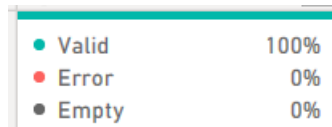


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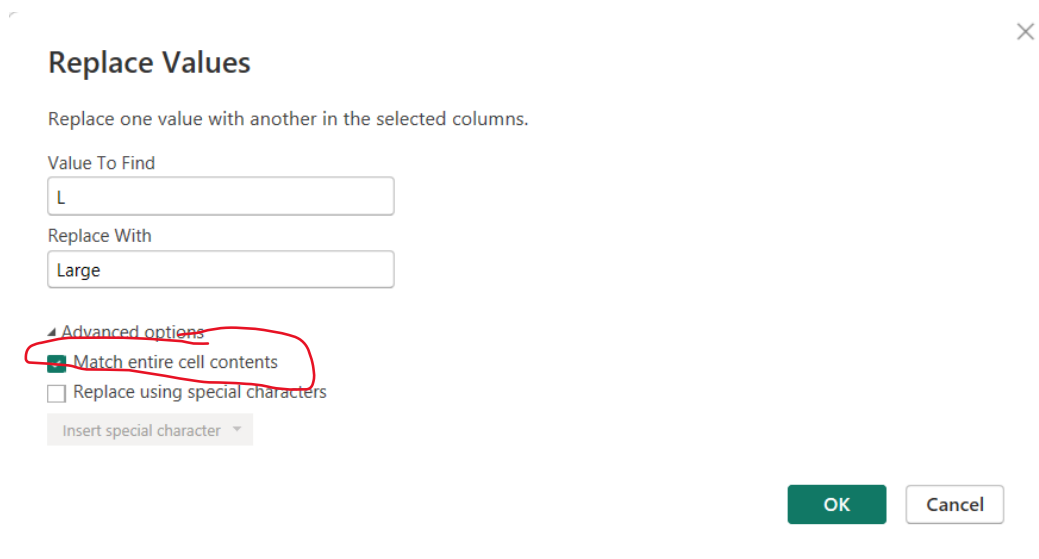
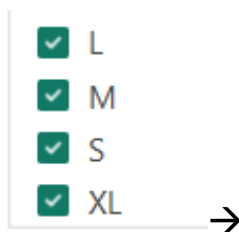
2 Data Cleaning in Power BI



Valid	100%
Error	0%
Empty	0%

When we look at Column Quality in Power Query, all of the columns have no errors or empty values.

2.1 Pizza Size: Replacing Values



Replace Values

Replace one value with another in the selected columns.

Value To Find
L

Replace With
Large

Advanced options

- ☒ Match entire cell contents
- ☐ Replace using special characters

Insert special character

OK Cancel

Here, it's very important to tick the box in the imag!

3 KPIs

3.1 Creating Dax Measures for KPIs

```
1 Total Revenue =  
2 SUM(  
3 |   pizza_sales[total_price]  
4 )
```

```
1 Total Pizza Sold =  
2 SUM(  
3 |   pizza_sales[quantity]  
4 )
```

```
1 Total Orders =  
2 DISTINCTCOUNT(  
3 |   pizza_sales[order_id]  
4 )
```

```
1 Avr Order Value =  
2 [Total Revenue] / [Total Orders]
```

```
1 Avg Quantity per Order =  
2 [Total Pizza Sold] / [Total Orders]
```

5 measures was created for further visualization of KPIs.

