Title: To find closest match to value from list of values

Aim: The aim of this project is to utilize Excel functions and tools to analyse the dataset by performing ETL operations, data preprocessing, visualization, statistical analysis, hypothesis testing, regression analysis, and dashboard creation.

Project Description:

This project will involve answering business questions using the dataset , extracting , transforming , and loading the data into Excel, applying Excel functions to automate computations and create new features, visualizing the data using various charts and pivot tables , conducting descriptive statistics to gain insights into the data , formulating and testing hypotheses , performing regression analysis to and graphs supported by various data filters predict the target feature , and building a dashboard to summarize the data with tables

Dataset name: Supermart Grocery Sales

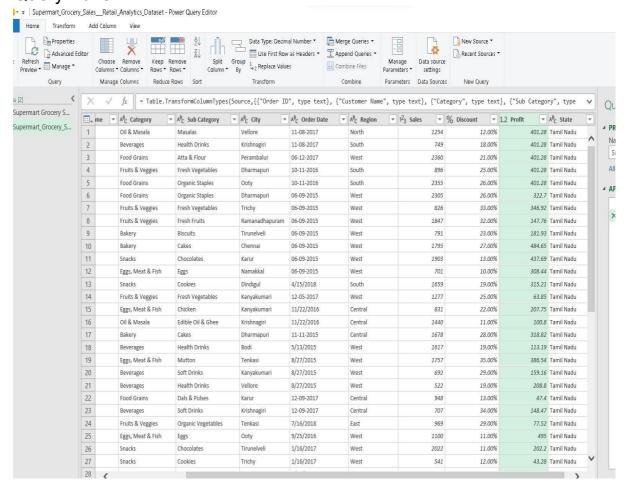
URL: https://www.kaggle.com/datasets/mohamedharris/supermart-grocery-sales-retail-analytics-dataset?resource=download

Business Questions:

Below are the business questions which can be answered through the dataset

- 1. What are the top-selling products by category and sub-category?
- 2. How do sales vary by region, and which regions contribute the most to total sales?
- 3. How do sales vary over time? (by year)
- 4. Which city has the highest sales?
- 5. What is the total profit generated from each category?

- 6. What is the average order value for each category?
- 7. Which region has highest average profit margin?
- 8. What are the top 5 most selling products?
 - Now, let's load data into Excel from source then we will Perform ELT operations and basic pre-processing using Power Query Editor.

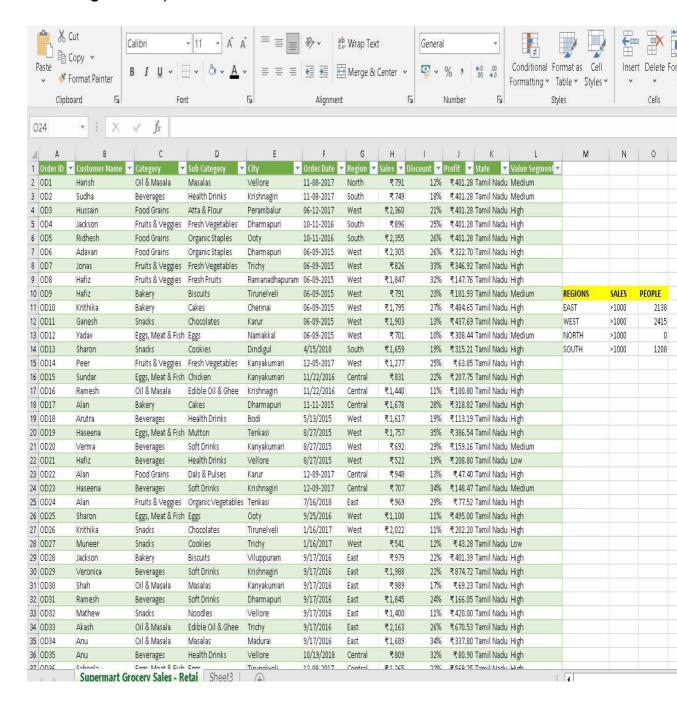


- Once the data is loaded, it's important to clean up the data by removing any irrelevant columns, handling missing values, and transforming the data as needed. As we didn't find any missing values or irrelevant columns, we only applied correct formatting to few columns only and there was no need of removing or adding any columns.
- Now let's apply correct formatting to columns. We changed the formatting for 'Order date' column from text to short date, for 'Discount' column from number into Percentage and for 'Sales and

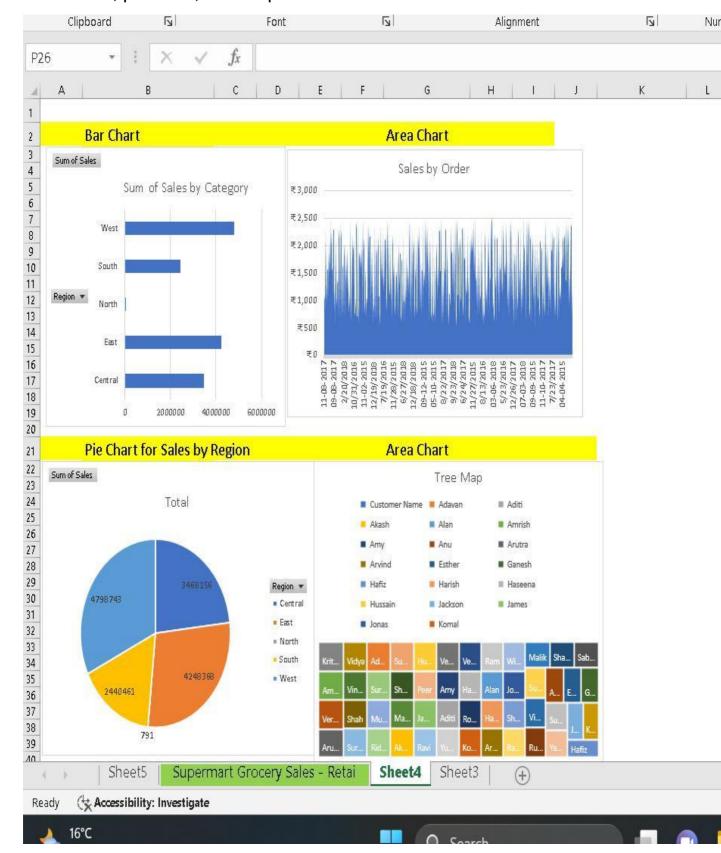
Profit' column we changed into Indian Currency. After applying the formatting, the table looks like this.

