

Symbiosis Institute of Technology, Pune
Artificial Intelligence and Machine Learning

M. Tech 2023-25 Batch
CA2: Dashboard Project
Submitted by

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(Prn-23070149010)

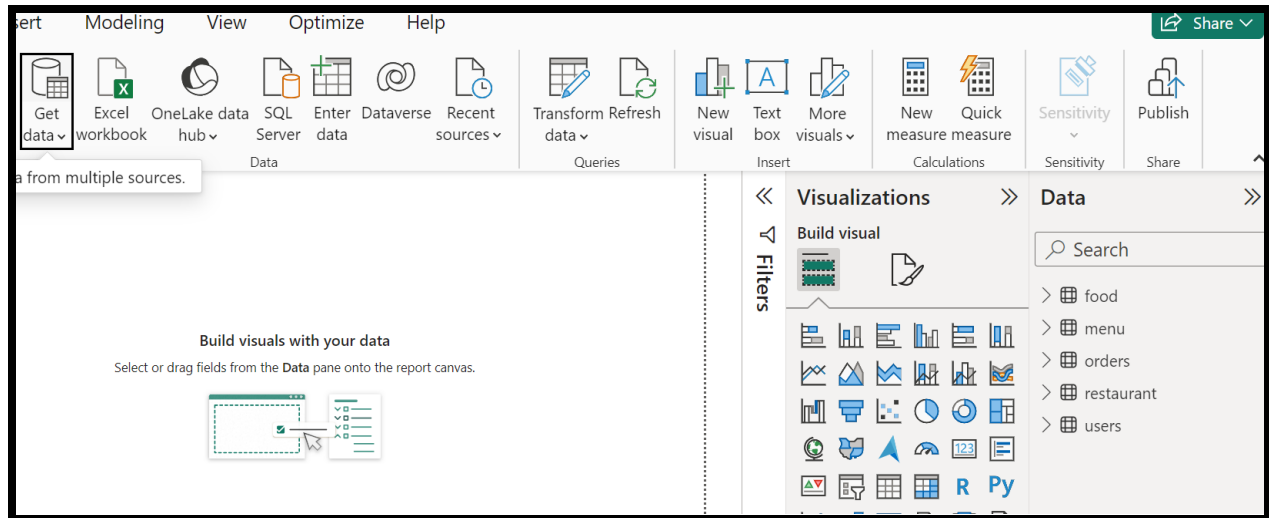
Title - Zomato India sales data

1.Title - Zomato India sales data

2.Objectives - The Zomato sales data report in Power BI visualization aims to offer useful patterns and insights for improving sales and operational tactics.

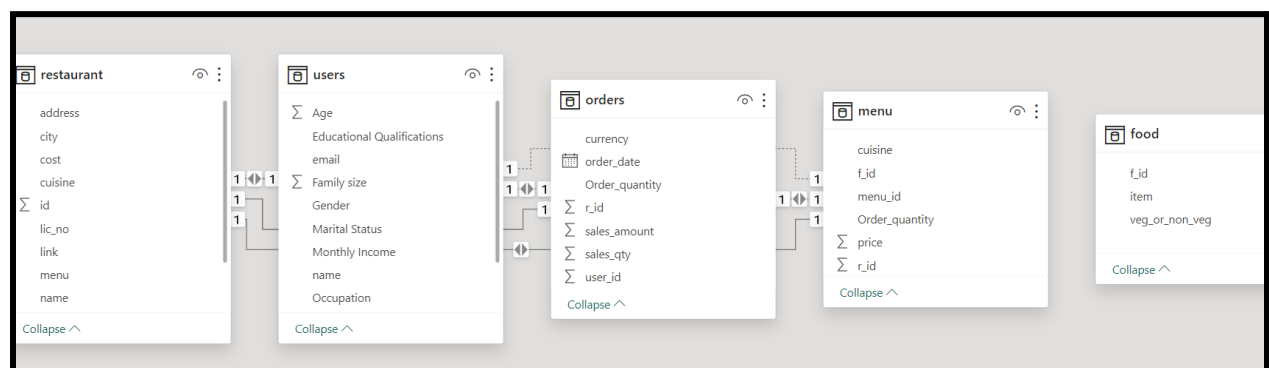
3.A Description of the dataset-I developed a Power BI report that leveraged a data model connecting five tables, including food menu, order, restaurant, and user data. Through this report, I was able to display critical metrics such as total sales quantity, sales amount, and year-wise sales data in a drill-down column stack. Additionally, I utilized the data model to analyze user demographics, including a count of users by age and price range, to uncover insights into consumer behavior. Overall, my Power BI report effectively presented a comprehensive analysis of Zomato's sales data, providing valuable insights into the company's sales strategy.

Load the data- Load the data into Power BI without making any changes to it. Transform : Modify the data before loading it into Power BI.