3.2 Visualization of KPIs



4 Pizza Orders by Day: Weekday Breakdown

4.1 Extracting Weekdays from Order Dates

Date Only		
Parse	16.5	Medium
Year	12.75	S
Month	12	S
Quarter	12.5	S
Week	12.5	S
Day		
Subtract Days		
Combine Date and Time		
Earliest		
Latest		
	20.75	

Day

Day of Week

Day of Year

Start of Day

End of Day

Name of Day

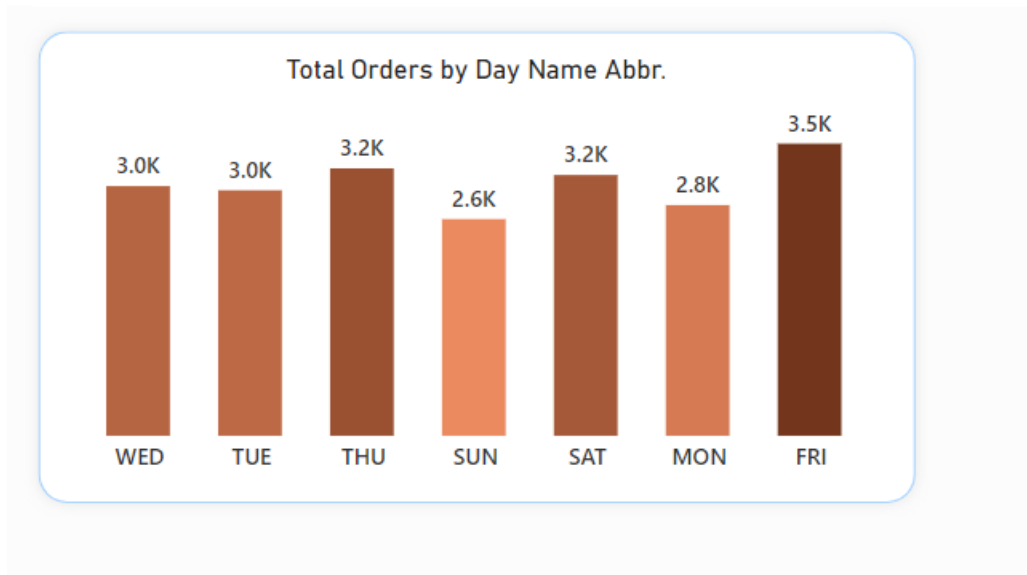
This is done in Power Query

4.2 Creating Calculated Column for Initial 3 letters of Day Names

```
1 Day Name Abbr. =  
2 UPPER(  
3     LEFT(  
4         [Day Name],  
5         3  
6     )  
7 )
```