	Clipbo	ard 🗓	Font		[2]	Alignment		[2]	Nu	mber	LZ	
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4	А	В	С	D	E	F	G	н	1	J	К	
100	Order ID	Customer Name	Category -	Sub Category 🔻	City	Order Date	Region 🕙	Sales 🔻 🗅	oiscount 💌	CANCEL CONTRACTOR OF THE PARTY	State	*
-	OD1	Harish	Oil & Masala	Masalas	Vellore	11-08-2017	North	₹1,254	12%	₹ 401.28	3 Tamil Na	du
-	OD2	Sudha	Beverages	Health Drinks	Krishnagiri	11-08-2017	South	₹ 749	18%	₹ 401.28	3 Tamil Na	du
100	OD3	Hussain	Food Grains	Atta & Flour	Perambalur	06-12-2017	West	₹2,360	21%	₹ 401.28	3 Tamil Na	du
-	OD4	Jackson	Fruits & Veggies	Fresh Vegetables	Dharmapuri	10-11-2016	South	₹896	25%		3 Tamil Na	115
-	OD5	Ridhesh	Food Grains	Organic Staples	Ooty	10-11-2016	South	₹ 2,355	26%		3 Tamil Na	
7	OD6	Adavan	Food Grains	Organic Staples	Dharmapuri	06-09-2015	West	₹ 2,305	26%		Tamil Na	
-	OD7	Jonas	Fruits & Veggies	Fresh Vegetables	Trichy	06-09-2015	West	₹826	33%		2 Tamil Na	100
	OD8	Hafiz	Fruits & Veggies	Fresh Fruits	Ramanadhapuram		West	₹1,847	32%		5 Tamil Na	Control of the Contro
000	OD9	Hafiz	Bakery	Biscuits	Tirunelveli	06-09-2015	West	₹ 791	23%		3 Tamil Na	ALCO DE LA COLONIA DE LA COLON
	OD10	Krithika	Bakery	Cakes	Chennai	06-09-2015	West	₹1,795	27%		5 Tamil Na	
-	OD11	Ganesh	Snacks	Chocolates	Karur	06-09-2015	West	₹1,903	13%	₹ 437.69	7 Tamil Na	du
-	OD12	Yadav	Eggs, Meat & Fish	Eggs	Namakkal	06-09-2015	West	₹ 701	10%		4 Tamil Na	
-	OD13	Sharon	Snacks	Cookies	Dindigul	4/15/2018	South	₹1,659	19%		1 Tamil Na	
5	OD14	Peer	Fruits & Veggies	Fresh Vegetables	Kanyakumari	12-05-2017	West	₹1,277	25%		5 Tamil Na	C C C C C C C C C C C C C C C C C C C
-	OD15	Sundar	Eggs, Meat & Fish	Chicken	Kanyakumari	11/22/2016	Central	₹831	22%	₹ 207.75	5 Tamil Na	du
7	OD16	Ramesh	Oil & Masala	Edible Oil & Ghee	Krishnagiri	11/22/2016	Central	₹1,440	11%	₹100.80	Tamil Na	du
8	OD17	Alan	Bakery	Cakes	Dharmapuri	11-11-2015	Central	₹1,678	28%	₹318.82	2 Tamil Na	du
9	OD18	Arutra	Beverages	Health Drinks	Bodi	5/13/2015	West	₹1,617	19%	₹113.19	7 Tamil Na	du
0	OD19	Haseena	Eggs, Meat & Fish	Mutton	Tenkasi	8/27/2015	West	₹1,757	35%	₹ 386.54	4 Tamil Na	du
1	OD20	Verma	Beverages	Soft Drinks	Kanyakumari	8/27/2015	West	₹692	29%	₹159.16	5 Tamil Na	du
2	OD21	Hafiz	Beverages	Health Drinks	Vellore	8/27/2015	West	₹522	19%	₹ 208.80	Tamil Na	du
3	OD22	Alan	Food Grains	Dals & Pulses	Karur	12-09-2017	Central	₹948	13%	₹ 47.40	Tamil Na	du
4	OD23	Haseena	Beverages	Soft Drinks	Krishnagiri	12-09-2017	Central	₹ 707	34%	₹148.47	7 Tamil Na	du
5	OD24	Alan	Fruits & Veggies	Organic Vegetables	Tenkasi	7/16/2018	East	₹969	29%	₹ 77.52	2 Tamil Na	du
6	OD25	Sharon	Eggs, Meat & Fish	Eggs	Ooty	9/25/2016	West	₹1,100	11%	₹ 495.00	Tamil Na	.du
7	OD26	Krithika	Snacks	Chocolates	Tirunelveli	1/16/2017	West	₹ 2,022	11%	₹ 202.20	Tamil Na	.du
8	OD27	Muneer	Snacks	Cookies	Trichy	1/16/2017	West	₹541	12%	₹ 43.28	3 Tamil Na	.du
9	OD28	Jackson	Bakery	Biscuits	Viluppuram	9/17/2016	East	₹979	22%	₹ 401.39	Tamil Na	du
0	OD29	Veronica	Beverages	Soft Drinks	Krishnagiri	9/17/2016	East	₹1,988	22%	₹ 874.72	2 Tamil Na	du
1	OD30	Shah	Oil & Masala	Masalas	Kanyakumari	9/17/2016	East	₹989	17%	₹ 69.28	3 Tamil Na	du
2	OD31	Ramesh	Beverages	Soft Drinks	Dharmapuri	9/17/2016	East	₹1,845	24%	₹166.05	5 Tamil Na	du
3	OD32	Mathew	Snacks	Noodles	Vellore	9/17/2016	East	₹1,400	11%	₹ 420.00	Tamil Na	du
4	OD33	Akash	Oil & Masala	Edible Oil & Ghee	Trichy	9/17/2016	East	₹2,163	26%		3 Tamil Na	
-	OD34	Anu	Oil & Masala	Masalas	Madurai	9/17/2016	East	₹1,689	34%		Tamil Na	165
-	OD38	Willams	Fruits & Veggies	Organic Vegetables			Central	₹1,354	16%		2 Tamil Na	
-	OD39	Jonas	Fruits & Veggies	Fresh Fruits	Chennai	12/27/2016	Central	₹1,751	19%		5 Tamil Na	10000000000000000000000000000000000000
-	OD40	Sabeela	Eggs, Meat & Fish	I was a second	Cumbum	12/27/2016	Central	₹ 2,045	23%		5 Tamil Na	O COLUMN TO A COLU
-	OD41	Malik	Beverages	Health Drinks	Namakkal	12/27/2016	Central	₹660	19%		Tamil Na	
222	OD42	Arutra	Beverages	Soft Drinks	Salem	09-10-2018	Central	₹1,868	18%		4 Tamil Na	0.000
	OD43	Sharon	Snacks	Cookies	Bodi	7/17/2017	West	₹1,017	25%		3 Tamil Na	200
-	OD44	Mathew	Snacks	Cookies	Dharmapuri	9/19/2018	South	₹ 2,311	20%	XI 07000	Tamil Na	CARL COLOR
-	OD45	Amrish	Bakery	Biscuits	Krishnagiri	03-11-2017	Central	₹1,663	17%		2 Tamil Na	CANADA TO THE PARTY OF THE PART
-	OD46	Vince	Eggs, Meat & Fish		Madurai	03-11-2017	Central	₹1,420	19%		Tamil Na	
-	OD47	Suresh	Fruits & Veggies	Organic Vegetables		10/20/2015	Central	₹1,415	31%		Tamil Na	100 CO
-	OD48	Mathew	Snacks	Noodles	Chennai	6/20/2017	East	₹1,488	30%		3 Tamil Na	A STATE OF THE PARTY OF THE PAR
-	OD40	Ridhesh	Snacks	Noodles	Pudukottai	6/20/2017	East	₹726	18%		5 Tamil Na	
-	OD50	Amrish	Bakery	Cakes	Ooty	4/18/2016	Central	₹1,259	15%		7 Tamil Na	
-	OD50	Esther	Beverages	Soft Drinks	Salem	4/18/2016	Central	₹902	29%		4 Tamil Na	
-	OD51 OD52	Shah	Table 1 (10) Called Cal	Soft Drinks	Salem		Central					Cabacherra
-	OD52 OD53	Sudha	Beverages	Cakes	Theni	4/18/2016 4/18/2016		₹ 2,306	30% 19%		4 Tamil Na • Tamil Na	200
			Bakery				Central	₹1,417			7 Tamil Na	
1	OD54	Yusuf Esther	Fruits & Veggies Fruits & Veggies	Fresh Vegetables Organic Fruits	Madurai Nagercoil	12-11-2017 12-11-2017	East East	₹627 ₹760	33% 28%		3 Tamil Na 3 Tamil Na	10000000000000000000000000000000000000