Data Preprocessing & Manage Relationships:-

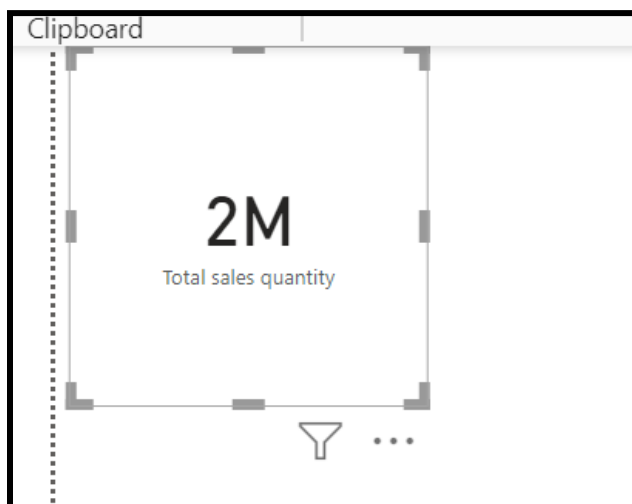
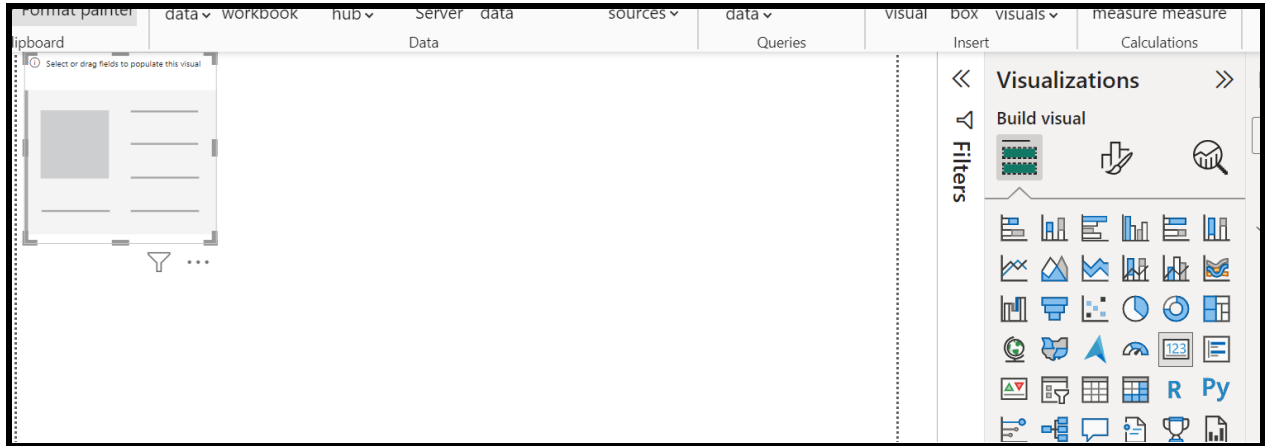
We can manage how Power BI treats and automatically adjusts relationships in your reports and models. To specify how Power BI handles relationships options, select File > Options and settings > Options from Power BI Desktop, and then select Data Load in the left pane.



We can use this tool to perform a variety of transformations to clean, evaluate, shape, and combine your data ready for analysis.

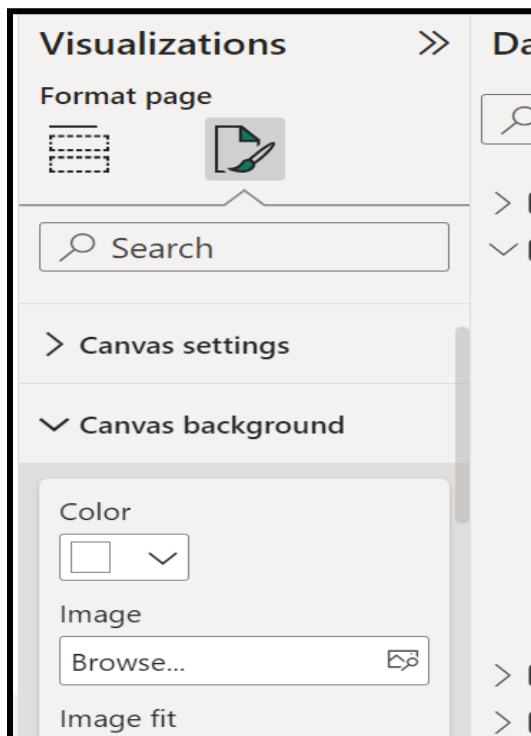
✕ ✓			
Column1	f_id	item	veg_or_non_veg
0	fd0	Aloo Tikki Burger	Veg
1	fd1	Veg Creamy Burger	Veg
2	fd2	Cheese Burst Burger	Veg
3	fd3	Paneer Creamy Burger	Veg
4	fd4	Maxican Burger	Veg
7	fd7	White Sauce	Veg
8	fd8	Red Sauce	Veg
9	fd9	Pink Sauce	Veg
10	fd10	Masala Pasta	Veg
13	fd13	Noodles	Veg
14	fd14	Singapuri Noodles	Veg

