

Report Requirements

Report Link:

<https://app.powerbi.com/groups/me/reports/181e19bd-edda-4b36-b52c-0f198a0bbff8/05d315bc04571ad88e68?experience=power-bi>

The report fulfils the following requirements:

1. The report should have a header with report name and company logo.

Done!

2. The report should contain 2-3 unhidden pages + any number of hidden pages.

4 unhidden pages:





Pizza Place
We make pizza

Back

Year / Quarter

☒ 2022

☒ 2023

☒ 2024

Pizza Name	Sales
MEXICANA	1684301.41
TERIYAKI	1661415.89
RANCHO	1553404.39
FOUR CHEESE	788120.06
HAM AND MUSHROOMS	786949.59
MUSHROOM	764630.64
MARGARITA	743643.05
JALAPENO	734231.59
Total	10144207.28

Delivery Sales

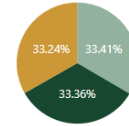
Total Delivery Sales

10.14M

Total Delivery Quantity

714K

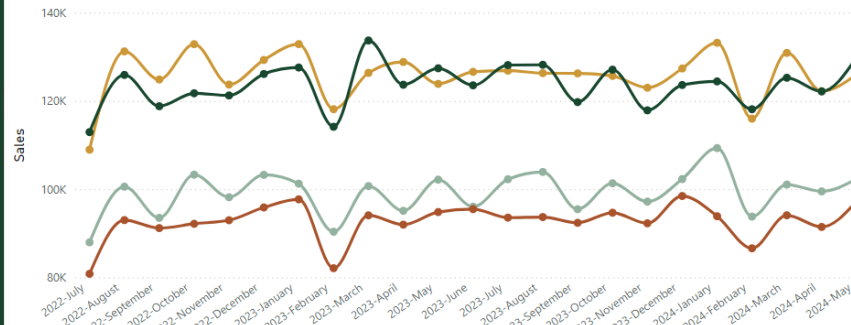
Sales by Deliveries



Delivery:
● TORNADO
● PANDA
● CLOVO

Sales by Districts

District: ● EASTERN ● NORTHERN ● SOUTHERN ● WESTERN



Pizza Place
We make pizza

Back

Year / Quarter

☒ 2022

☒ 2023

☒ 2024

Pizza Name	Sales
MEXICANA	1115687.08
TERIYAKI	1112331.28
RANCHO	1035517.73
HAM AND MUSHROOMS	525021.26
FOUR CHEESE	518867.46
MUSHROOM	512153.06
MARGARITA	499825.58
JALAPENO	493170.22
Total	6766070.56

