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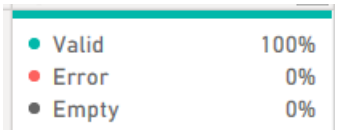
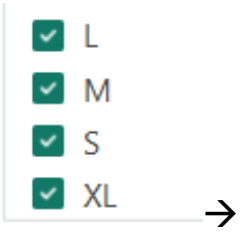
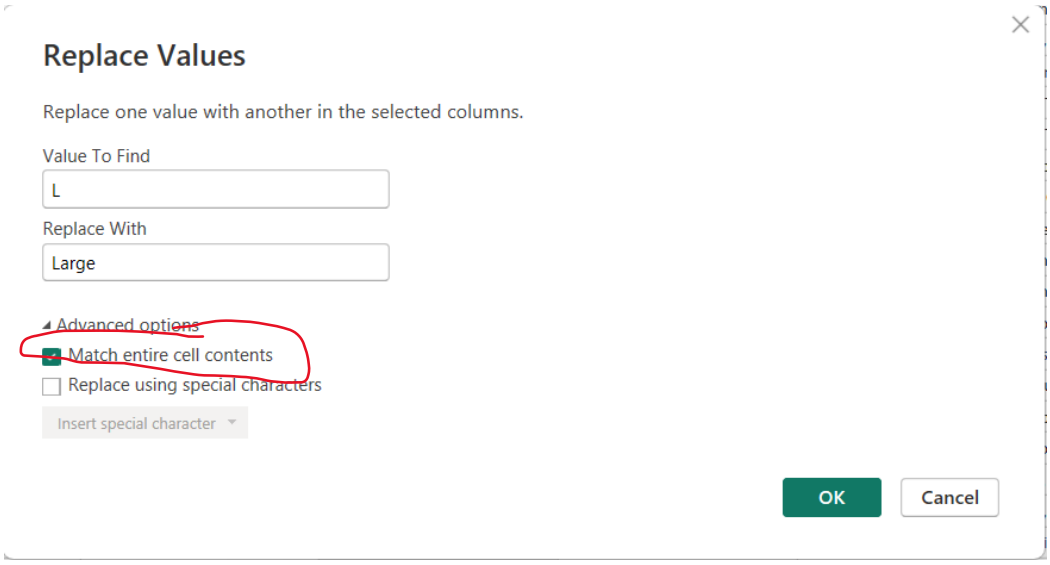
2 Data Cleaning in Power BI



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





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

3 KPIs

3.1 Creating Dax Measures for KPIs

```
Total Revenue =
SUM(
    pizza_sales[total_price]
)
```

```
Total Pizza Sold =
SUM(
    pizza_sales[quantity]
)
```

```
Total Orders =
DISTINCTCOUNT(
    pizza_sales[order_id]
)
```

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

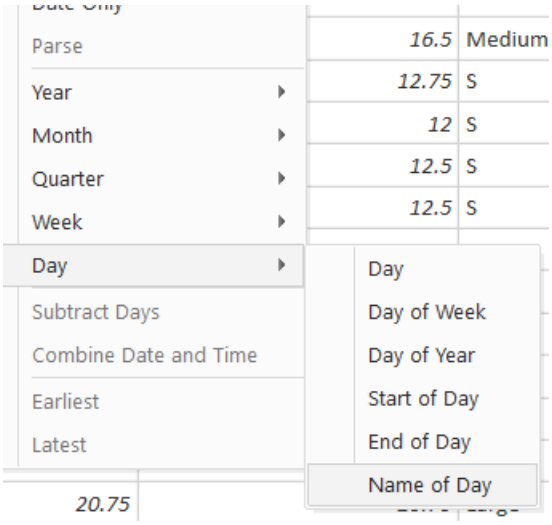
```
Avg Quantity per Order =
[Total Pizza Sold] / [Total Orders]
```