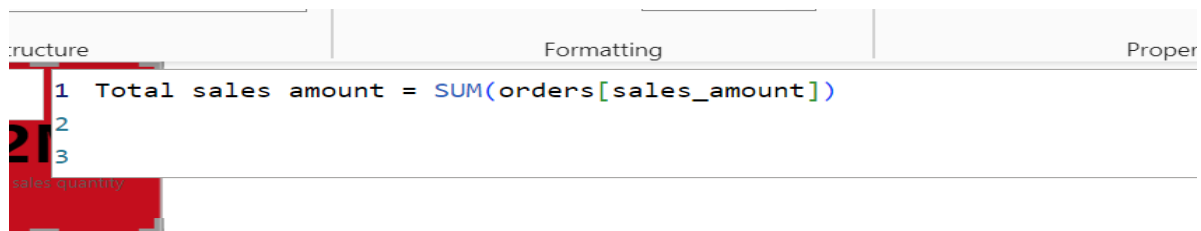
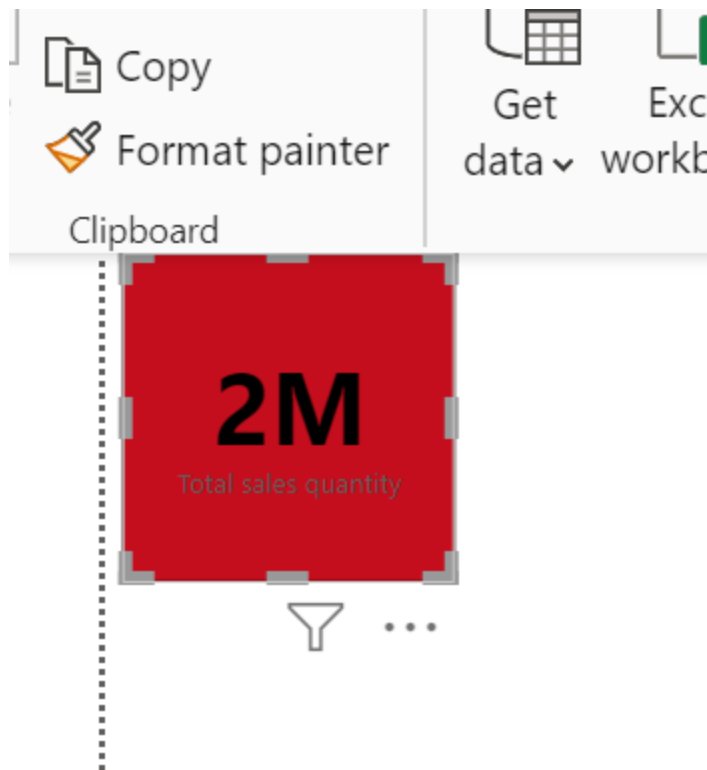
Data Visualization:-A single number, such as total sales, market share year over year, or total opportunities, is sometimes the most important thing you want to track. A type of visualization in Power BI called a card might be the best way to view that number. As with almost all of the native Power BI visualizations, you can create cards with the report editor or Q&A. Here's an example of a card visualization:



Visualizations (known as visuals for short) display insights that have been discovered in the data.

A Power BI report might have a single page with one visual or it might have pages full of visuals. In the Power BI service, visuals can be [pinned from reports to dashboards](#). It's important to make the distinction between report *designers* and report *consumers*. If you're the person building or modifying the report, then you're a designer. Designers have edit permissions to the report and its underlying semantic model. In Power BI Desktop, you can open the semantic model in Data view and create visuals in Report view. In Power BI service, you can open the data set or report in the report editor in [Editing view](#).





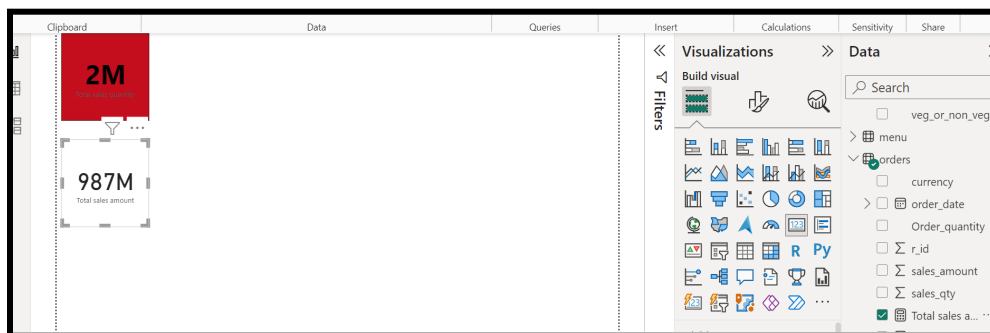
Measures: We have a Home table that defines where they're found in the field list. You can change their location by choosing a location from the tables in your model. You can also organize fields in a table into Display Folders. Select Model from the left edge of the Power BI Desktop.