This column was created for further visualization

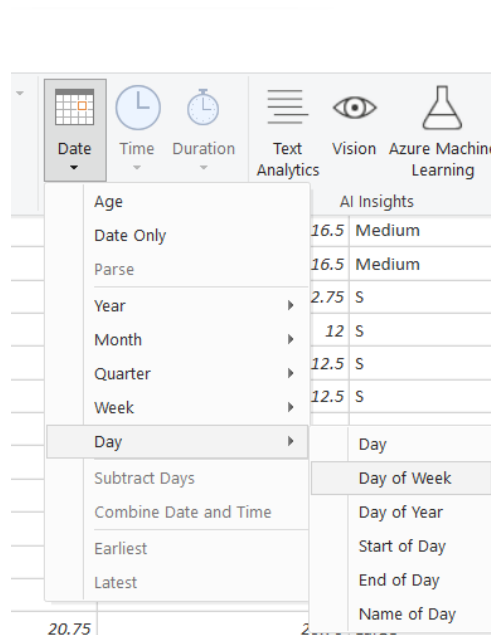
4.3 Creating Bar Chart



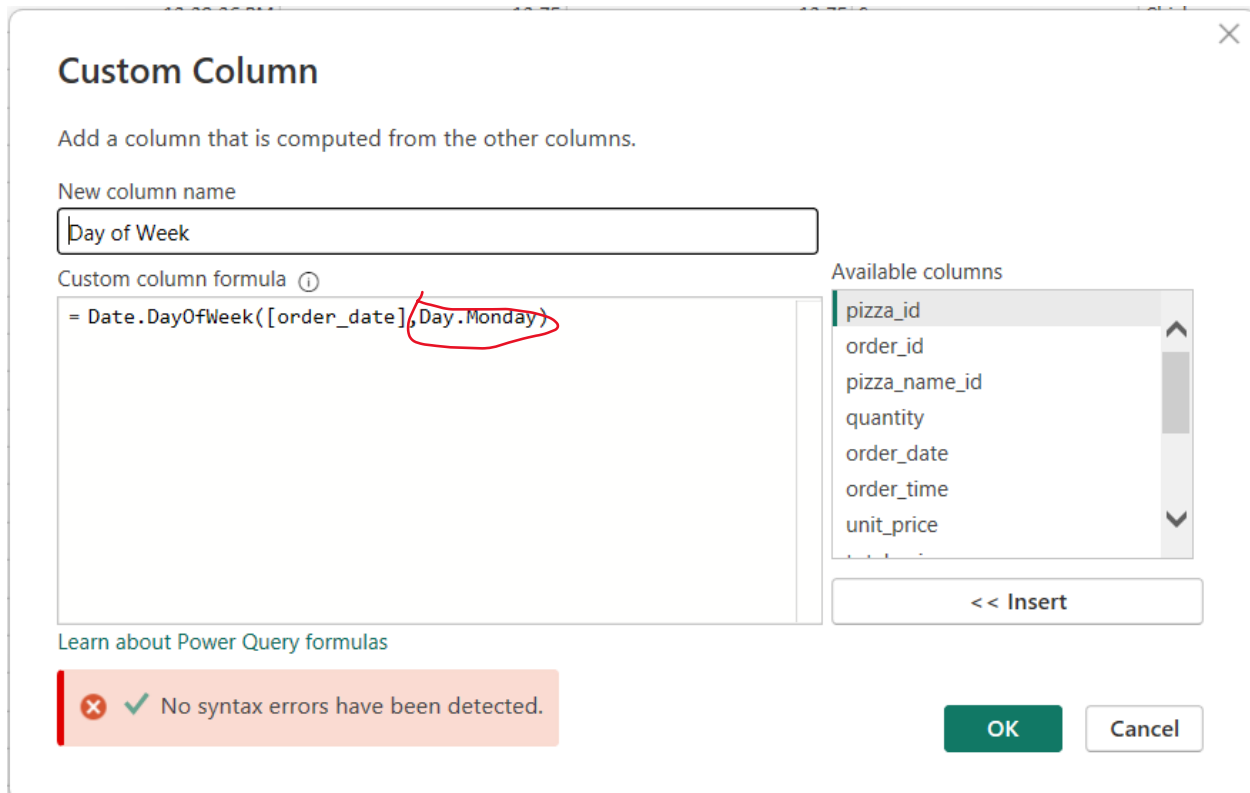
However, I want to show them from Monday to Sunday.

4.4 Ordering X axis titles from Monday to Sunday

Firstly, I need to extract day numbers in Power Query. It goes like 1 for Monday, 2 for Tuesday etc. In order to this I chose the order data column and add column of **day of week**.



Subsequently, I modified the default configuration for the days of the week, adjusting it to commence from 1, which corresponds to Monday as you can see image below.



Custom Column

Add a column that is computed from the other columns.

New column name
Day of Week

Custom column formula ⓘ
= Date.DayOfWeek([order_date], Day.Monday)

Available columns
pizza_id
order_id
pizza_name_id
quantity
order_date
order_time
unit_price

<< Insert

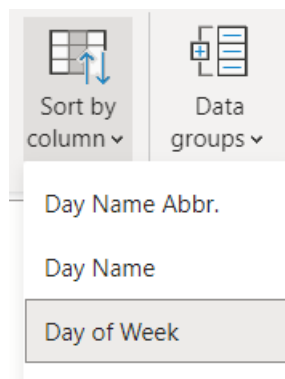
[Learn about Power Query formulas](#)

✖ ✔ No syntax errors have been detected.