Restaurant Sales

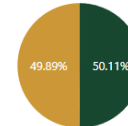
Total Restaurant Sales

6.77M

Total Restaurant Quantity

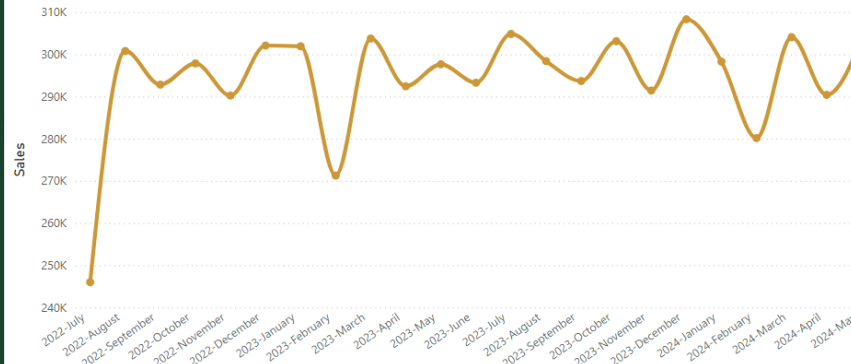
477K

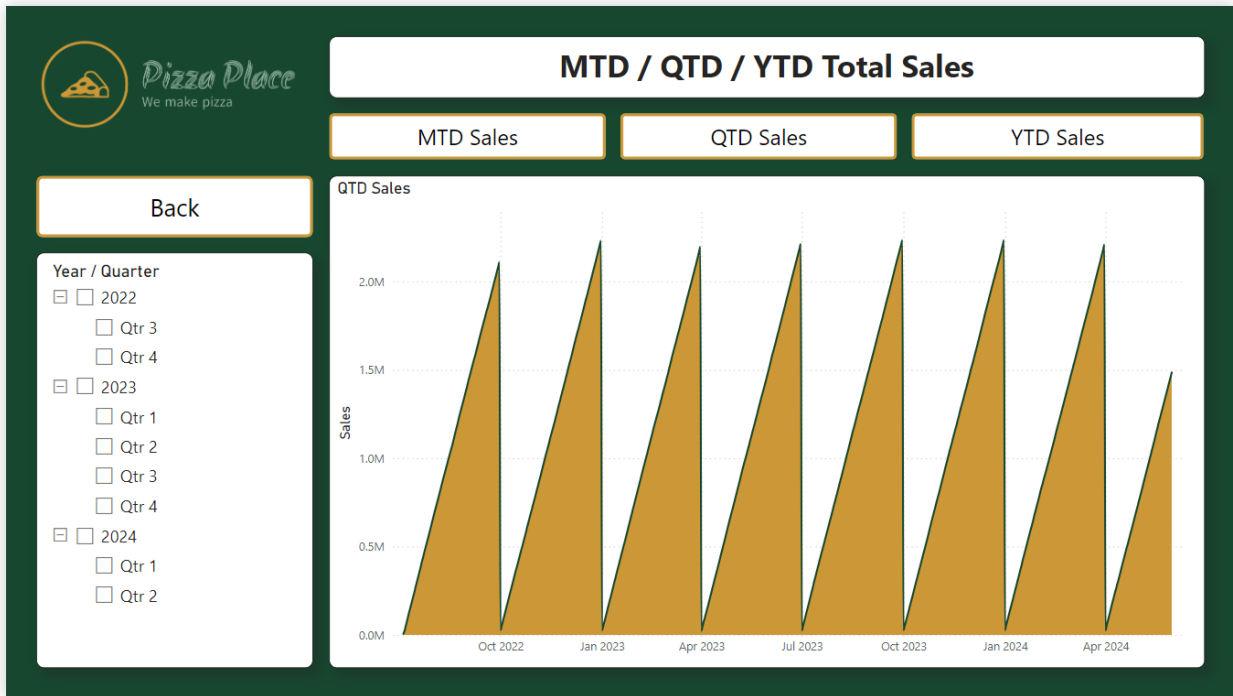
Restaurant Type Sales



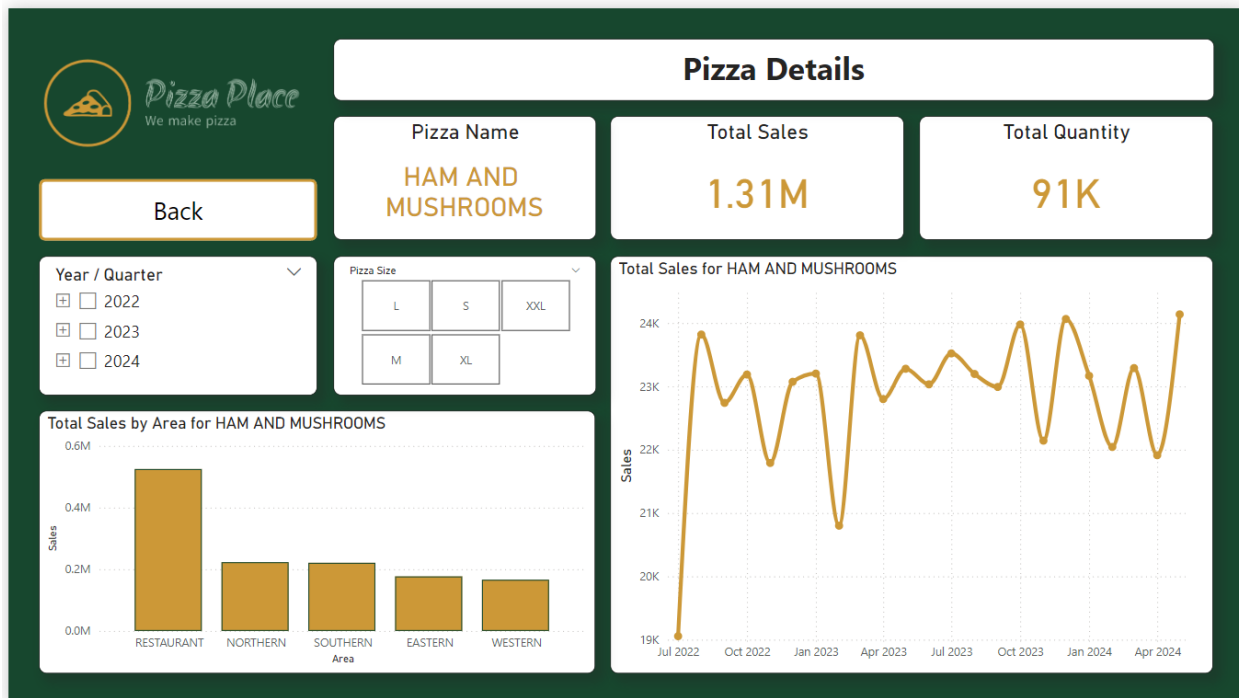
Type:
● IN
● OUT

Restaurant Sales





5 hidden pages (1 drill through page, 4 tooltip pages):



Percent of Total Sales		Percent of Total Quantity		Sales		Quantity	
100.00%		100.00%		Pizza Name	Sales	Pizza Name	Quantity
MEXICANA	2799988.49	TERIYAKI	183773	MEXICANA	2773747.17	TERIYAKI	183091
TERIYAKI	2773747.17	MEXICANA	183091	RANCHO	2588922.12	RANCHO	182978
RANCHO	2588922.12	RANCHO	182978	HAM AND MUSHROOMS	1311970.85	FOUR CHEESE	91908
HAM AND MUSHROOMS	1311970.85	FOUR CHEESE	91908	FOUR CHEESE	1306987.52	MARGARITA	91877
FOUR CHEESE	1306987.52	MARGARITA	91877	MUSHROOM	1276783.70	SALAMI	91765
MUSHROOM	1276783.70	SALAMI	91765	MARGARITA	1243468.63	PEPPERONI	91740
MARGARITA	1243468.63	PEPPERONI	91740	JALAPENO	1227401.81	JALAPENO	91459
JALAPENO	1227401.81	JALAPENO	91459	PEPPERONI	1198722.40	HAM AND MUSHROOMS	91255
PEPPERONI	1198722.40	HAM AND MUSHROOMS	91255	SALAMI	1182285.15	MUSHROOM	91100
SALAMI	1182285.15	MUSHROOM	91100	Total	16910277.84	Total	1190946

3. Best practices should be applied to the report (correct visual titles, arrangement of visuals on the canvas, optimal selection of visuals, etc.) If necessary, the navigation in the report must be configured.

Done!

4. The report should apply the acquired knowledge and skills (buttons, tips, bookmarks, etc.) Study additional material yourself if necessary.

Done!

5. Using DAX, create 2 or more calculated columns and 3 or more measures.

Created 2 additional columns: Year-Month Label and Year-Month Key to sort label by it (as in the HW's):

Final_Report.DWH_Rodin • Last saved: Today at 9:51 AM

Search

Ivan Rodin

File Home Help Table tools Column tools

Name: Year-Month Key Format: Whole number Summarization: Sum Sort by: column Data groups: Data relationships: New column