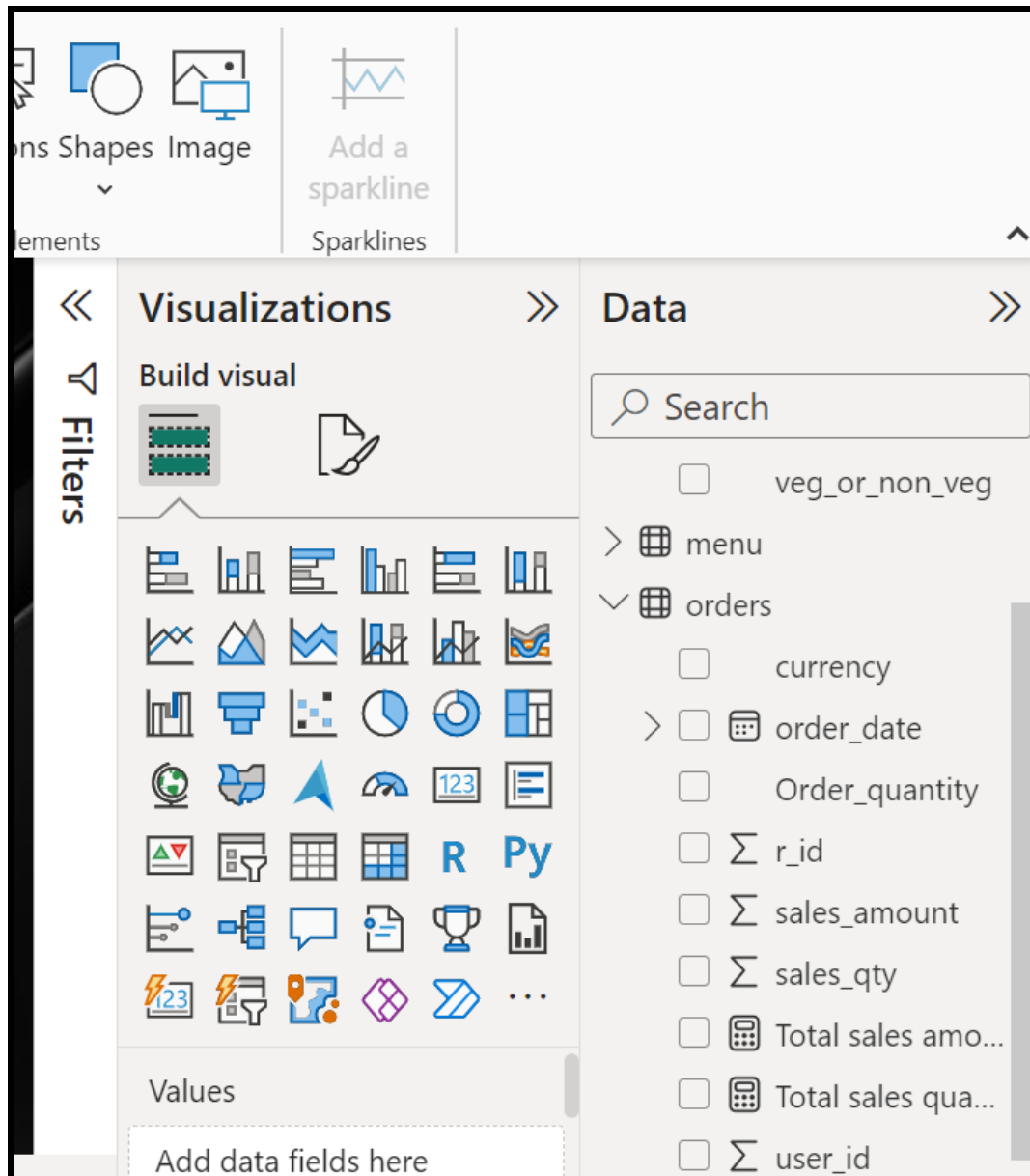
Insert a image

If you want to add your company logo or some other image to your dashboard, you save the

image file online and link to it. Make sure security credentials aren't required to access the image file. For example, because OneDrive and SharePoint require authentication, images stored there can't be added to a dashboard this way. Also, images can't be in .svg format.

1. From the Add tile window, select Image > Next.
2. From the Add image tile window, add the image information:
 - a. To display a title above the image, select Display title and subtitle and enter a Title and an optional Subtitle.
 - b. Enter the image URL.
 - c. To make the tile a hyperlink, select Set custom link and enter the URL.





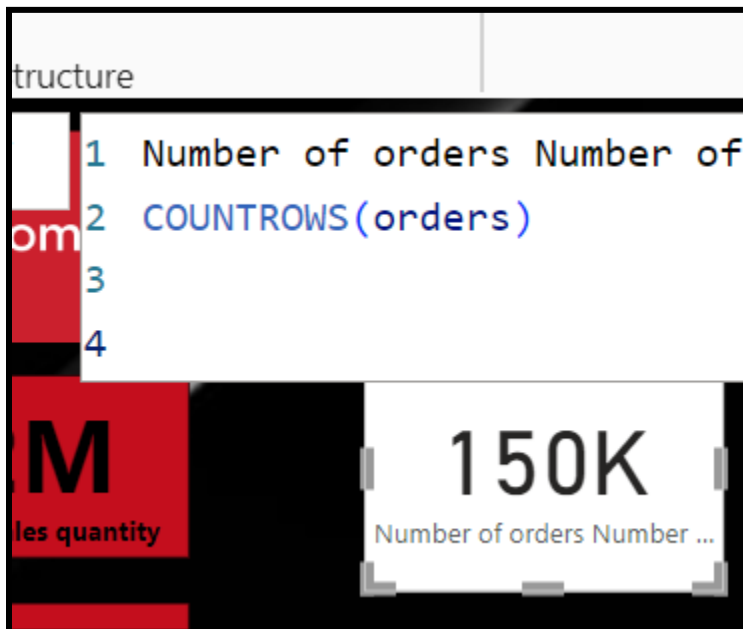
Go to 'Items' and select 'Background', you'll then be able to change the background color manually.

