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Roll no : 59

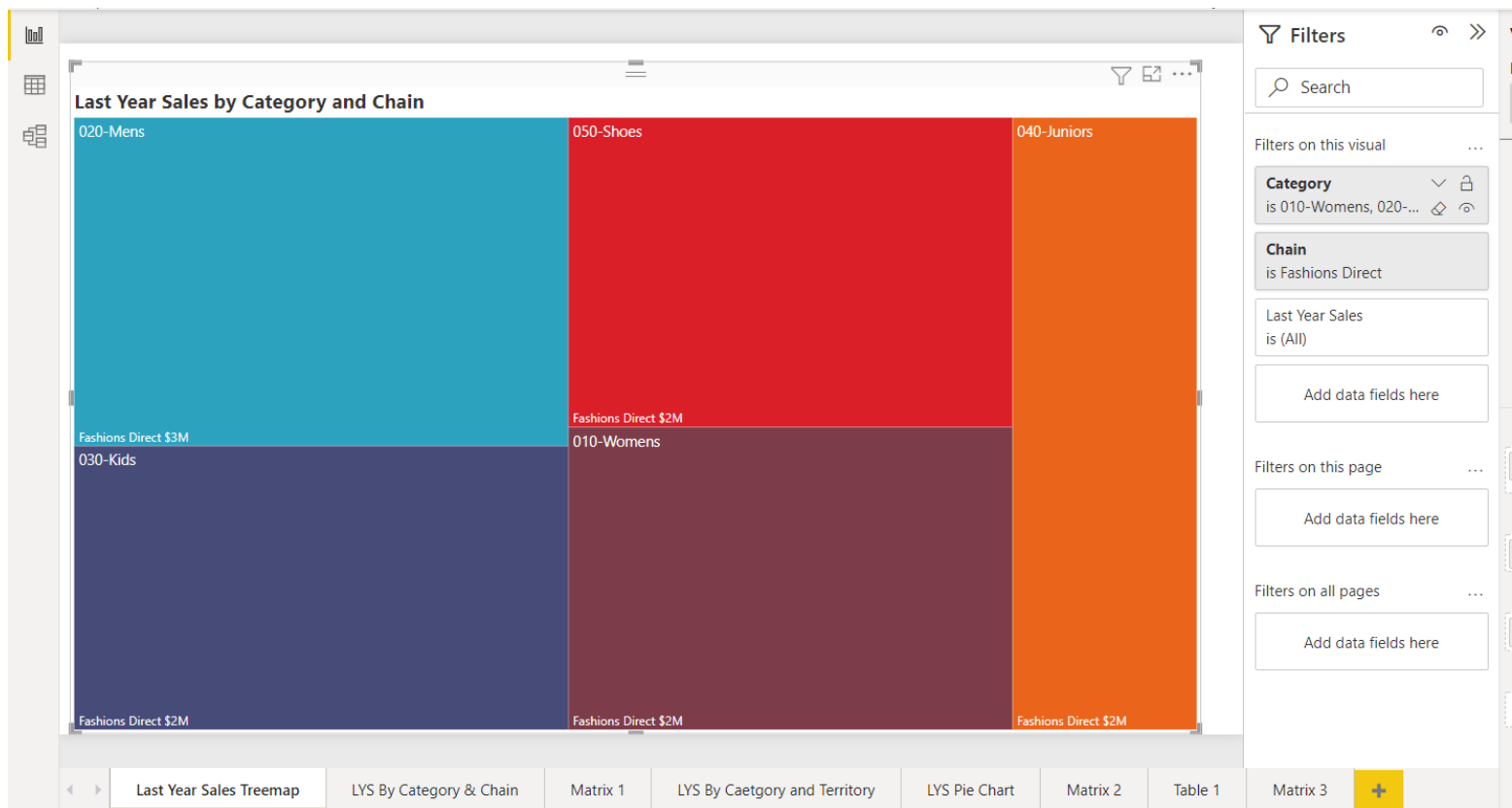
SRN : 201901267

Business Intelligence Ass-5

Filtering Data :-

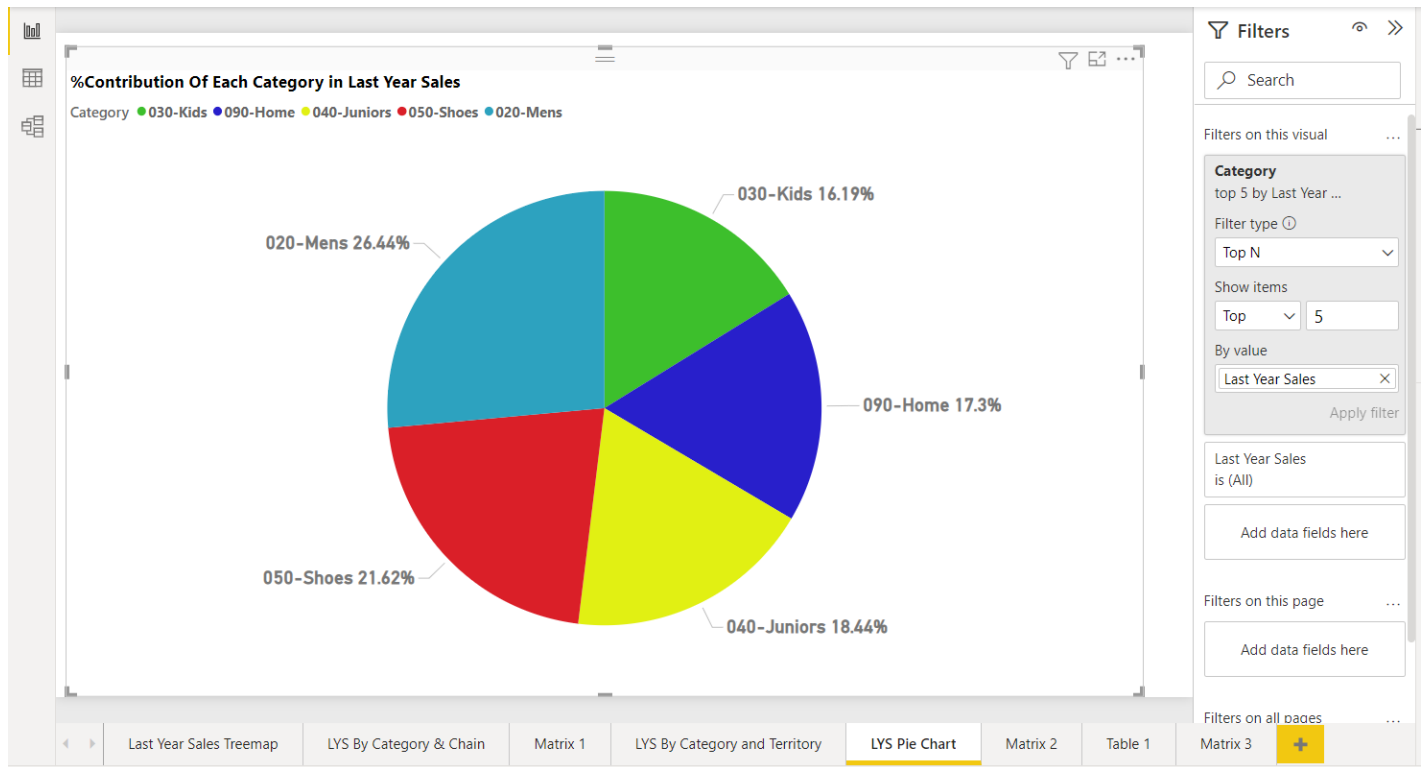
1. Basic filtering :-

- From the Dataset given, **Last Year Sales**. Click on the visualization tab, and click on Tree-map.
- Select “Last Year Sales” from Sales, “Category”: from Item and “Chain” from Store.
- In the filters section click on the dropdown for the “Category” and “Chain” attribute. Select the filter type as “Basic Filter” and select the first five from “Category” in the list of options and “Fashions Direct” from “Chain” in the list of options.