Structure: Properties: Calculations

1 Year-Month Key = INT(VALUE(FORMAT([date_id], "YYYYMM"))) / 100

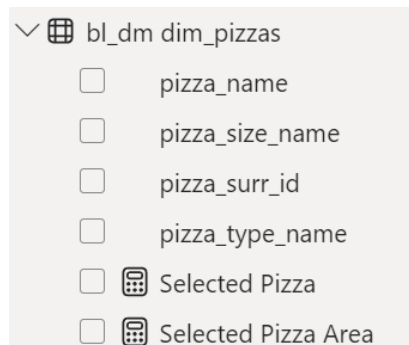
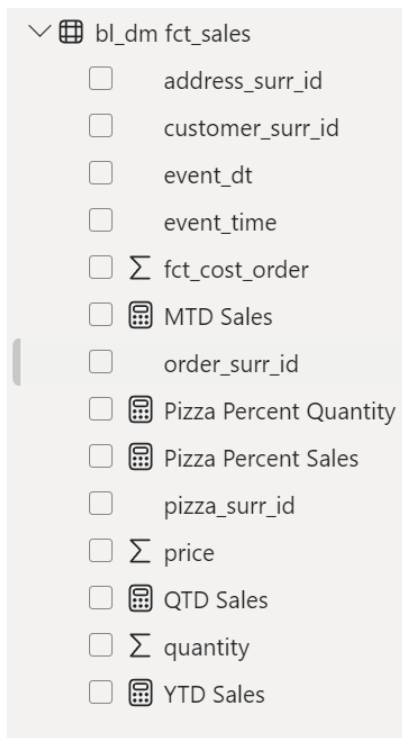
date_weekend	date_georgianholiday	date_period	date_cwstart	date_cwend	date_monthstart	date_monthend	Year-Month Label	Year-Month Key
Weekday	No holiday	Normal	Monday, March 1, 2021	Sunday, March 7, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 1, 2021	Sunday, March 7, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 1, 2021	Sunday, March 7, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 8, 2021	Sunday, March 14, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 8, 2021	Sunday, March 14, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 8, 2021	Sunday, March 14, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 15, 2021	Sunday, March 21, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 15, 2021	Sunday, March 21, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 15, 2021	Sunday, March 21, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 22, 2021	Sunday, March 28, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 22, 2021	Sunday, March 28, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 22, 2021	Sunday, March 28, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 22, 2021	Sunday, March 28, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 29, 2021	Sunday, April 4, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, March 29, 2021	Sunday, April 4, 2021	Monday, March 1, 2021	31-Mar-21 12:00:00 AM	2021-March	202103
Weekday	No holiday	Normal	Monday, February 28, 2022	Sunday, March 6, 2022	Tuesday, March 1, 2022	31-Mar-22 12:00:00 AM	2022-March	202203
Weekday	No holiday	Normal	Monday, February 28, 2022	Sunday, March 6, 2022	Tuesday, March 1, 2022	31-Mar-22 12:00:00 AM	2022-March	202203
Weekday	No holiday	Normal	Monday, February 28, 2022	Sunday, March 6, 2022	Tuesday, March 1, 2022	31-Mar-22 12:00:00 AM	2022-March	202203
Weekday	No holiday	Normal	Monday, March 7, 2022	Sunday, March 13, 2022	Tuesday, March 1, 2022	31-Mar-22 12:00:00 AM	2022-March	202203
Weekday	No holiday	Normal	Monday, March 7, 2022	Sunday, March 13, 2022	Tuesday, March 1, 2022	31-Mar-22 12:00:00 AM	2022-March	202203
Weekday	No holiday	Normal	Monday, March 7, 2022	Sunday, March 13, 2022	Tuesday, March 1, 2022	31-Mar-22 12:00:00 AM	2022-March	202203
Weekday	No holiday	Normal	Monday, March 14, 2022	Sunday, March 20, 2022	Tuesday, March 1, 2022	31-Mar-22 12:00:00 AM	2022-March	202203

Table: bl_dm_dim_dates (1,827 rows) Column: Year-Month Key (61 distinct values)

Search

bl_dm_dim_addresses
bl_dm_dim_customers_scd
bl_dm_dim_dates
date_calendareweek
date_cwend
date_cwstart
date_formatteddate
date_georgianholiday
date_id
date_month
date_monthday
date_monthend
date_monthname
date_monthstart
date_period
date_quarter
date_weekdayname
date_weekend
date_year
date_yearcalendareweek
date_yearday
date_yearmonth
date_yearquarter
Year-Month Key
Year-Month Label

Created additional measures:

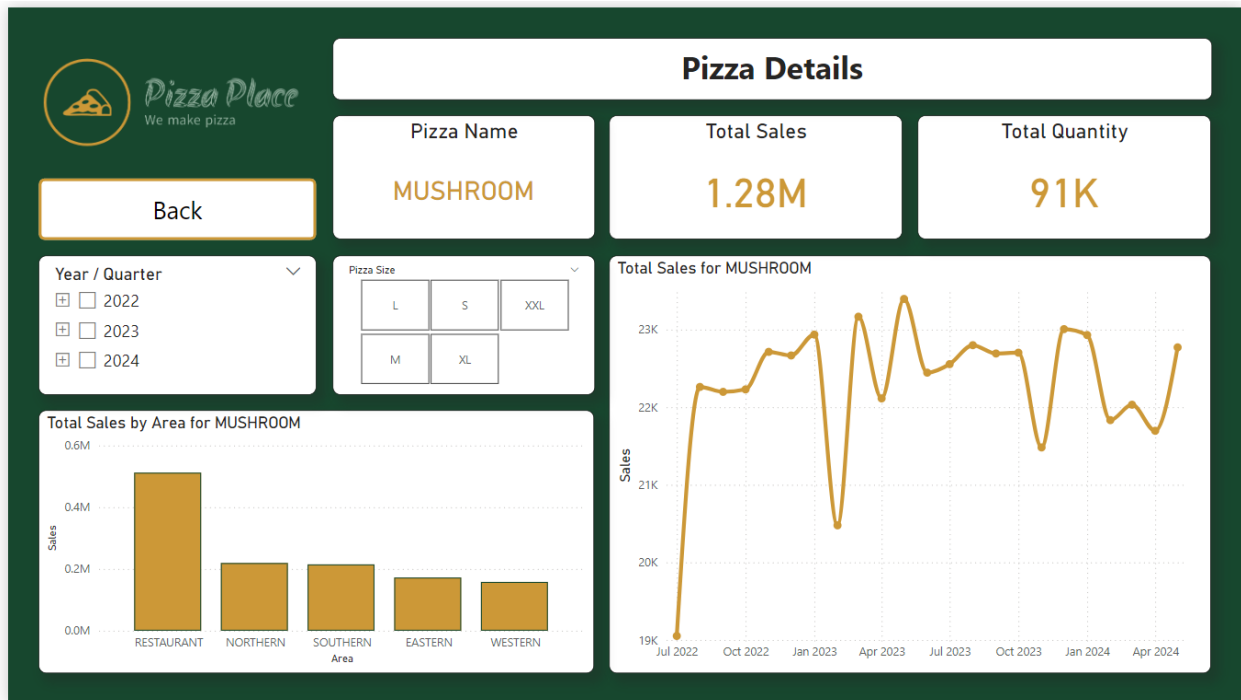


6. Implement visualization titles that dynamically change based on one of the filters selected by the user.

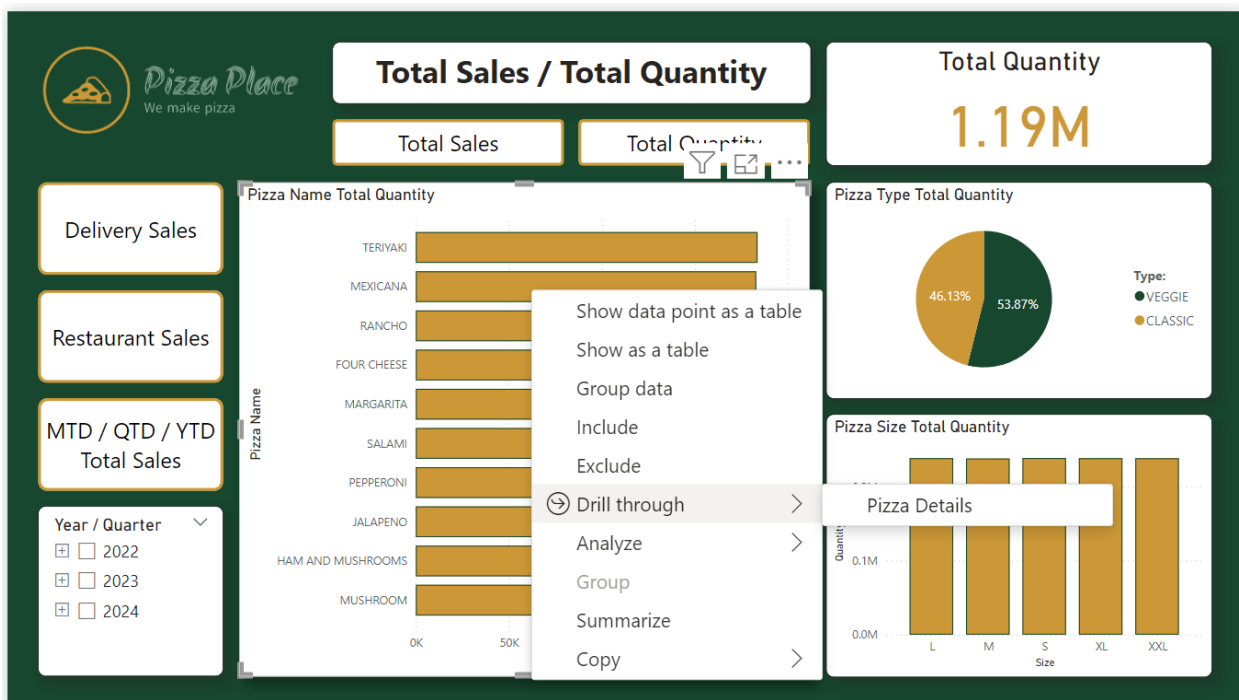
Titles on drillthrough page Pizza Details are dynamically changing based on selected pizza name:

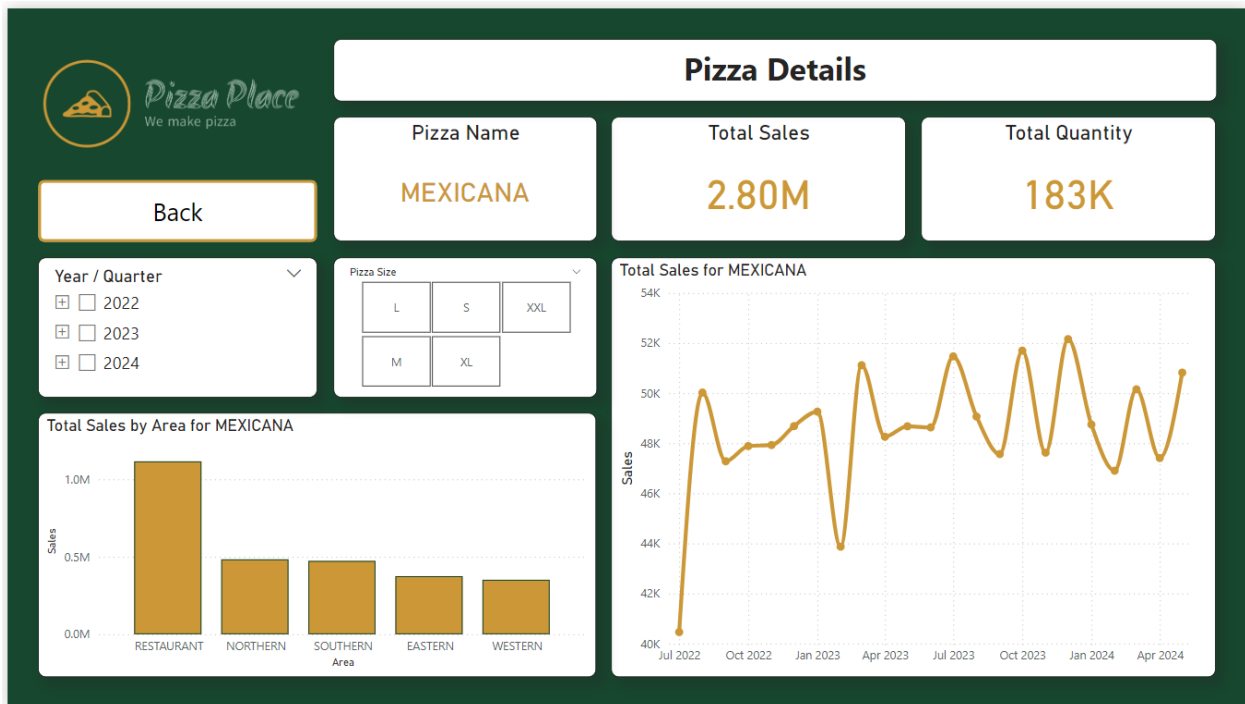
Selected Pizza = "Total Sales for "&SELECTEDVALUE('bl_dm dim_pizzas'[pizza_name], "All Pizzas")

Selected Pizza Area = "Total Sales by Area for "&SELECTEDVALUE('bl_dm dim_pizzas'[pizza_name], "All Pizzas")



- Enable the drillthrough option to allow users to navigate from one visual to a detailed view or related data.