If you are referring to a **dashboard tile**, then I'm afraid at this moment in time you are unable to change the color. The default color is white.

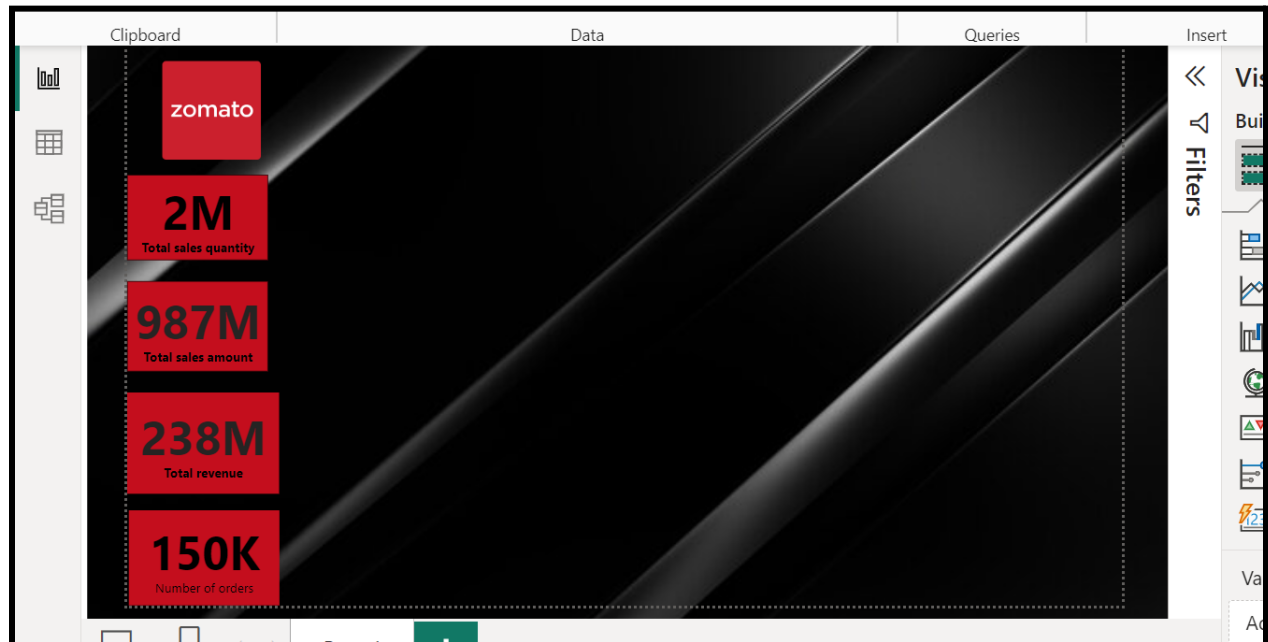
To change the **filter pane** background, you can go to the ribbon in Power BI, select 'View', click the themes dropdown, and select 'Customise Current Theme'. Then you'll be able to select 'Filter pane' and edit the background color. The filter pane is the pane to the left of the visualisations pane one the right of the report page itself.