- Apply Excel Functions to automate Computation, simulation of new feature
 - ➤ Below we are going to use COUNTIFS function, so that we can get the number of people who have ordered amount greater than 1000 rupees by region wise.
 - Also how you can classify orders into different value segments using IF statements based on the total sales amount in your dataset (low<600, medium<800 and high<1000).</p>



 Visualize the data columns using charts such as bar chart, line chart, pie chart, tree map.

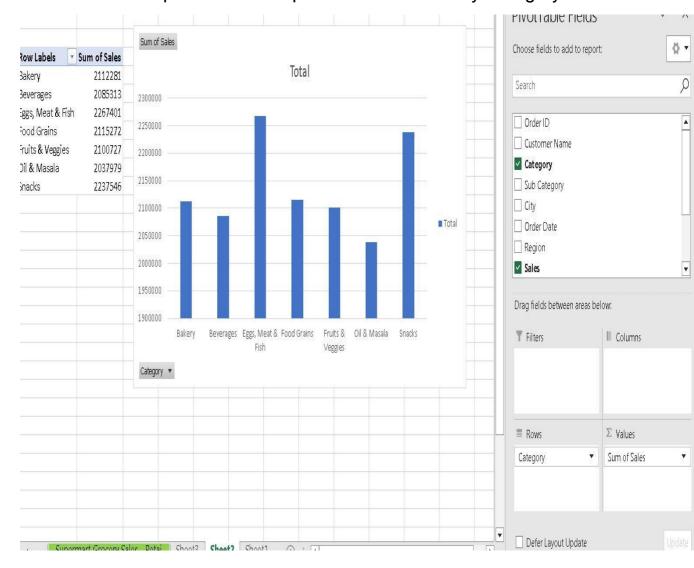


 Prepare different pivot tables to summarize the data, visualize the pivot table using pivot Chart. In the pivot table below we have put Profit in 'Values' and city in 'Column'.

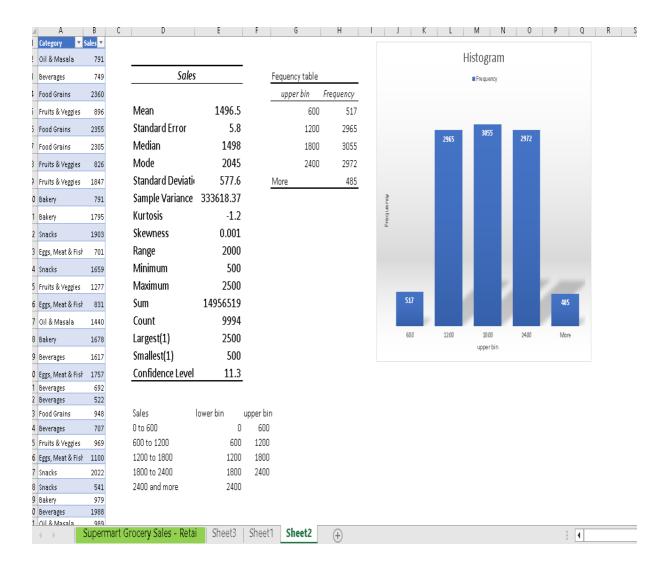
Let's create another pivot chart along with pivot table in the next slide.