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



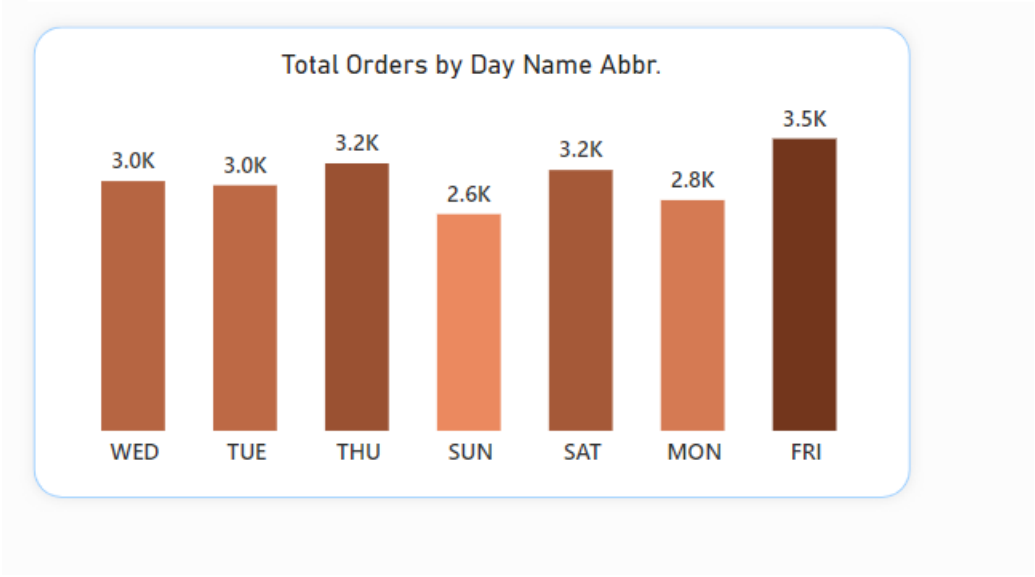
This is done in Power Query

4.2 Creating Calculated Column for Initial 3 letters of Day Names

```
Day Name Abbr. =
UPPER(
    LEFT(
        [Day Name],
        3
    )
)
```