2. Advanced Filtering :-

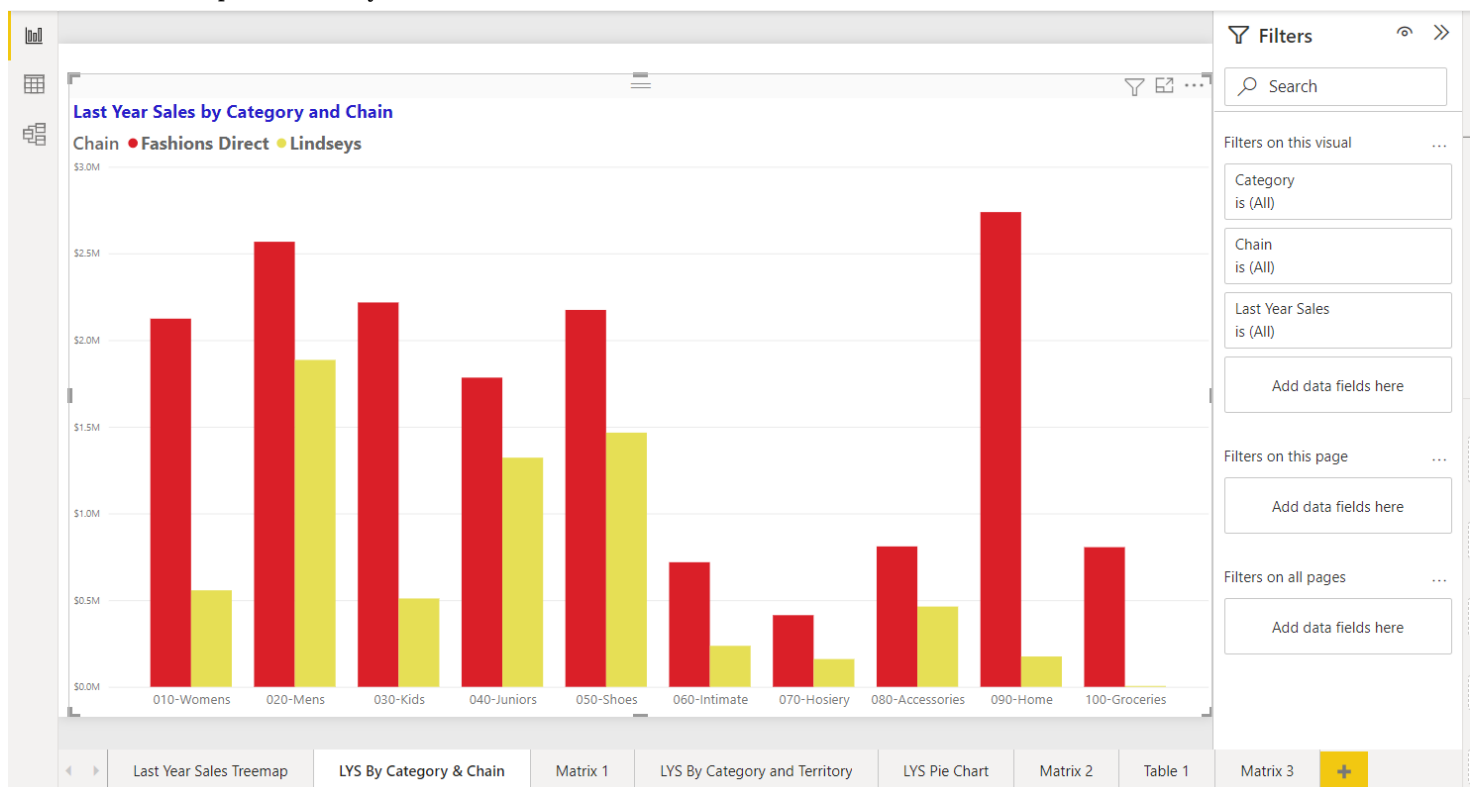
- From the Dataset given, **Last Year Sales**. Click on the visualization tab, and click on Pie-Chart.
- Select “Last Year Sales” from Sales, “Category”: from Item and “Chain” from Store.
- In the filters section click on the dropdown for the “Category” and “Chain” attribute. Select the filter type as “Top N” and filter the items based on the value of “Last Year Sales” (N=5).



Sorting:-

Graphs and Charts :-

- From the Dataset given, **Last Year Sales**. Click on the visualization tab, and click on Clustered Column Chart.
- Select "Last Year Sales" from Sales, "Category": from Item and "Chain" from Store.
- Click on the three dots on the top of the graph. Select "Sort Axis" -> "Sort ascending" -> "Category".
- The Bar chart shown below displays the LSY by category and chain in ascending order alphabetically on x-axis.