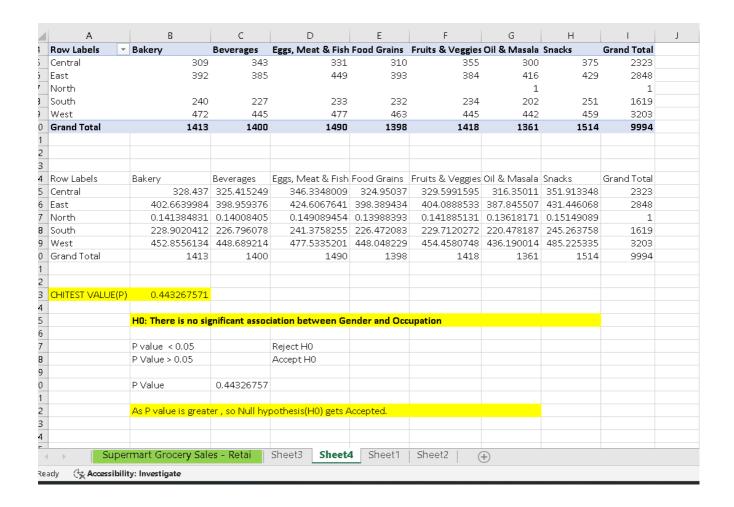
Below is another pivot chart with pivot table for Sales by Category.



- Perform Descriptive Statistics on the dataset to get basic statistical distribution or insights from data
 - ➤ To perform Descriptive Statistics on the dataset, first we need to install Data Analysis Toolpak. In this section, we are going to create a Summary table, histogram and frequency table. First of all enable Data Analysis Toolpak by going to file->options ->Manage dropdown and select Data Analysis from Excel Add-ins.



- Form hypothesis for your data and perform Hypothesis Testing (Analytic Toolpak) between different variables to validate whether it is valid or not.
 - ➤ In this example, we are going to test Null hypothesis between two categorical column 'Region' and 'Category'. We are going to use ChiTest function, so we can Calculate P value in order to validate whether it is valid or not.



• In the above table, we can see that we have two tables, one table consists of actual frequency of sales placed in each region and in second table, it shows expected frequency. Then we Calculated the ChiTest value (p value) and finally we got our conclusion that, there is no significant association between Gender and Region (these two variable).

- Perform regression analysis using the (Analytic Toolpak) input features and predict the target feature in the dataset
 - ➤ In this step, first select the data range including headers. In your case, it would be from A1 to K20.Go to the "Data" tab, then click on "Data Analysis" in the "Analysis" group and choose "Regression" from the list of analysis tools and click "OK."In the Regression dialog box:Input Y Range: Select the column containing the target variable you want to predict (in this case, "Sales") & Input X Range: Discount & profit

ofit 🕶 State 401.28 Tamil Nadu 401.28 Tamil Nadu 401.28 Tamil Nadu SUMMARY OUTPUT 401.28 Tamil Nadu 401.28 Tamil Nadu Regression Statistics 0.605125561 322.7 Tamil Nadu Multiple R 346.92 Tamil Nadu 0.366176945 147.76 Tamil Nadu Adjusted R Square 0.366050066 181.93 Tamil Nadu Standard Error 459.8884035 Observations 437.69 Tamil Nadu 308.44 Tamil Nadu ANOVA 315.21 Tamil Nadu Significance F 1220778413 610389206.4 2886.037223 Regression 63.85 Tamil Nadu 207.75 Tamil Nadu Residual 9991 211497.3437 100.8 Tamil Nadu Total 3333848374 9993 318.82 Tamil Nadu 113.19 Tamil Nadu Coefficients Standard Error t.Stat Lower 95% Upper 95% Lower 95.0% Upper 95.0% 58.56668005 16.382415 927.3508242 386.54 Tamil Nadu Intercept 959.4636579 991.5764916 927.3508242 -41.17873199 -162.0038366 79.64637259 -162.0038366 208.8 Tamil Nadu X Variable 2 1.457271388 47.4 Tamil Nadu 148.47 Tamil Nadu 77.52 Tamil Nadu 495 Tamil Nadu 202.2 Tamil Nadu 43.28 Tamil Nadu 401.39 Tamil Nadu 874.72 Tamil Nadu 69.23 Tamil Nadu 166.05 Tamil Nadu 420 Tamil Nadu 670.53 Tamil Nadu 337.8 Tamil Nadu 80.9 Tamil Nadu

Multiple R: The correlation coefficient between the dependent variable (Sales) and the independent variables (Discount and Profit) is approximately 0.605. This indicates a moderate positive linear relationship between the variables.

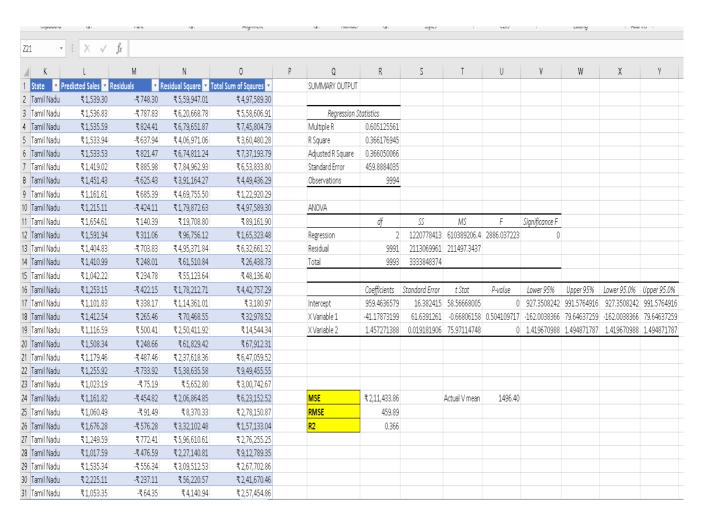
R Square: The coefficient of determination is approximately 0.366. This means that approximately 36.6% of the variation in sales can be explained by the variation in Discount and Profit.

Adjusted R Square: This is the R Square adjusted for the number of predictors in the model. It's approximately 0.366, similar to R Square.

Standard Error: The standard error of the estimate is approximately 459.89. It measures the average distance between the actual sales values and the predicted sales values by the model.

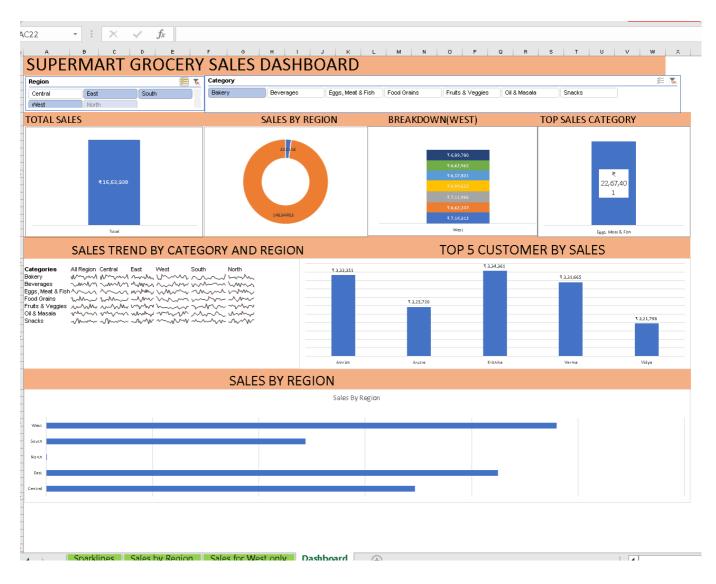
Observations: The number of data points used in the analysis is 9994.

 Evaluate the regression mechanism using different measures such as MSE, RMSE, R2 score etc



- In this step, we added four new columns, so that we can calculate MSE, RMSE and R2 values. Calculate Residuals: Subtract the predicted sales values from the actual sales values to compute the residuals.
- 2. **Square Residuals**: Square each residual value.
- Calculate MSE: Find the average of the squared residuals. Our MSE value is 2,11,433.86
- 4. **Calculate RMSE**: Take the square root of MSE. Our RMSE value is 459.89
- 5. Calculate R2: And finally, our R2 value is 0.366. The formula to calculate R2 value is 1-(SSR/SST)

- 6. Where SSR is the sum of squared residuals and SST is the total sum of squares (you which is computed by squared differences between each actual value and the mean of all the actual values, and then sum up these squared differences.
- Build a Dashboard for the dataset to summarize data with tables, graphs supported with different data filters



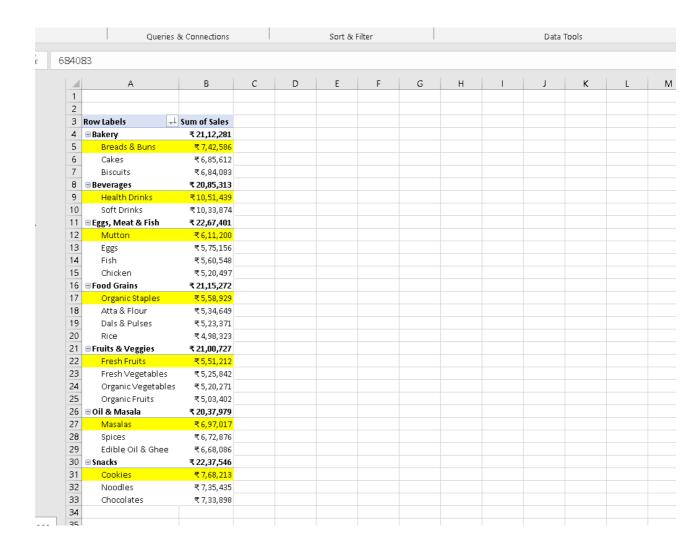
As you can see from above picture, we have created a interactive dashboard which includes of different types of charts and sparklines. We have also used two Slicers i.e. Region and Category, and have also turned on 'Report Connection' from slicers tab, to establish connection through various pivot tables.

Now, we will be answering the business question which we prepared earlier for this dataset.

1. What are the top-selling products by category and sub-category?

First of all, we are going to set up the PivotTable with the Category and Sub-Category fields in the Rows area and the Sales field in the Values area, you'll see a table displaying the total sales for each combination of Category and Sub-Category.

To identify the top-selling products by Category and Sub-Category, we can use the following steps: Click on any cell within the PivotTable. Go to the "Data" tab in the Excel ribbon. Click on the "Sort Highest to Smallest". Now we have sorted sub-categories in Ascending order where higher value comes first and have highlighted them in yellow colour.

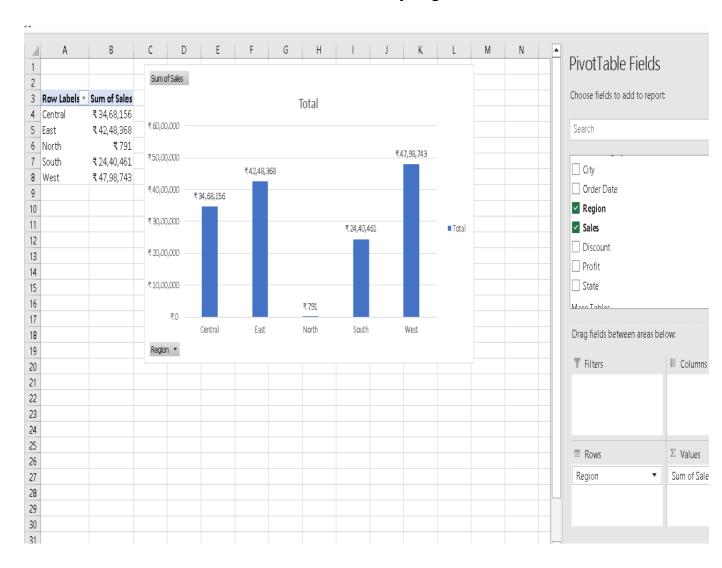


In the above example, we can see that for bakery Category, Bread & Buns have most sales with the amount figure of 7,42,586 rupees. Similarly, in Beverages category we

have Health Drinks as top selling sub-category .Also Eggs, Meat & Fish is the highest category by sales.

2. How do sales vary by region, and which regions contribute the most to total sales?

At first, we create a pivot table for the dataset. In the PivotTable Fields pane that appears on the right, drag the "Region" field to the Rows area and the "Sales" field to the Values area. Then we are going to use a PivotChart to visualize the sales distribution by region.



From the above chart we can clearly see that West region has the most sales with the value of ₹ 47,98,743. Likewise, North region has the least sales with the value of ₹ 791.

3. How do Sales vary over time? (Year)

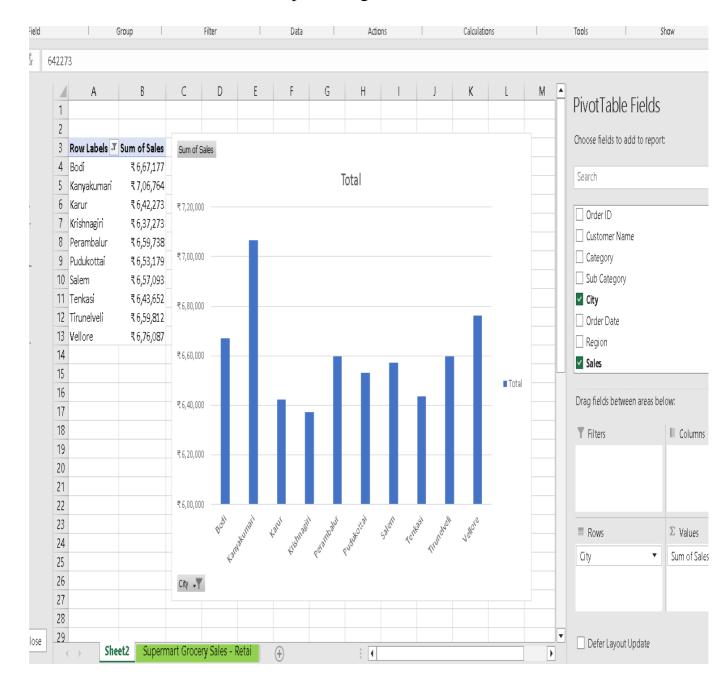
For this we are going to create a line chart.

4	A	В	С	D E	F	G	Н		J	K	L	М	N	0	Р
1															
2			- (-)												
	Row Labels 🔻	Sum of Sales	Sum of Sales												
	2015	₹ 29,75,599	₹60,00,000												
	2016		₹50,00,000					₹ 49,77,51	.2						
		₹ 38,71,449	~ 50,00,000			# 1	8,71,449								
		₹49,77,512	₹ 40,00,000				0, 71, 445								
	Grand Total	₹ 1,49,56,519		₹29,75,599	₹31,31,95	59									
9			₹30,00,000												
			₹20,00,000												
11			. 20,00,000												
12			₹10,00,000												
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14			₹0	2015	2016		2017	2018							
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➤ Total sales for the year 2015 amounted to ₹2,975,599. This marks the starting point of the observed sales trend. Sales showed a slight increase in 2016, reaching a total of ₹3,131,959. This indicates a modest growth in sales compared to the previous year. The year 2017 experienced a more significant increase in sales, with total sales amounting to ₹3,871,449. This suggests a notable uptrend in sales performance compared to the previous years. Sales continued to rise in 2018, reaching the highest total sales figure of ₹4,977,512 among the observed years. This indicates a substantial growth in sales, demonstrating the highest level of performance during the period.

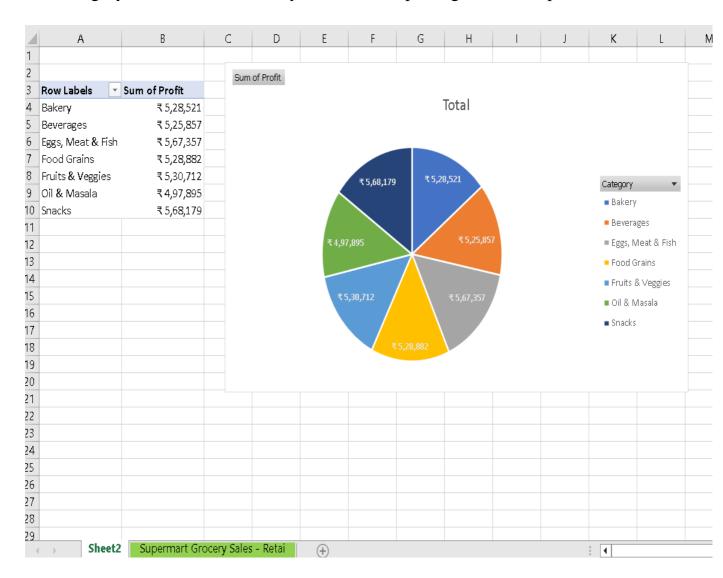
4. Which city has highest sales?

To determine which city has highest sales, we are going to filter top 10 cities by sum of sales and then we will be representing the data in clustered column.