Measure	Formatting
1 Total revenue = SUM(menu[price])	
zomato	

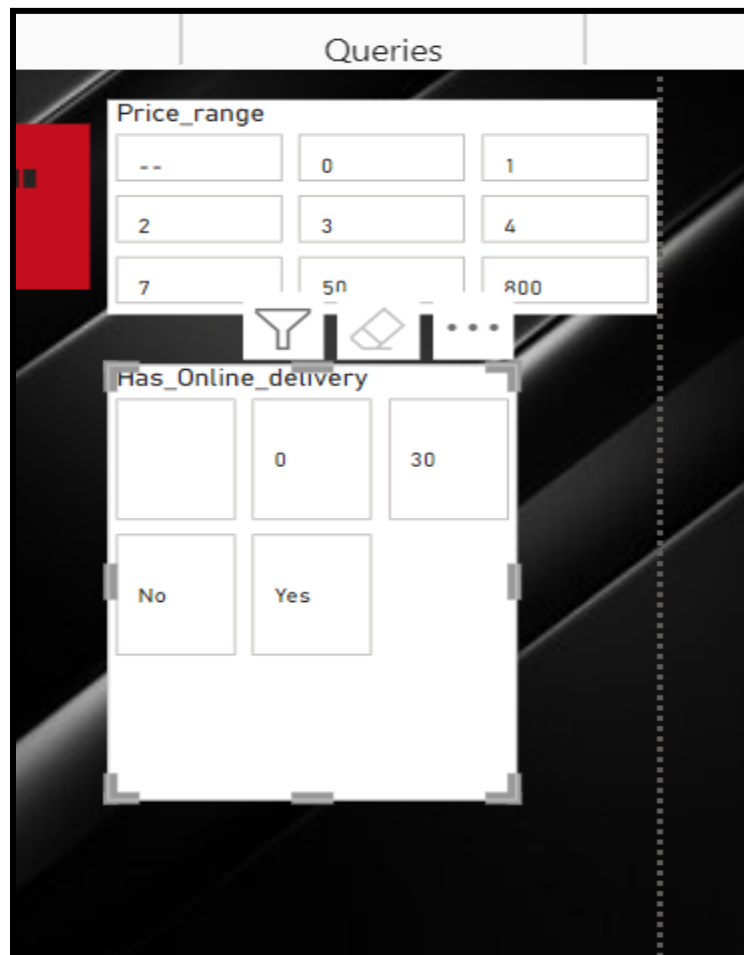
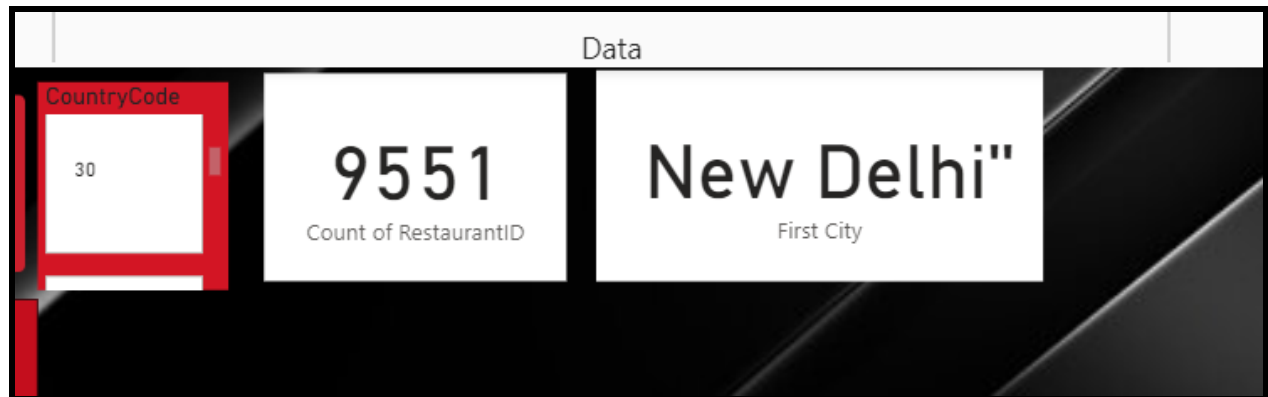


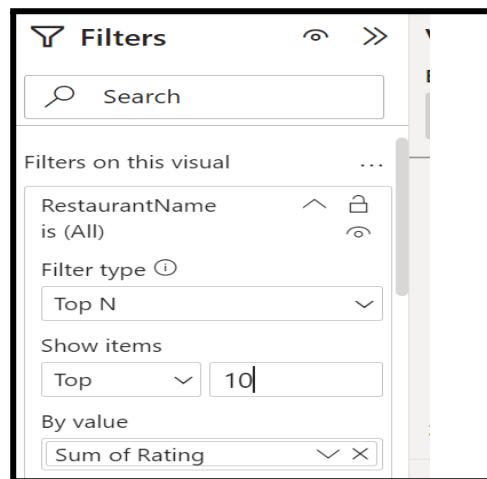
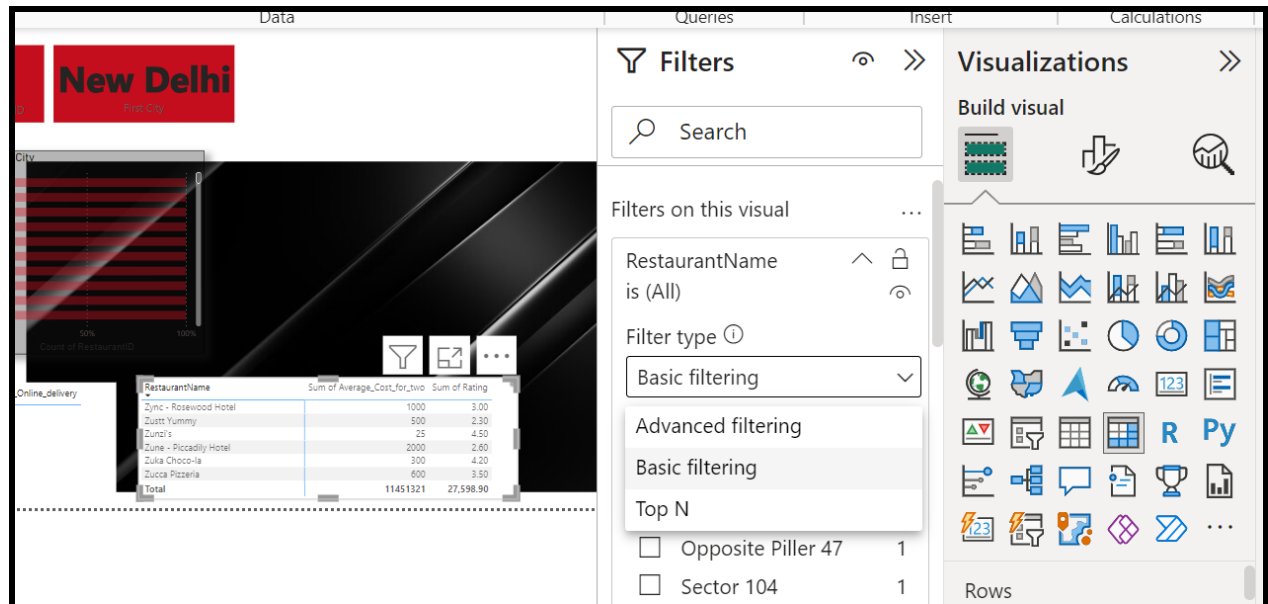
Data visualization through KPI card : A Key Performance Indicator (KPI) is a visual cue that communicates the amount of progress made toward a measurable goal. For more about KPIs, see [Key Performance Indicators \(KPIs\) in PowerPivot](#)



