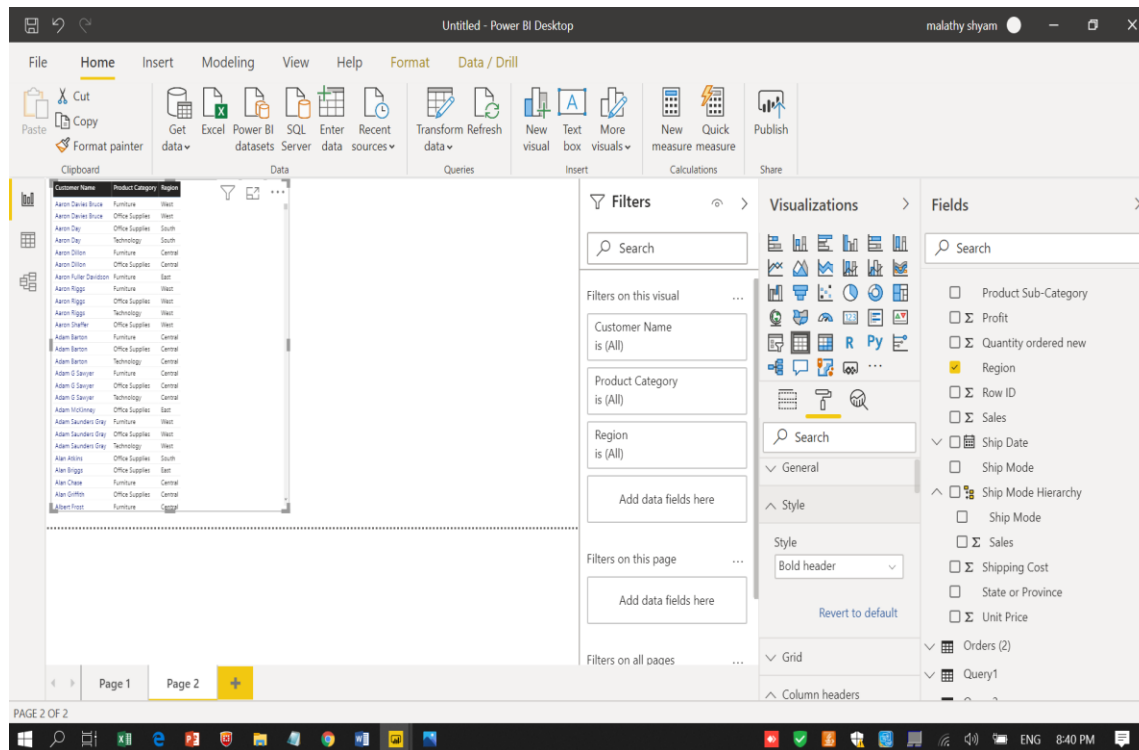
24 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 1:43 PM

3) Create a text table and show the sales in terms of Customers, Product Category, Regions