5. What is the total profit generated from each category?

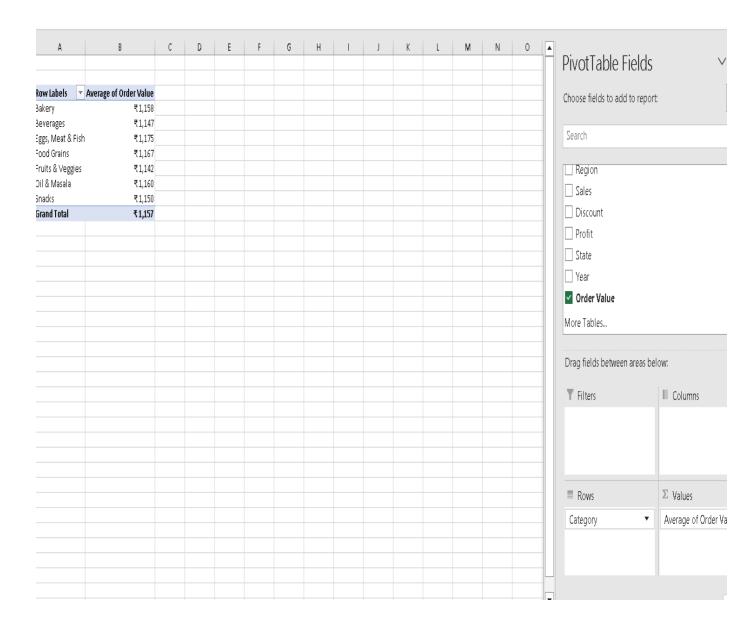
For this we are again going to use pivot table where we place profit in 'Values' and Category in 'Rows'. And finally, we will be replacing the data in pie chart.



From above we can say that the Bakery category has generated a total profit of 528,521. This indicates the profitability of products such as bread, cakes, and pastries within this category. Beverages have contributed a total profit of 525,857. This includes profits from various drinks such as tea, coffee, juices, and soft drinks. The category of Eggs, Meat & Fish has generated a total profit of 567,357. This category likely includes profits from items such as eggs, poultry, meat, and seafood. Food Grains have contributed a total profit of 528,882. This category encompasses profits from staples such as rice, wheat, grains, and pulses.

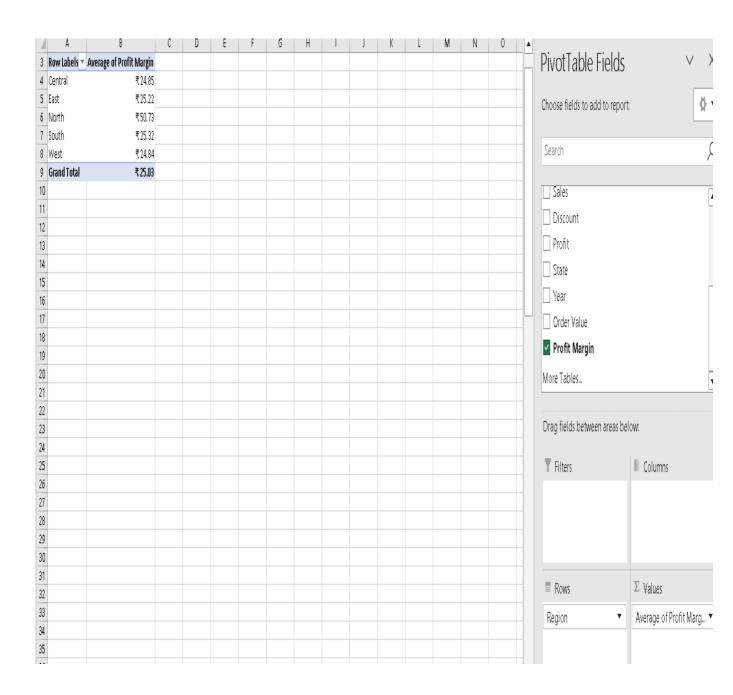
6. What is the average order value for each category?

In this step, we are going to create a new column named Average order value and in the first cell we are going to calculate average order by using formula Sales*(1-Dis %) and we are going to drag it down to fill other cells. Finally, we will be placing average order value is 'Values' and Category in 'Rows'. Also, in the "Value Field Settings" dialog box, change the "Summarize Values By" option to "Average".



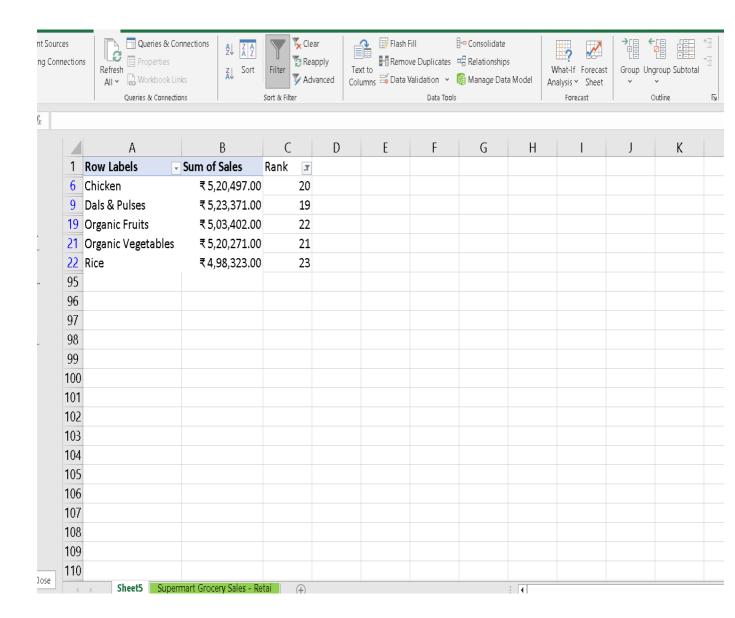
7. Which region has highest average profit margin?