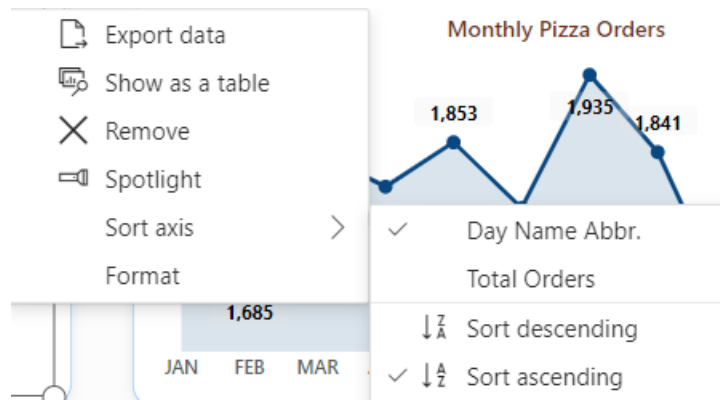
OK Cancel

I added Day.Monday

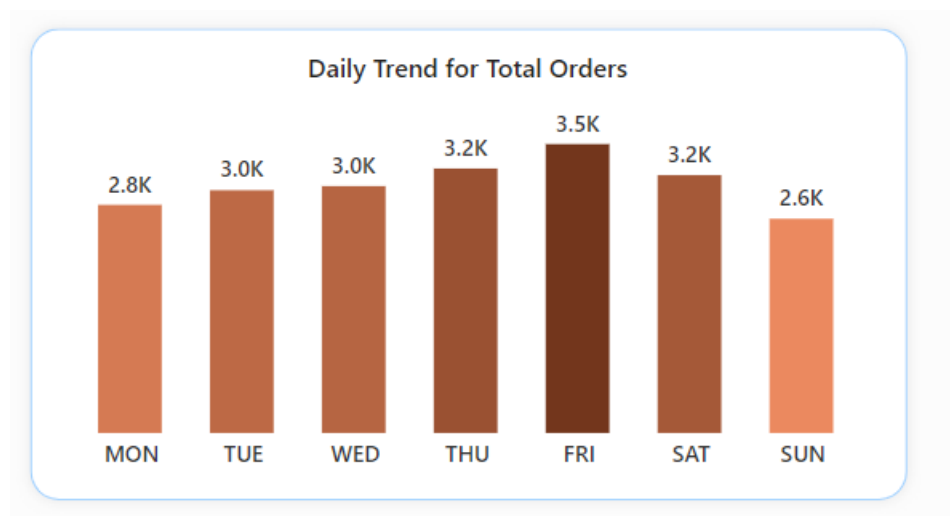
Then, I chose day name abbr. column and sorted it according to Day of Week Column.



In the bar chart, the import thing is to choose sort axis as sort ascending and day name abbreviations column as follows:



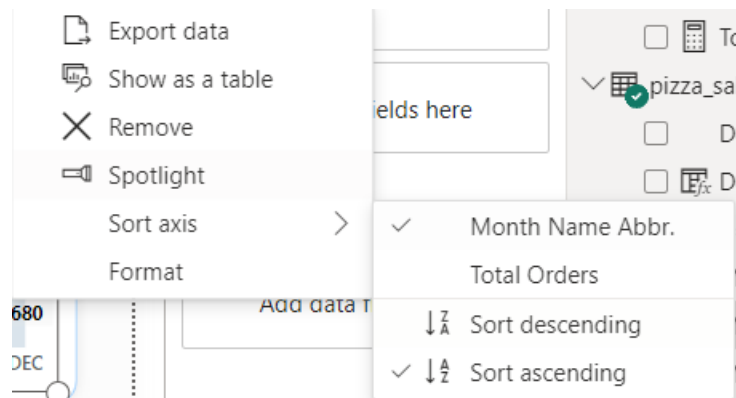
And, I managed to sort it according to days of week as it can be seen in image:



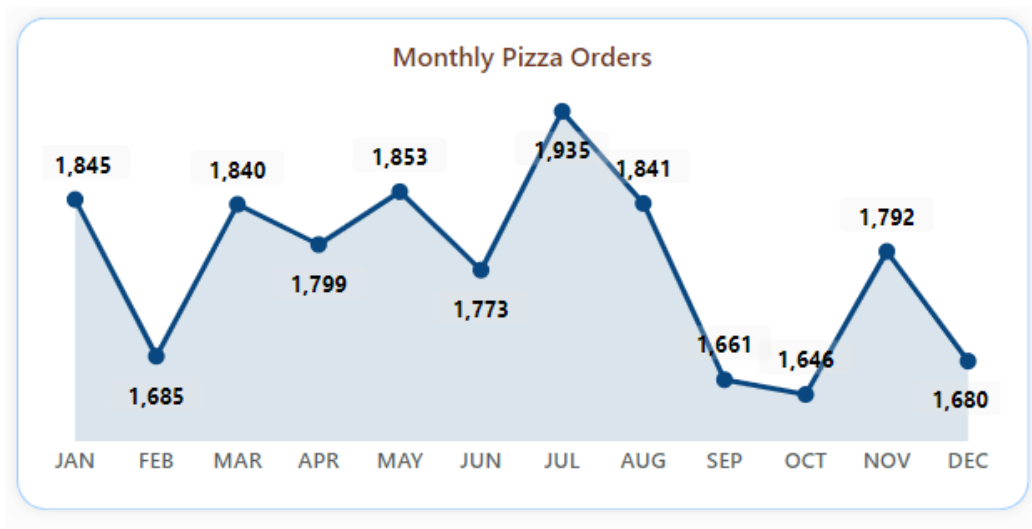
5 Monthly Pizza Orders

Firstly, In Power Query, Month Number and Month Name columns were extracted from Order Date column. Also, I created column for showing first 3 upper letters of month names in order to use in graph as similar process to the previous section.

Then month name abbreviation column was sorted by month numbers as previous section.



You can see the final chart below:



6 Pizza Category Sales Distribution

Donut Chart was used to show this distribution. Legend and values are as follows:

Build a visual ▼

Visual types

☐ Off Suggest a type

Legend

pizza_category × | >

+Add data

Values

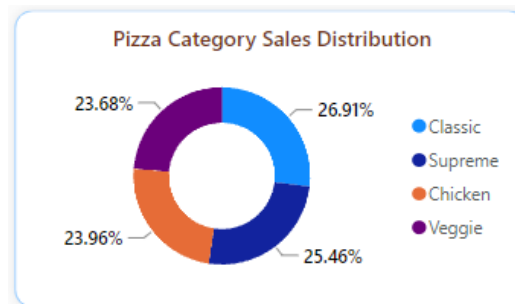
Total Revenue × | >

+Add data

Details

+Add data

Tooltips



7 Pizza Sales Distribution

Donut Chart was used. The process is similar to previous section.

Legend

pizza_size × | >

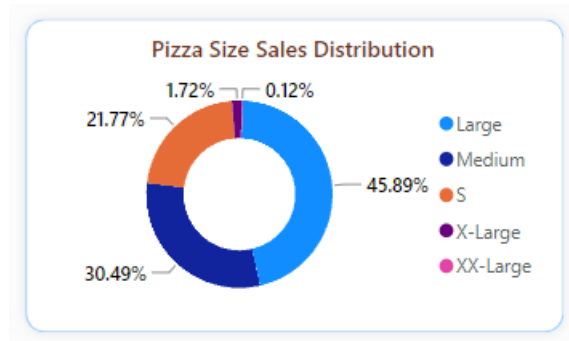
+Add data

Values

Total Revenue × | >

+Add data

Details



8 Total Pizza Sold by Category

Funnel Chart was used. Category and values are as follows:

Category

pizza_category X | >

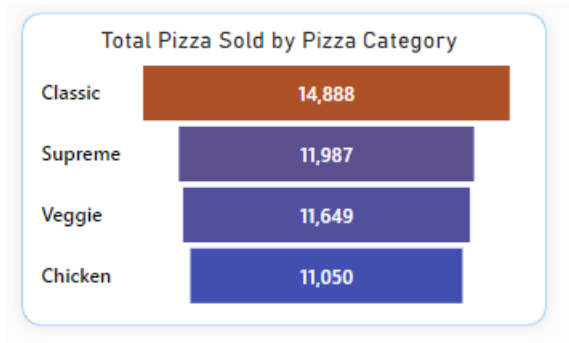
+ Add data

Values

Total Pizza Sold X | >

Tooltips

Conversion rate labels was closed.



9 Date & Pizza Category Slicers

Pizza Category

All

1/1/2015 12/31/2015

10 Top/Bottom 5 Pizza Names by Revenue/Quantity/Orders

Clustered bar chart was used. Top N filtering was used by value of total revenue. For bottom 5 Pizza Names, Bottom N filtering was used, the rest of is same with Top 5 Pizza names. You can see the details in images below.

Y-axis

pizza_name X | >

+Add data

X-axis

Total Revenue X | >

+Add data

Legend

pizza_name
top 5 by Total Revenue

Filter type ⓘ

Top N ▼

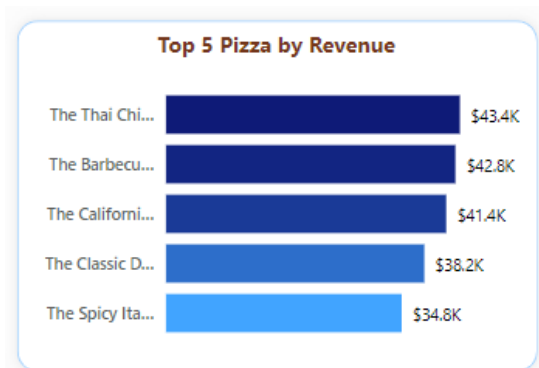
Show items

Top ▼ 5

By value

Total Revenue X

Apply filter



pizza_name
bottom 5 by Total Rev...

Filter type ⓘ

Top N ▼

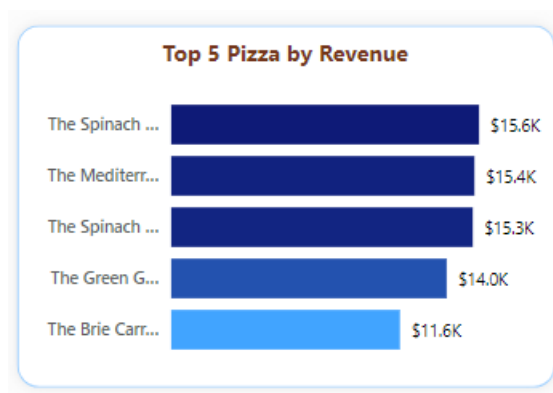
Show items

Bottom ▼ 5

By value

Total Revenue ×

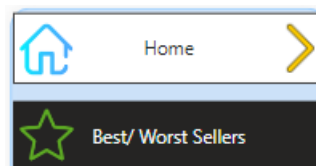
Apply filter



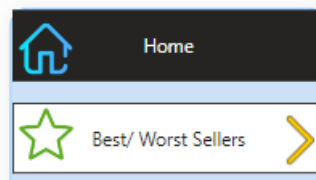
Top/Bottom 5 Pizza Names by Quantiyt/Orders bar charts were create as smilar process above.