Structure		Formatting		Properties	
<pre>1 Max_Restaurent_Order = DISTINCTCOUNT(restaurant[restaurent_order])</pre>					
order	id	name		city	
30	475283	Joker Cafe		Abohar	
1856	386546	Satvik Bhajipav		GOTA,Ahmedabad	

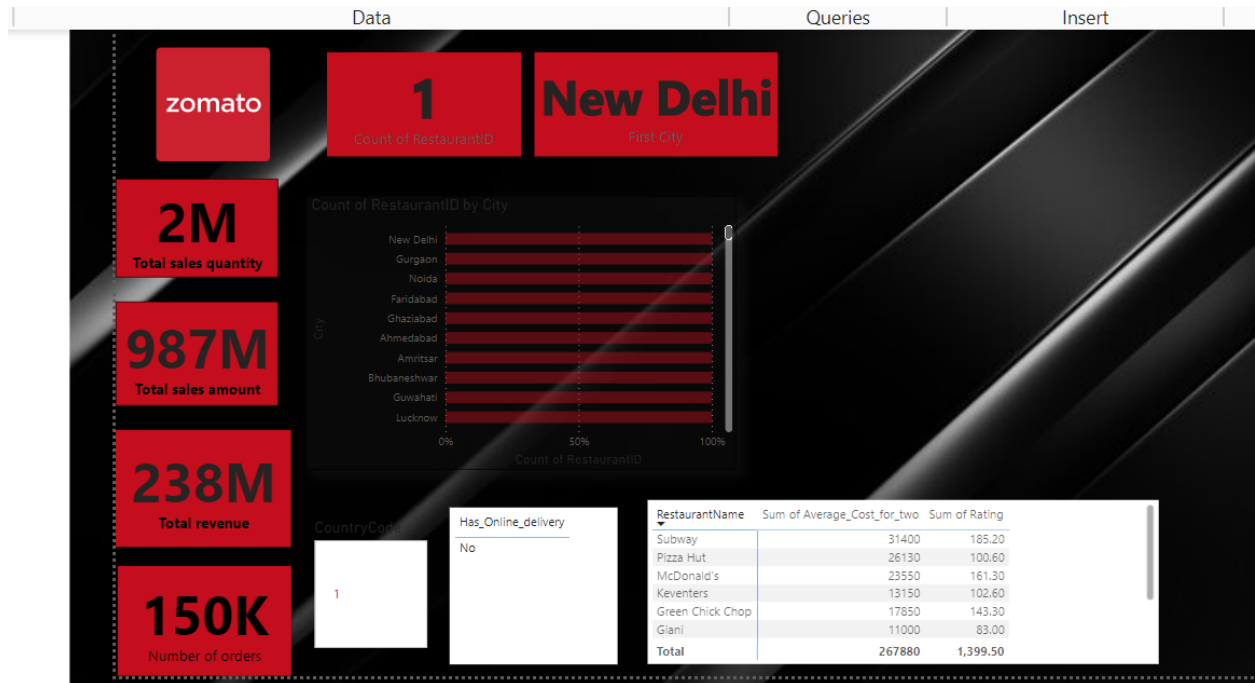
Use the slicer Slicers provide buttons that you can click to filter [tables](#), or [PivotTables](#). In addition to quick filtering, slicers also indicate the current filtering state, which makes it easy to understand what exactly is currently displayed.