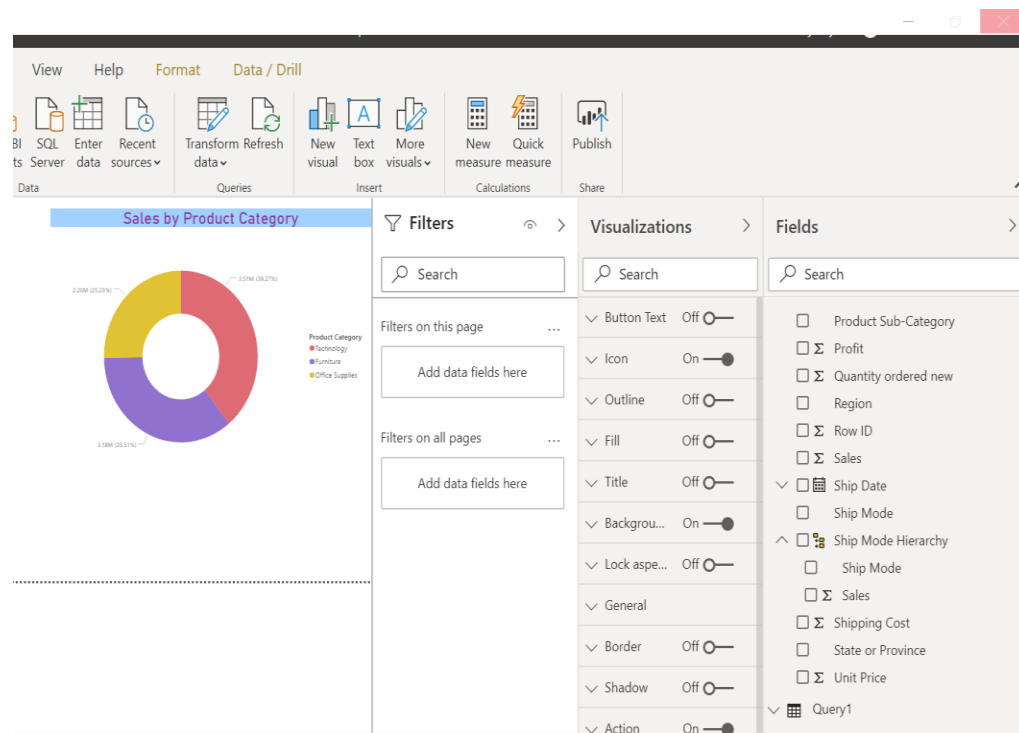
- After doing above steps click close and apply button .So our changes will be affected on tables.
- Then we back to get Power BI Desktop.
- From Left hand side, select **Report view**
- Then select **tables (double click on table)** from **visualization** in right hand side.
- Then a text table format will be appeared on report view.
- Drag and drop customer name, Product Category, Regions from the tables to **Values** which is shown just below the **visualization**

Here is the picture of text table:



- **Create a Donut Chart showing sales in terms of Product category**
 - i. Select **Report View**
 - ii. Select **Donut Chart** from **Visualization**
 - iii. Drag and drop **Product category** in to **Legend** section and **Sales** in to **Values** from respective table (order table).
 - iv. We can make changes by selecting filters icon just below the Visualization.

Here is the Donut Chart



• Create a line and Clustered Column Chart showing the Sales and Discount as per the State or Province – Format the bars and line with different colors – which state has the highest sales in terms Technology

a) Line chart:

- I. Click on Report view
- II. Select Line Chart from Visualization
- III. Add state and Province in Axis column
- IV. Drag and drop sales and discount column in "Value field"
- V. Our line chart is ready
- VI. For formatting, select the line chart and click on format icon which is situated just below Visualization part.
- VII. Here I changed the colors of lines which indicates "Sales and Discount".

- VIII. From format, select Data color option and change the color as you want.

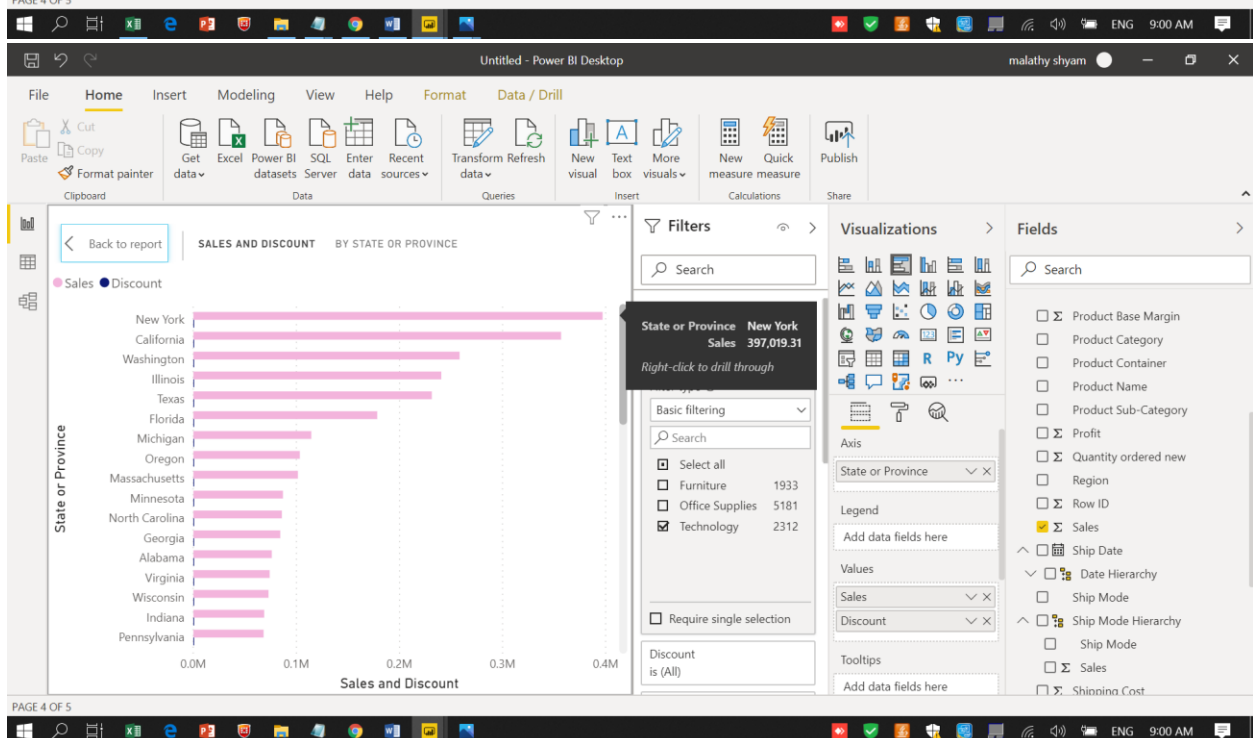
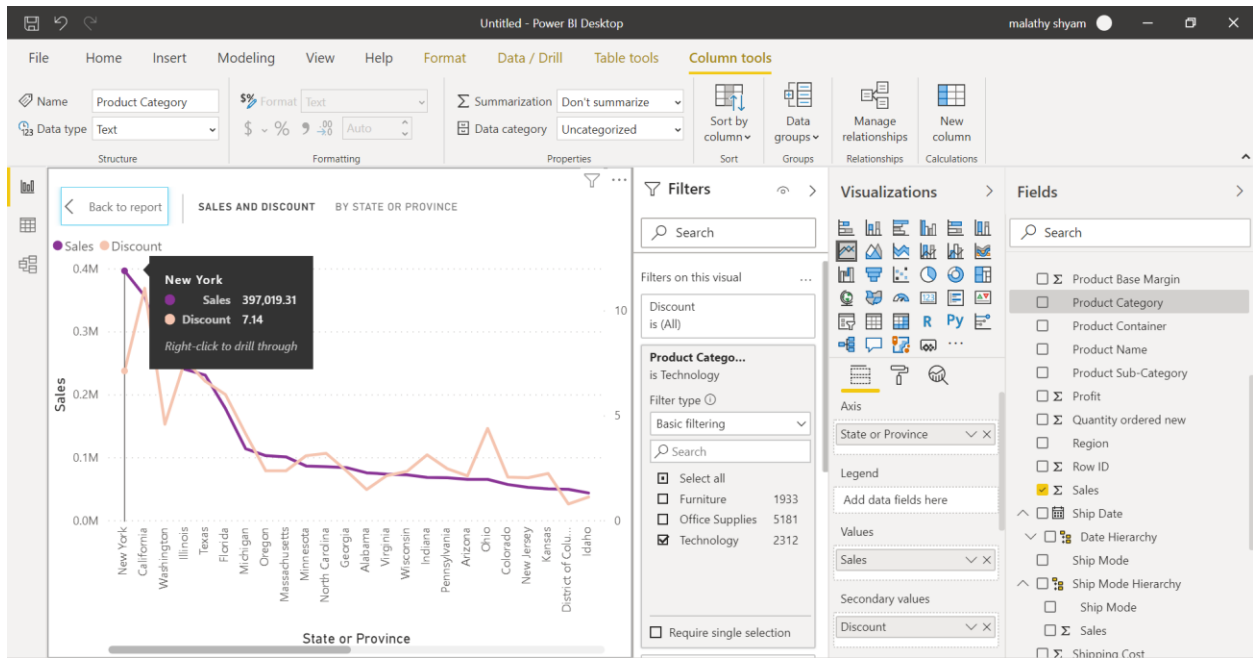
b) Clustered Column Chart

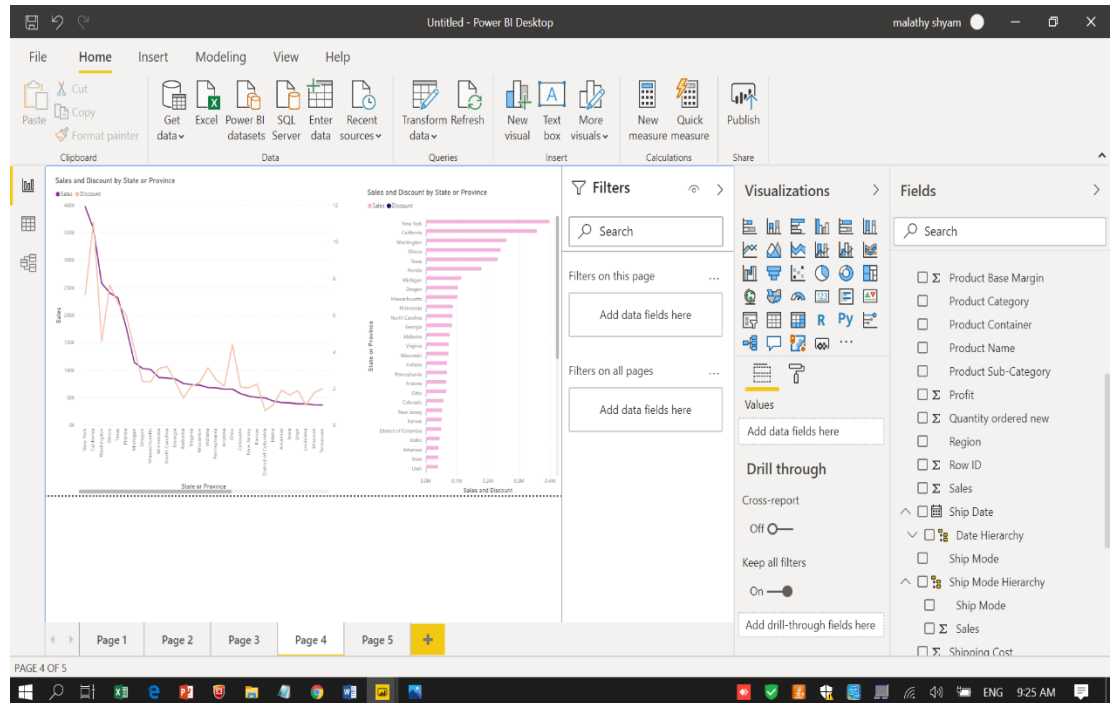
- I. Click on Report view
- II. Select Clustered Column Chart from Visualization
- III. Add state and Province in Axis column
- IV. Drag and drop sales and discount column in "Value field"
- V. Our Clustered Column chart is ready
- VI. For formatting, select the Clustered Column chart and click on format icon which is situated just below Visualization part.
- VII. Here I changed the colors of bars which indicates "Sales and Discount".
- VIII. From format, select Data color option and change the color as you want.

Which state has the highest sales in terms Technology?

- I. For finding highest sales in terms of Technology, we can drag and drop Product category in filter field and do basic filtering.
- II. I selected Technology to know which Province or state has more sales.
- III. **New York has highest sales in terms of Technology and sales is 397,019.31Million.**

Here is the Pictures of both Line and Clustered Charts





• Create a Slicer and show the regions in dropdown. See how all the visuals mentioned above behaving when a particular region is selected.

- I. Select (double click) Slicer from Visualization.
- II. Drag and Drop Region column in to Values
- III. Then a slicer will be created and we can select the region as central, south, east, and west.
- IV. According to select the region ,we can get an idea about the sales in each region
- V. Below is the picture of Slicer and I selected the region south. In south Region Florida has highest sales in terms of Technology.

Screen shot of Slicer