Calculate :-

- Go to model in Power BI
- Write CALCULATE and a formula of your choice.
- I have written a formula that calculates the percentage of a Selling Area of the category in different territories and their respective cities. The formula is as follows :

$$\%SellingArea = [SellingAreaSize]/100000$$

- The screenshot of CALCULATE function is given below

1 %SellingArea = [SellingAreaSize]/100000								
LocationID	City Name	Territory	SellingAreaSize	DistrictName	Name	City	Chain	%SellingArea
2	Weirton	WV	40000	FD - District #4	Weirton Fashions Direct	Weirton, WV	Fashions Direct	40.00%
3	Beckley	WV	40000	FD - District #2	Beckley Fashions Direct	Beckley, WV	Fashions Direct	40.00%
4	Fairmont	WV	15000	FD - District #1	Fairmont Fashions Direct	Fairmont, WV	Fashions Direct	15.00%
5	Uniontown	PA	55000	FD - District #4	Uniontown Fashions Direct	Uniontown, PA	Fashions Direct	55.00%
6	Parkersburg	WV	60000	FD - District #2	Parkersburg Fashions Direct	Parkersburg, WV	Fashions Direct	60.00%
7	Belle Vernon	PA	45000	FD - District #4	Belle Vernon Fashions Direct	Belle Vernon, PA	Fashions Direct	45.00%
8	Lavale	MD	40000	FD - District #1	Cumberland Fashions Direct	Lavale, MD	Fashions Direct	40.00%
9	Clarksburg	WV	40000	FD - District #1	Clarksburg Fashions Direct	Clarksburg, WV	Fashions Direct	40.00%
10	St. Clairsville	OH	50000	FD - District #4	St. Clairsville Fashions Direct	St. Clairsville, OH	Fashions Direct	50.00%
11	West Mifflen	PA	55000	FD - District #4	Century III Fashions Direct	West Mifflen, PA	Fashions Direct	55.00%
12	Kent	OH	50000	FD - District #3	Kent Fashions Direct	Kent, OH	Fashions Direct	50.00%
13	Charleston	WV	55000	FD - District #2	Charleston Fashions Direct	Charleston, WV	Fashions Direct	55.00%
14	Harrisburg	PA	65000	FD - District #1	Harrisburg Fashions Direct	Harrisburg, PA	Fashions Direct	65.00%
15	York	PA	50000	FD - District #1	York Fashions Direct	York, PA	Fashions Direct	50.00%
16	Winchester	VA	40000	FD - District #1	Winchester Fashions Direct	Winchester, VA	Fashions Direct	40.00%
18	Washington	PA	55000	FD - District #4	Washington Fashions Direct	Washington, PA	Fashions Direct	55.00%
19	Abingdon	MD	50000	FD - District #1	Bel Air Fashions Direct	Abingdon, MD	Fashions Direct	50.00%
20	Greensburg	PA	55000	FD - District #4	Greensburg Fashions Direct	Greensburg, PA	Fashions Direct	55.00%
21	Zanesville	OH	50000	FD - District #4	Zanesville Fashions Direct	Zanesville, OH	Fashions Direct	50.00%
22	Wickliffe	OH	55000	FD - District #3	Wickliffe Fashions Direct	Wickliffe, OH	Fashions Direct	55.00%
23	Erie	PA	40000	FD - District #3	Erie Fashions Direct	Erie, PA	Fashions Direct	40.00%
24	North Canton	OH	55000	FD - District #3	North Canton Fashions Direct	North Canton, OH	Fashions Direct	55.00%
25	Mansfield	OH	50000	FD - District #3	Mansfield Fashions Direct	Mansfield, OH	Fashions Direct	50.00%
26	Akron	OH	55000	FD - District #3	Akron Fashions Direct	Akron, OH	Fashions Direct	55.00%
27	Boardman	OH	50000	FD - District #3	Boardman Fashions Direct	Boardman, OH	Fashions Direct	50.00%
28	Huntington	WV	55000	FD - District #2	Huntington Fashions Direct	Huntington, WV	Fashions Direct	55.00%
31	Mentor	OH	45000	FD - District #3	Mentor Fashions Direct	Mentor, OH	Fashions Direct	45.00%

Table: Store (104 rows) Column: %SellingArea (9 distinct values)