8. Apply conditional formatting to a visual to highlight specific data points based on predefined rules or thresholds.

I applied 2 types (Data Bars and Background Color) of conditional formatting to tables in Restaurant / Delivery Sales and Tooltips:

Pizza Name	Sales
MEXICANA	1115687.08
TERIYAKI	1112331.28
RANCHO	1035517.73
HAM AND MUSHROOMS	525021.26
FOUR CHEESE	518867.46
MUSHROOM	512153.06
MARGARITA	499825.58
JALAPENO	493170.22
Total	6766070.56

Pizza Name	Quantity
TERIYAKI	183773
MEXICANA	183091
RANCHO	182978
FOUR CHEESE	91908
MARGARITA	91877
SALAMI	91765
PEPPERONI	91740
JALAPENO	91459
HAM AND MUSHROOMS	91255
MUSHROOM	91100
Total	1190946

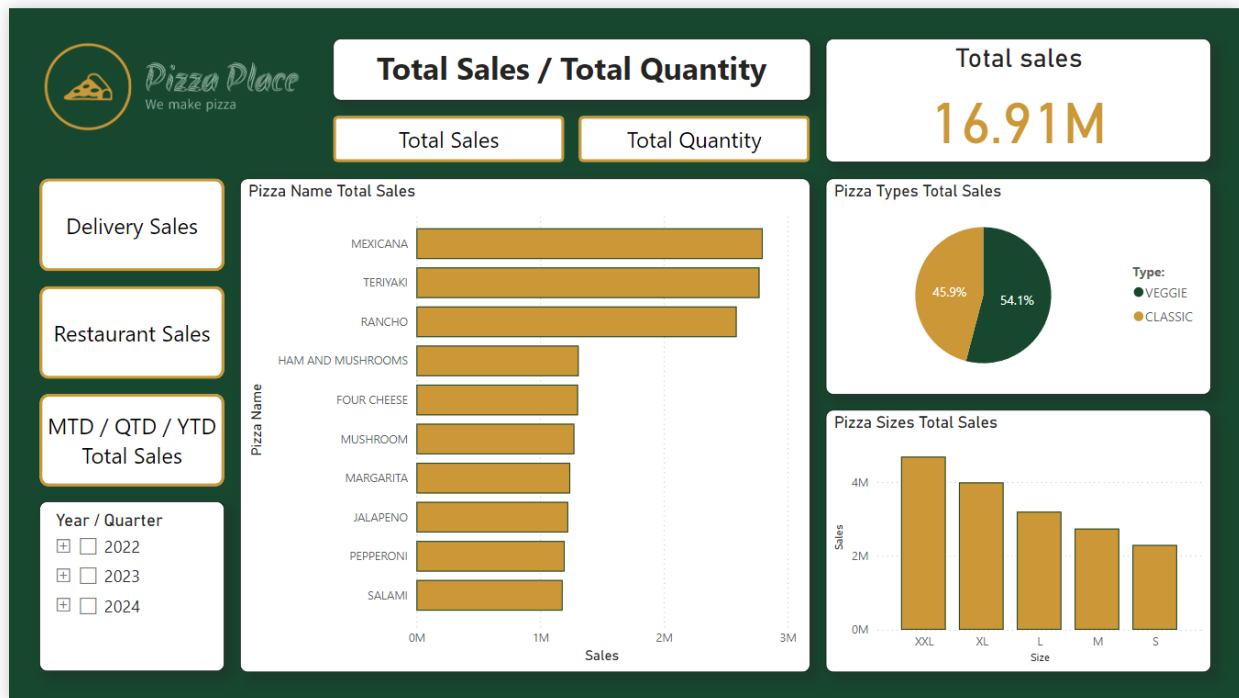
9. The report should be intuitive to the user.

Done!

Additional Information

Additional Information about the report:

1. Navigation in this report is made with buttons from home / main page (Total Sales / Total Quantity) to other pages and back with the help of “Back” button on every page.
2. Main page (Total Sales / Total Quantity) and MTD / QTD / YTD Total Sales page have several bookmarks (versions), which can be switched using buttons under the title of the page:





Pizza Place
We make pizza

Total Sales / Total Quantity

Total Sales

Total Quantity

Total Quantity

1.19M

Delivery Sales

Restaurant Sales

MTD / QTD / YTD
Total Sales

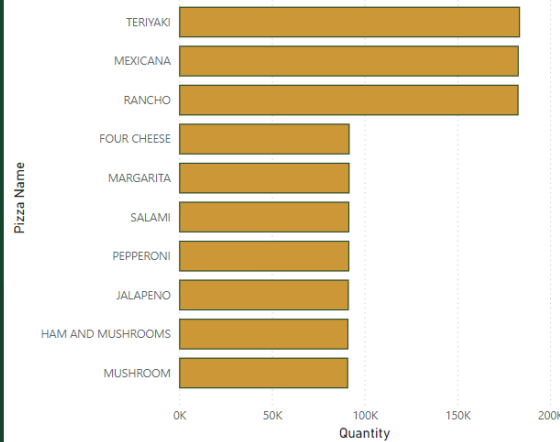
Year / Quarter

☐ 2022

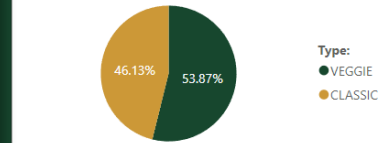
☐ 2023

☐ 2024

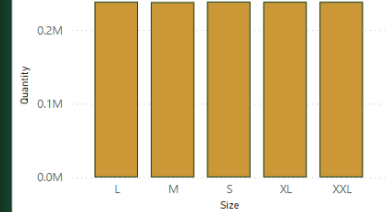
Pizza Name Total Quantity



Pizza Type Total Quantity



Pizza Size Total Quantity



Pizza Place