This column was created for further visualization

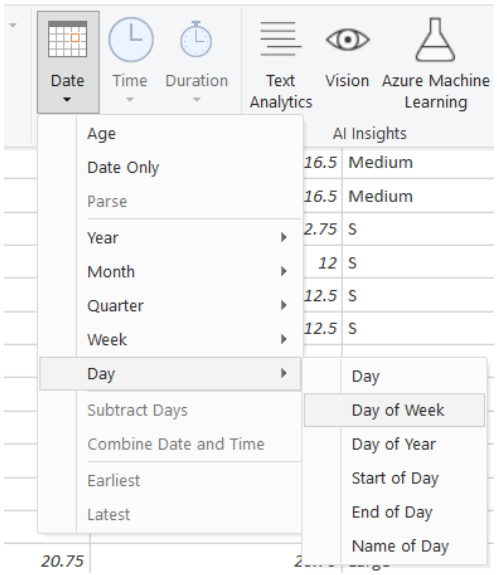
4.3 Creating Bar Chart



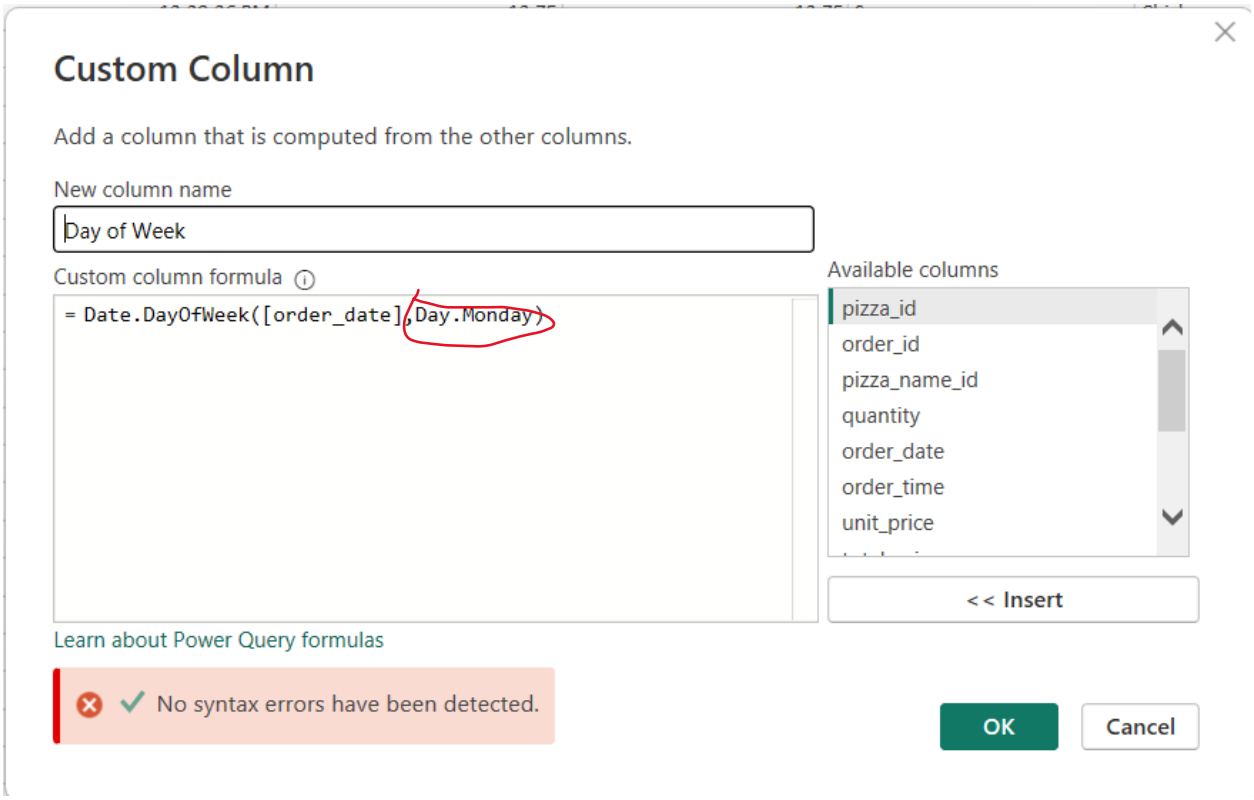
However, I want to show them from Monday to Sunday.

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**.

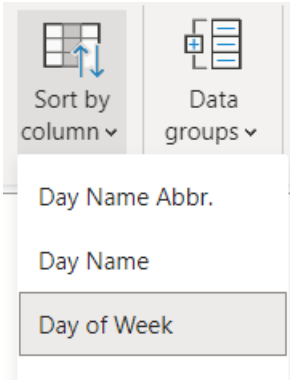


Subsequently, I modified the default configuration for the days of the week, adjusting it to commence from 1, which corresponds to Monday as you can see image below.