11 Page Navigators

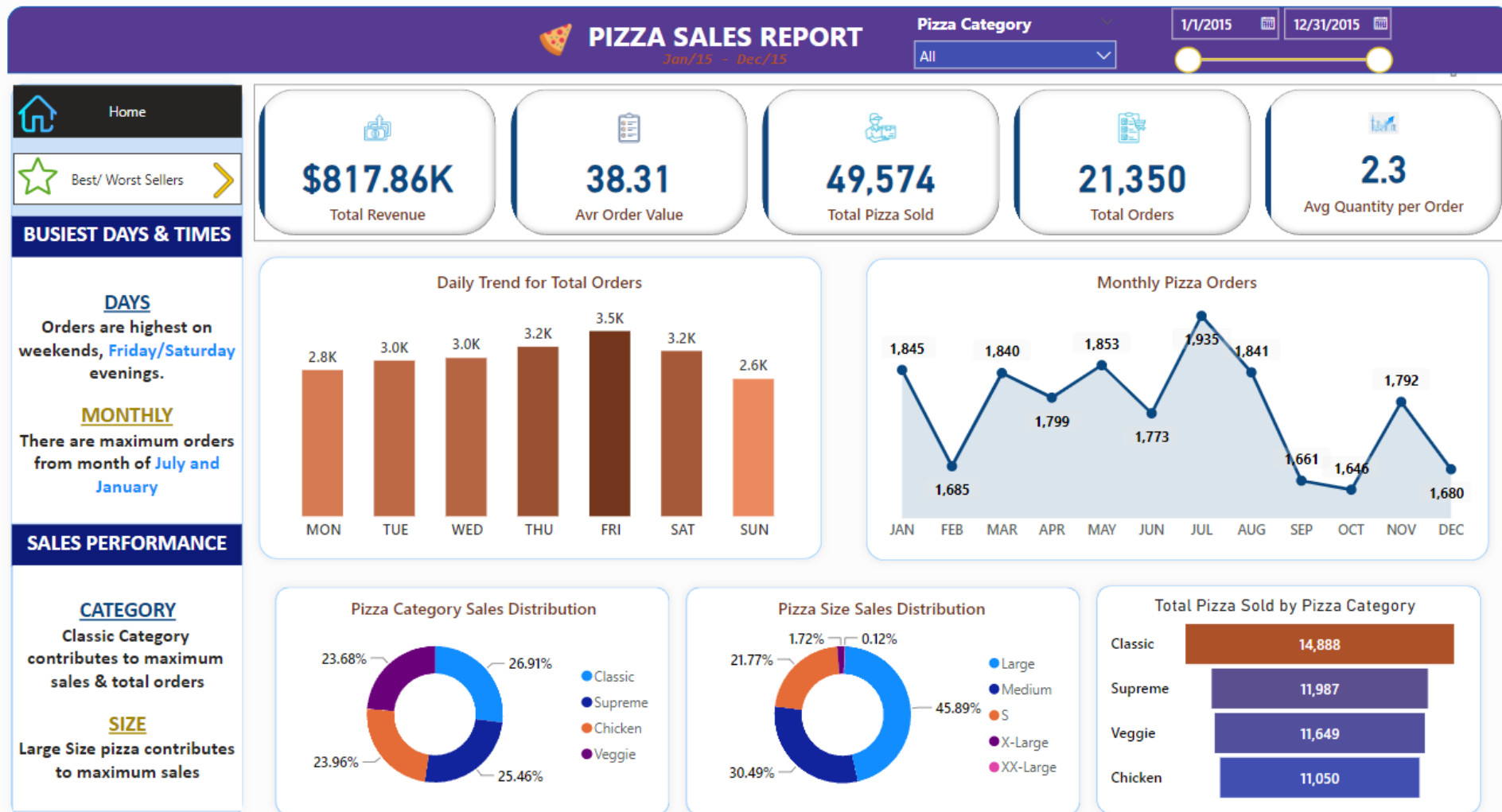


For **Best/Worst** Page



For **Home** Page

12 Final View of Home Page



13 Final View of Best/Worst Sellers Page