First of all, we need to create a new column (let's say "Profit Margin") and use the formula =(Profit / Sales) * 100 to calculate the profit margin for each order. This formula calculates profit margin as a percentage of sales. Then we will insert a PivotTable (go to Insert > PivotTable). Drag the "Region" column to the Rows area and the "Profit Margin" column to the Values area. In the "Value Field Settings" dialog box, change the "Summarize Values By" option to "Average". Click "OK".



8. What are the top 5 most selling products overall?

At first, we need to create a PivotTable using our dataset. Then drag the "Product" column to the Rows area. Drag the "Sales" column to the Values area. And then we insert a new column next to the PivotTable to calculate the rank. In the first cell of the new column, we need to enter the formula =RANK.EQ(B2,\$B\$2:\$B\$100,0). At last Filter the rank column to show only the top 5 ranks. This will display the top 5 best-selling products overall.



To find closest match to a value from a list of values

To find the closest match to a specific value in the "Sales" column, we need to Calculate the Differences. In a new column, subtract the specific value from each value in the "Sales" column. This calculates the absolute differences between the specific value and each value in the list. In our example, we are taking 442 Rupees as specific value. Then we will use the MIN function to find the minimum absolute difference from the list using the formula: =MIN(L2:C9550).At last we will use INDEX and MATCH functions to find the closest match based on the minimum difference. In a separate cell, enter the formula: =INDEX(H2:H9995,MATCH(MIN(L2:L9995),L2:L9995,0)) and our closest value is 500.

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Customer Name Harish		Sub Category Masalas	City vellore	Order Date On 14, 2017				_		Value difference 349			Specific Value	₹ 44
iarish Sudha	Oil & Masala			08-11-2017 08-11-2017		₹791 ₹749			Tamil Nadu Tamil Nadu	349			Min Difference	
	Beverages Earl Corine	Health Drinks	Krishnagiri										Min Difference	
Hussain	Food Grains	Atta & Flour	Perambalur	12-06-2017		₹2,360			Tamil Nadu	1918			Alexander I	F/
ackson	Fruits & Veggies	Fresh Vegetables	Dharmapuri	11-10-2016		₹896			Tamil Nadu	454			Closest Match	50
Ridhesh	Food Grains	Organic Staples	Ooty	11-10-2016		₹2,355			Tamil Nadu	1913				
Adavan	Food Grains	Organic Staples	Dharmapuri	09-06-2015		₹ 2,305			Tamil Nadu	1863				
onas		Fresh Vegetables	Trichy	09-06-2015		₹826			? Tamil Nadu	384				
Hafiz	Fruits & Veggies		Ramanadhapuram			₹1,847			Tamil Nadu	1405				
Hafiz	Bakery	Biscuits	Tirunelveli	09-06-2015		₹791			Tamil Nadu	349				
(rithika	Bakery	Cakes	Chennai	09-06-2015		₹1,795			Tamil Nadu	1353				
Banesh Banesh	Snacks	Chocolates	Karur	09-06-2015		₹1,903			Tamil Nadu	1461				
'adav	Eggs, Meat & Fish	Eggs	Namakkal	09-06-2015	West	₹701	10%	₹ 308.44	Tamil Nadu	259				
haron	Snacks	Cookies	Dindigul	15-04-2018	South	₹1,659	19%	₹315.21	. Tamil Nadu	1217				
eer eer	Fruits & Veggies	Fresh Vegetables	Kanyakumari	05-12-2017	West	₹1,277	25%	₹63.85	Tamil Nadu	835				
iundar	Eggs, Meat & Fish	Chicken	Kanyakumari	22-11-2016	Central	₹831	22%	₹207.75	Tamil Nadu	389				
≀amesh	Oil & Masala	Edible Oil & Ghee	Krishnagiri	22-11-2016	Central	₹1,440	11%	₹100.80	Tamil Nadu	998				
Alan	Bakery	Cakes	Dharmapuri	11-11-2015	Central	₹1,678	28%	₹318.82	? Tamil Nadu	1236				
Arutra	Beverages	Health Drinks	Bodi	13-05-2015	West	₹1,617	19%	₹113.19	Tamil Nadu	1175				
Haseena	Eggs, Meat & Fish	Mutton	Tenkasi	27-08-2015	West	₹1,757	35%	₹386.54	Tamil Nadu	1315				
/erma	Beverages	Soft Drinks	Kanyakumari	27-08-2015	West	₹692	29%	₹159.16	Tamil Nadu	250				
Hafiz	Beverages	Health Drinks	Vellore	27-08-2015	West	₹522	19%	₹ 208.80	Tamil Nadu	80				
Alan	Food Grains	Dals & Pulses	Karur	09-12-2017	Central	₹948	13%	₹ 47.40	Tamil Nadu	506				
Haseena	Beverages	Soft Drinks	Krishnagiri	09-12-2017	Central	₹707	34%	₹148.47	7 Tamil Nadu	265				
Alan		Organic Vegetables		16-07-2018		₹969	29%		Tamil Nadu	527				
haron	Eggs, Meat & Fish		Ooty	25-09-2016		₹1,100) Tamil Nadu	658				
(rithika	Snacks	Chocolates	Tirunelveli	16-01-2017		₹ 2,022			Tamil Nadu	1580				
∕luneer	Snacks	Cookies	Trichy	16-01-2017		₹541	12%		Tamil Nadu	99				

CONCLUSION:

In conclusion, our team successfully completed the project work on finding the 1st match to a value in Excel. Through collaborative efforts and dedication, each team member contributed their skills and expertise to achieve our objectives. By working together, we were able to analyze the requirements, develop a systematic approach, and implement the solution efficiently. Each team member played a crucial role in the project's completion, contributing unique perspectives and insights to overcome challenges .

This project has not only enhanced our technical skills but also strengthened our teamwork and communication abilities, which are essential for future endeavors. Working on this project has been an enriching journey for all of us, allowing us to explore new concepts, hone our skills, and collaborate effectively as a team. We would like to extend our heartfelt gratitude to the L&T Edu Tech Team for entrusting us with the exciting opportunity to work on this project. We are immensely grateful for the confidence you have placed in our team and for providing us with this valuable learning experience.