We make pizza

MTD / QTD / YTD Total Sales

MTD Sales

QTD Sales

YTD Sales

Back

Year / Quarter

☐ 2022

☐ Qtr 3

☐ Qtr 4

☐ 2023

☐ Qtr 1

☐ Qtr 2

☐ Qtr 3

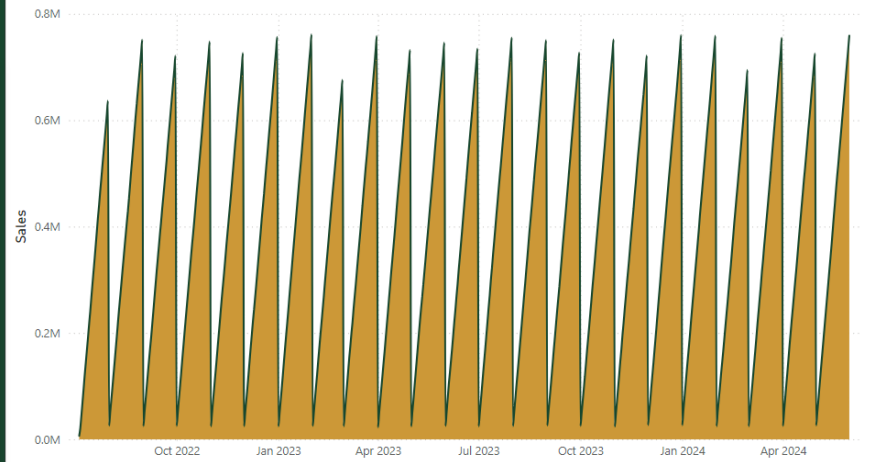
☐ Qtr 4

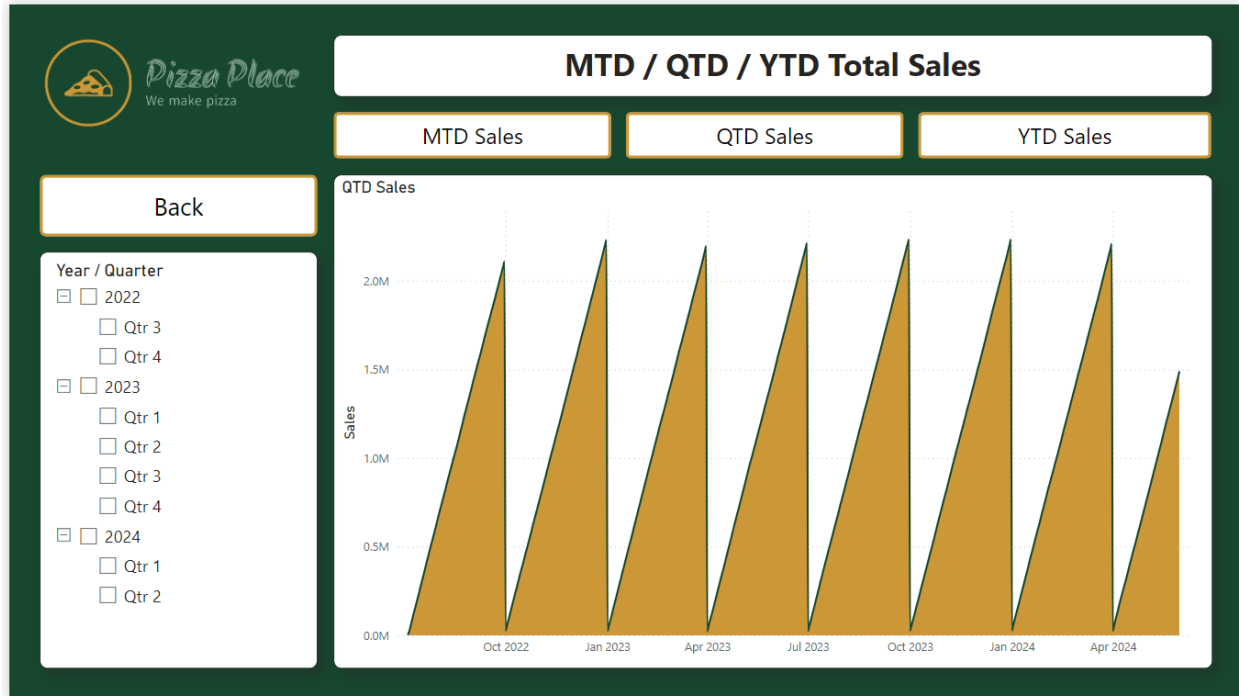
☐ 2024

☐ Qtr 1

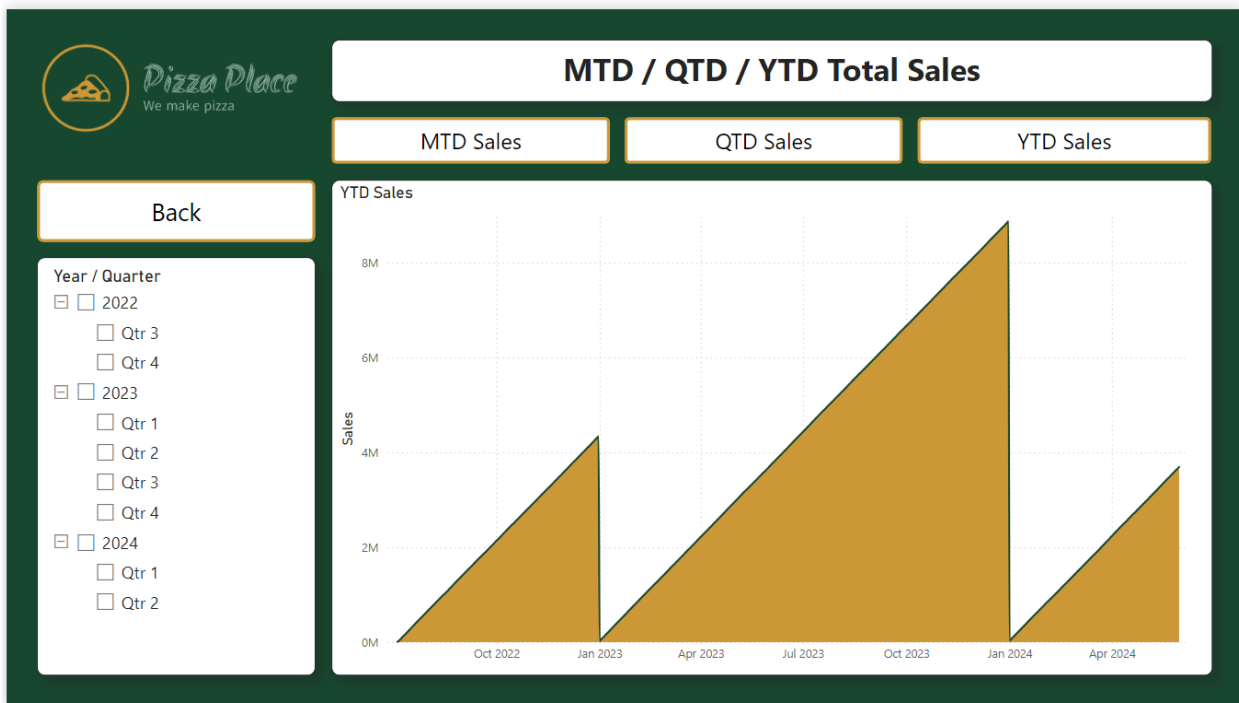
☐ Qtr 2

MTD Sales





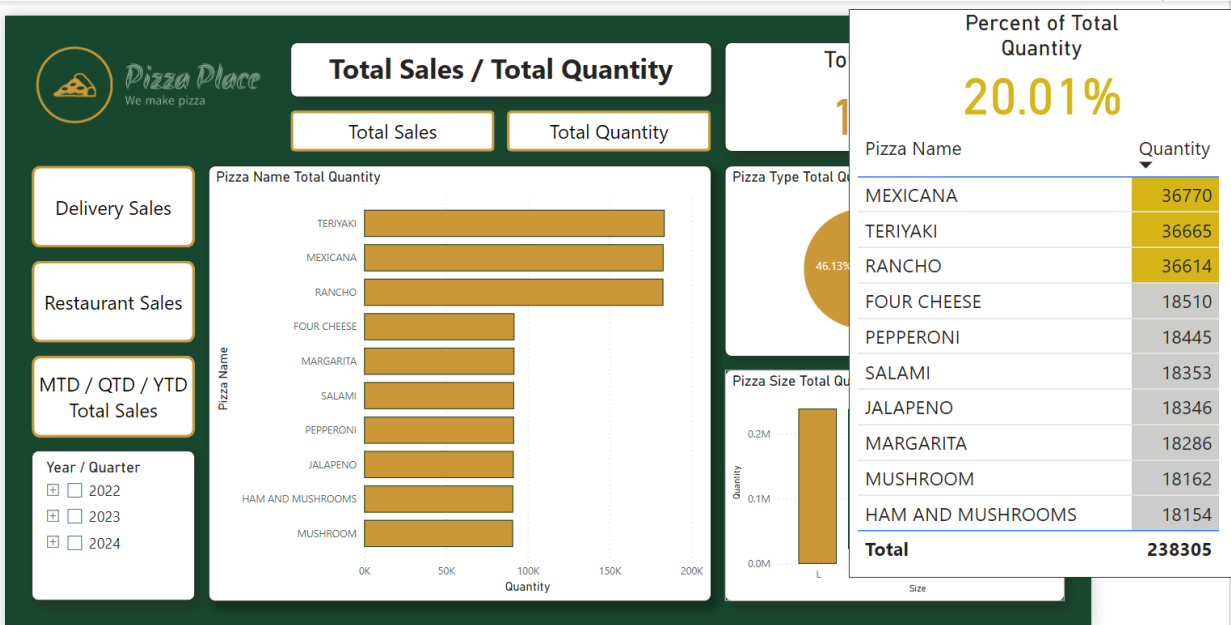
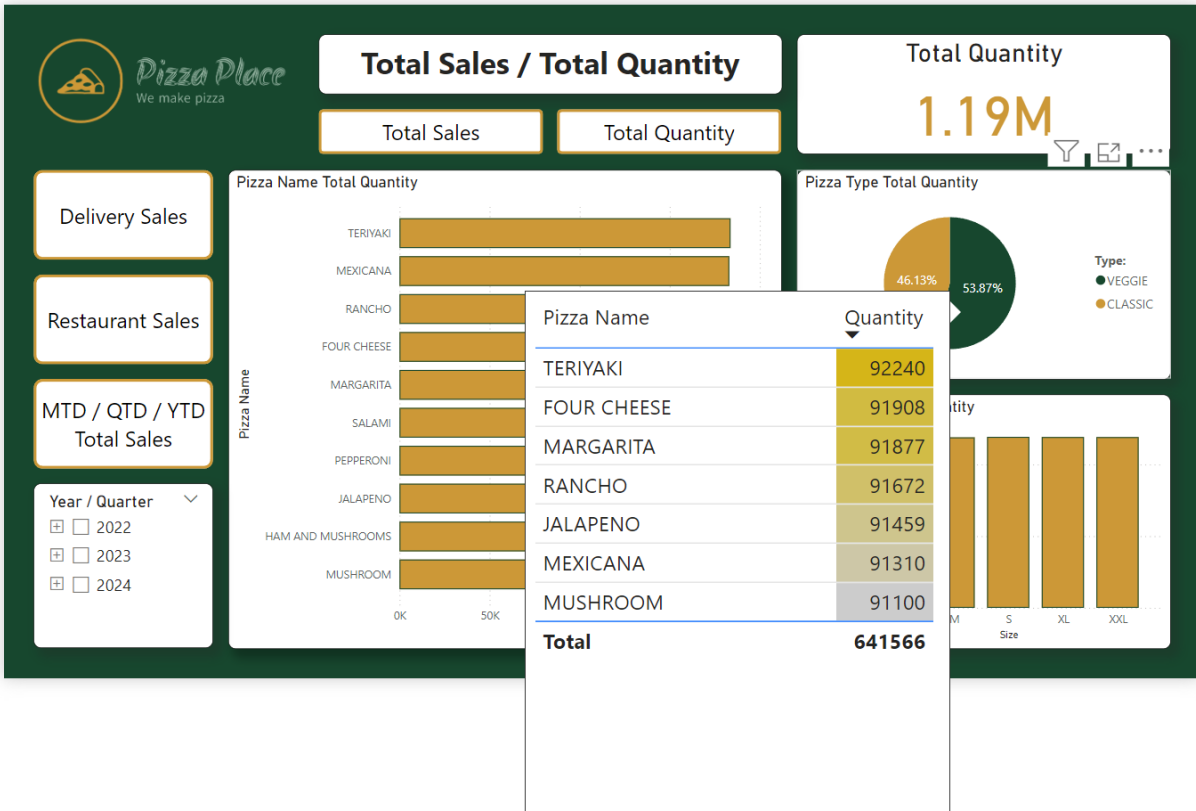
QTD Sales