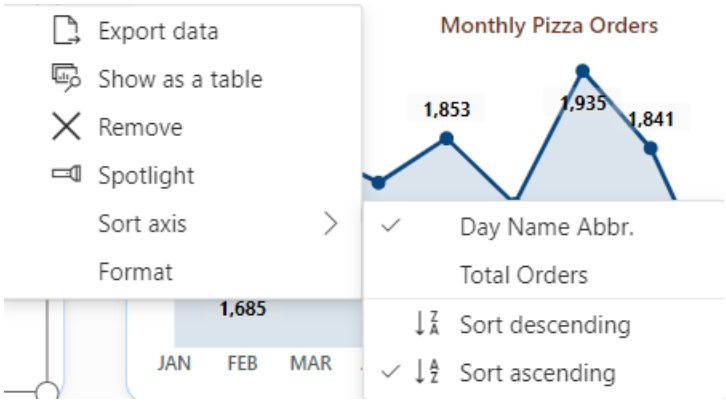


I added Day.Monday

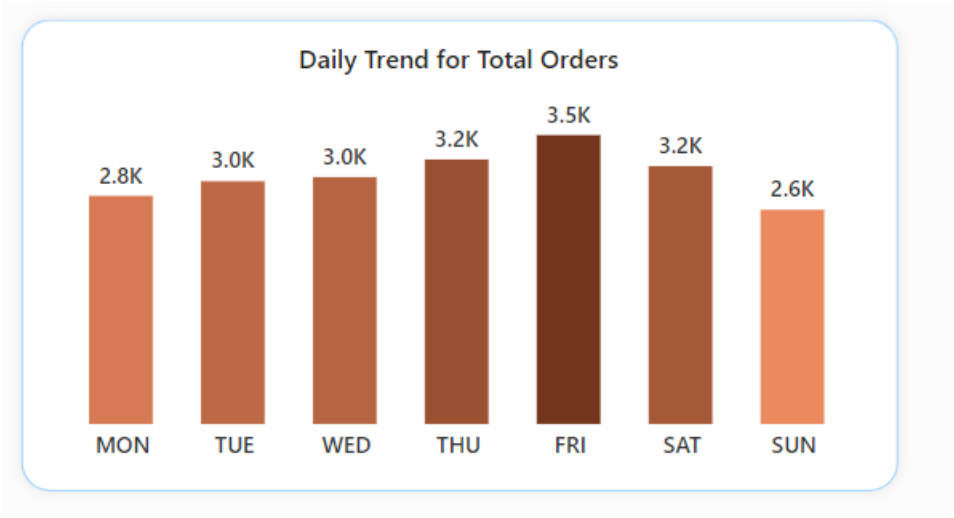
Then, I chose day name abbr. column and sorted it according to Day of Week Column.



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



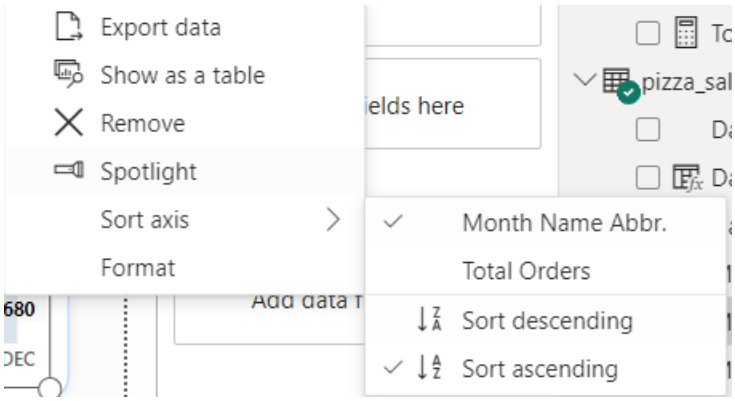
And, I managed to sort it according to days of week as it can be seen in image:



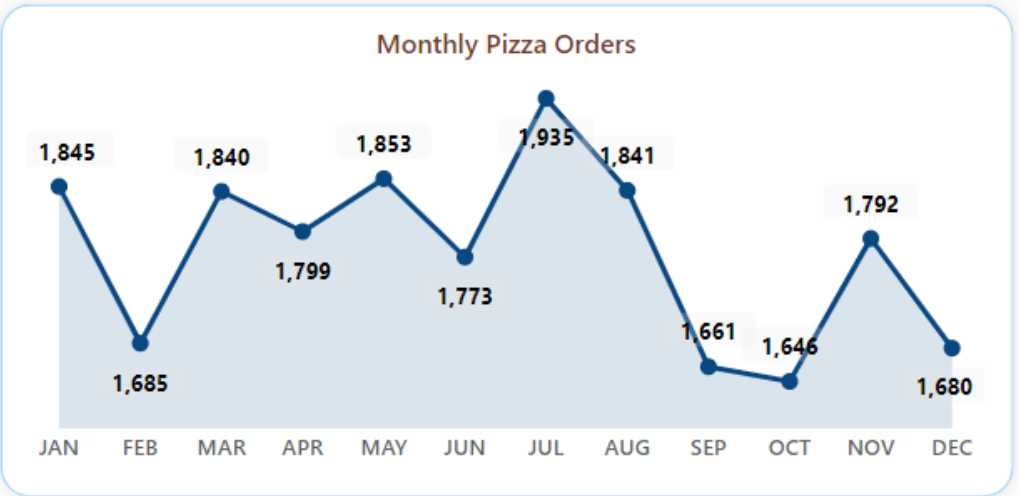
5 Monthly Pizza Orders

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.

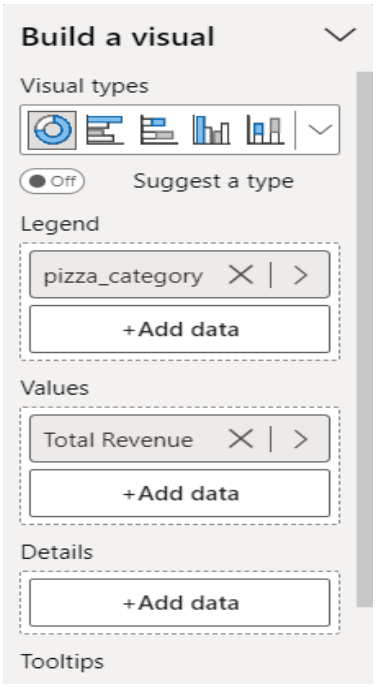


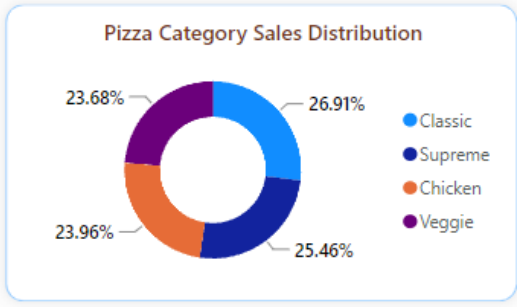
You can see the final chart below:



6 Pizza Category Sales Distribution

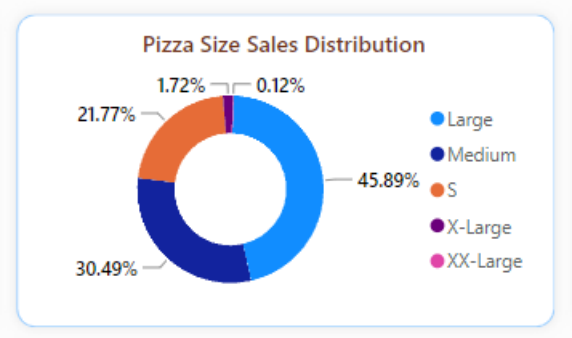
Donut Chart was used to show this distribution. Legend and values are as follows:





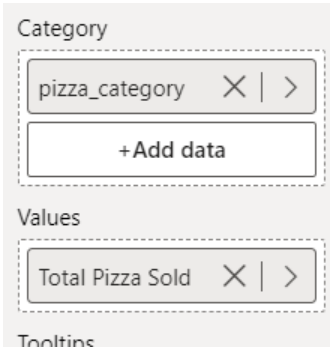
7 Pizza Sales Distribution

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

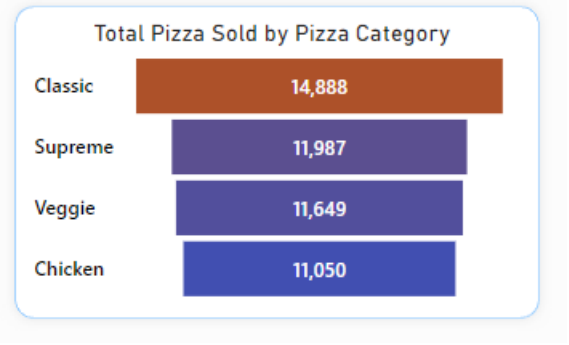


8 Total Pizza Sold by Category

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



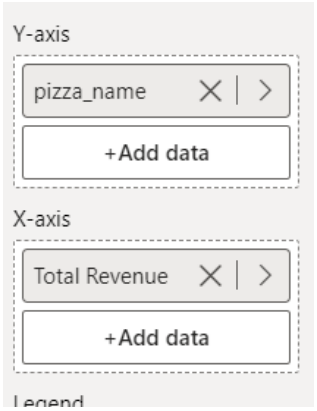
Conversion rate labels was closed.

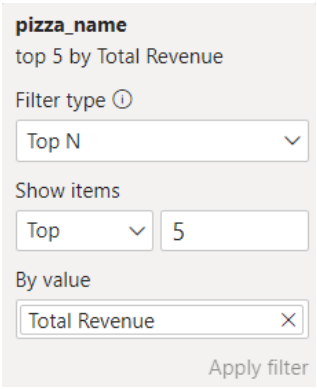


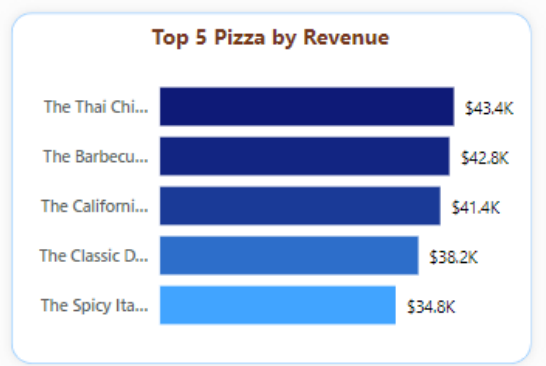
9 Date & Pizza Category Slicers

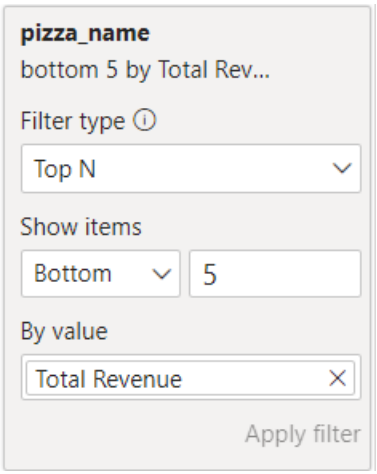
10 Top/Bottom 5 Pizza Names by Revenue/Quantity/Orders

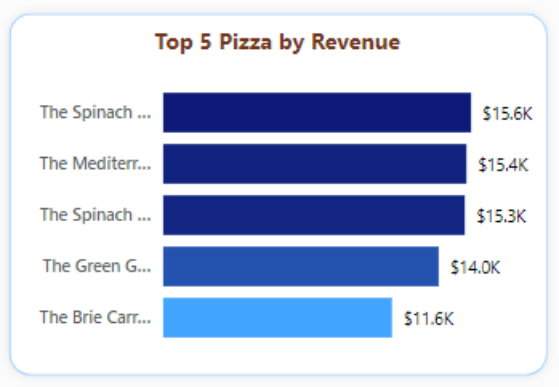
Clustered bar chart was used. Top N filtering was used by value of total revenue. For bottom 5 Pizza Names, Bottom N filtering was used, the rest of is same with Top 5 Pizza names. You can see the details in images below.





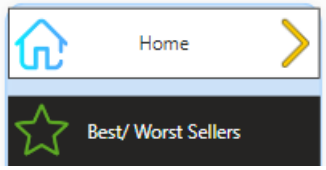




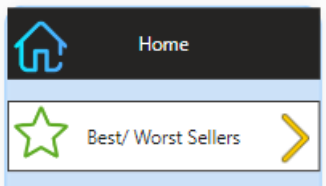


Top/Bottom 5 Pizza Names by Quantiyt/Orders bar charts were create as smilar process above.

11 Page Navigators

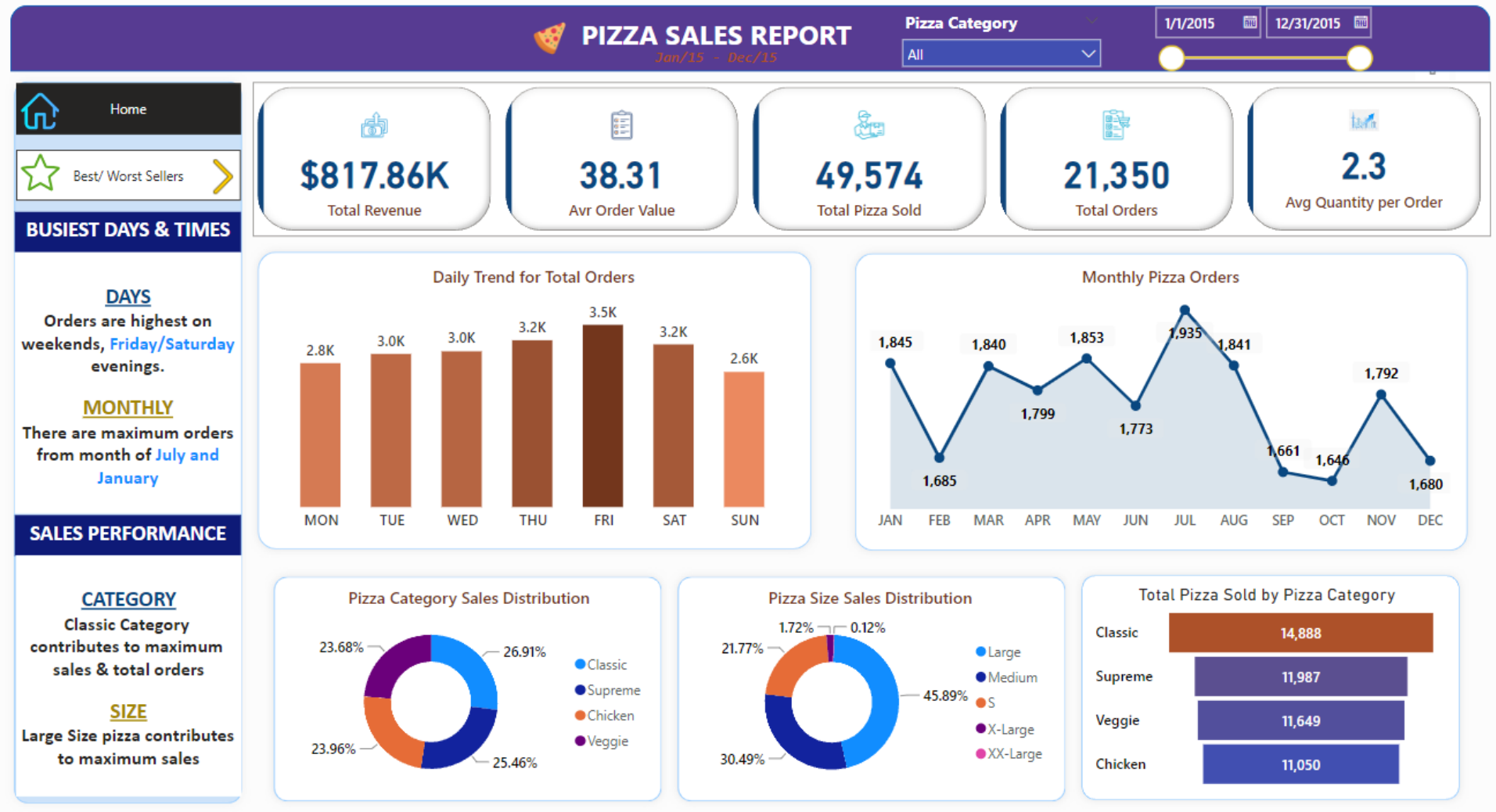


For **Best/Worst** Page



For **Home** Page

12 Final View of Home Page



13 Final View of Best/Worst Sellers Page