Use basic filtering to select Top 10 Restaurant


Change the background color use the wallpaper




ations | Sensitivity | Share

<< Visualizations >>

Format page






Filters

Data

Search

Wallpaper

Color



>

Image

wall.jpg


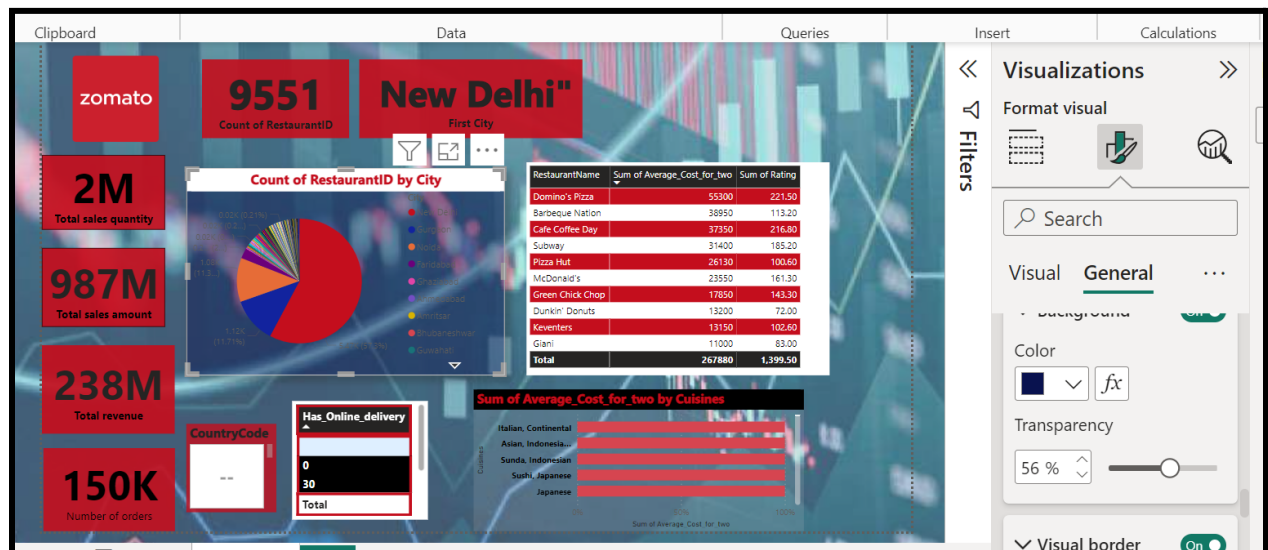
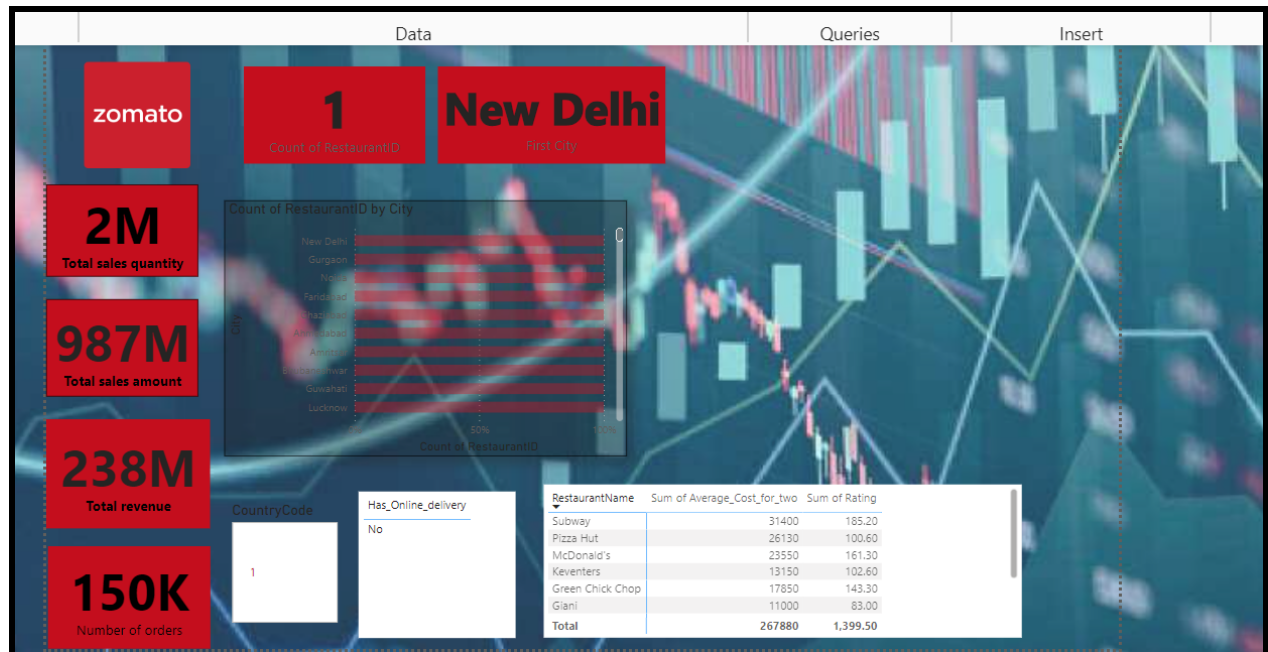


Image fit

Normal

>





Use the slicer and change the city know the restaurant rating demand of food above final dashboard is New Delhi and after applying filter below is Pune city.