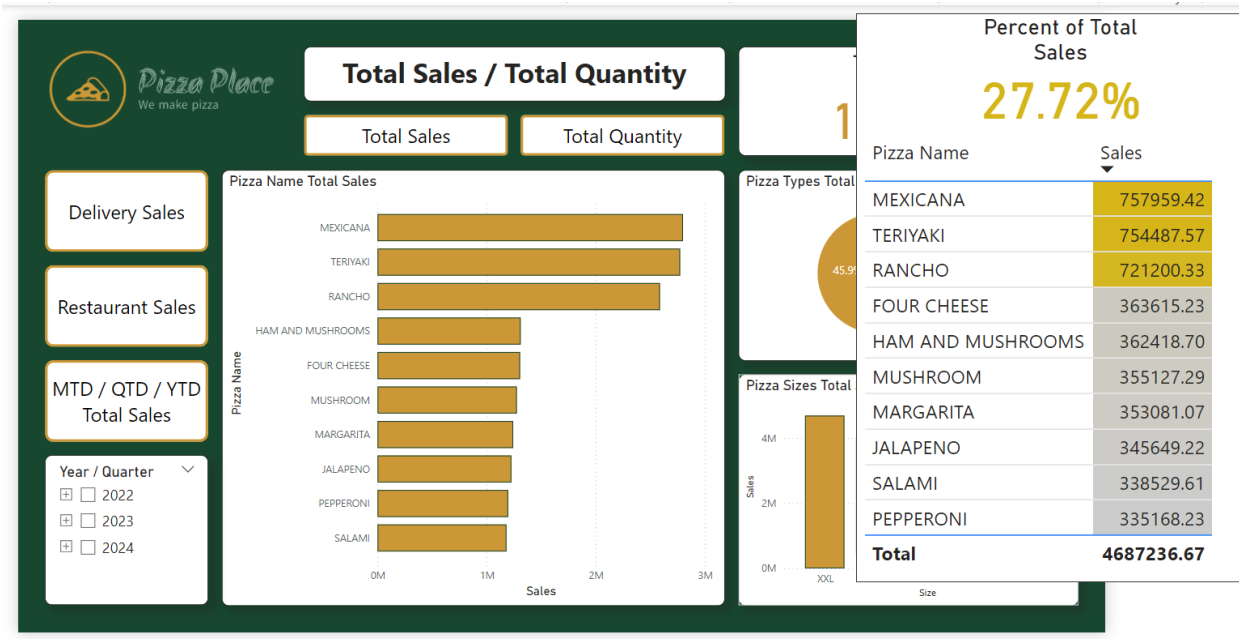
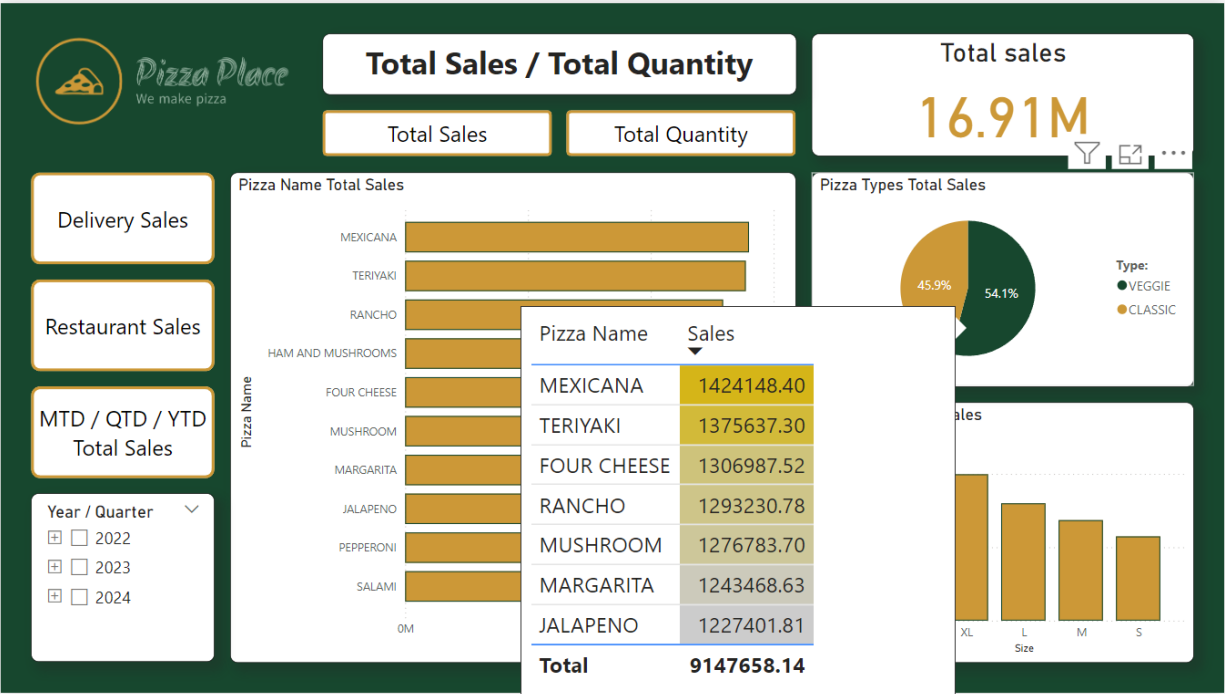



YTD Sales



3. Tooltips are created for Pizza Type and Pizza Size visualizations of the main page (Total Sales / Total Quantity) to get more information about types and sizes in the moment if required:





4. Slicers of Year / Quarter are synced throughout the report.
5. Filter for all pages implemented:

Filters on all pages ...

Year-Month La...

is not -1-N.A., 2021-...

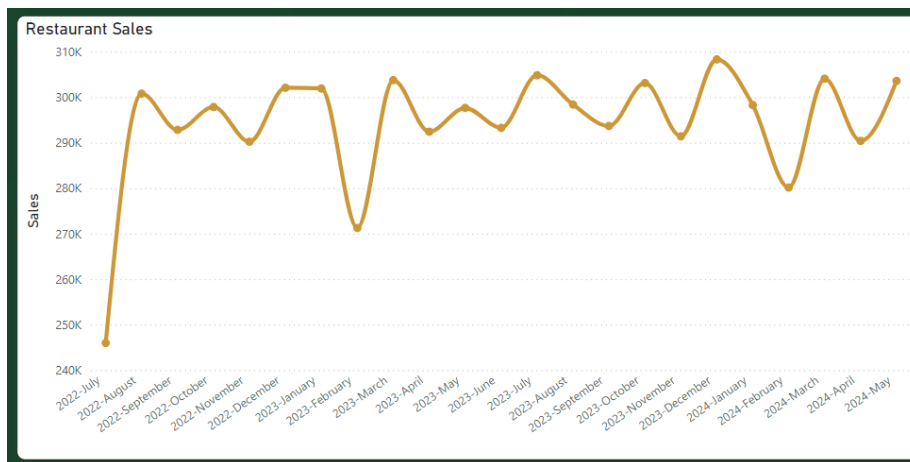
Add data fields here

We need this filter to cut out not needed dates and accumulation by these for the report.

For example new month (2024 - June) is only starting, and we do not have yet final measures for it, so we filter it out now, not to raise additional questions and misunderstandings in the report and make visualizations more readable and easier to analyze.

For example in graphs like restaurant sales.

With filter:



Without filter:

