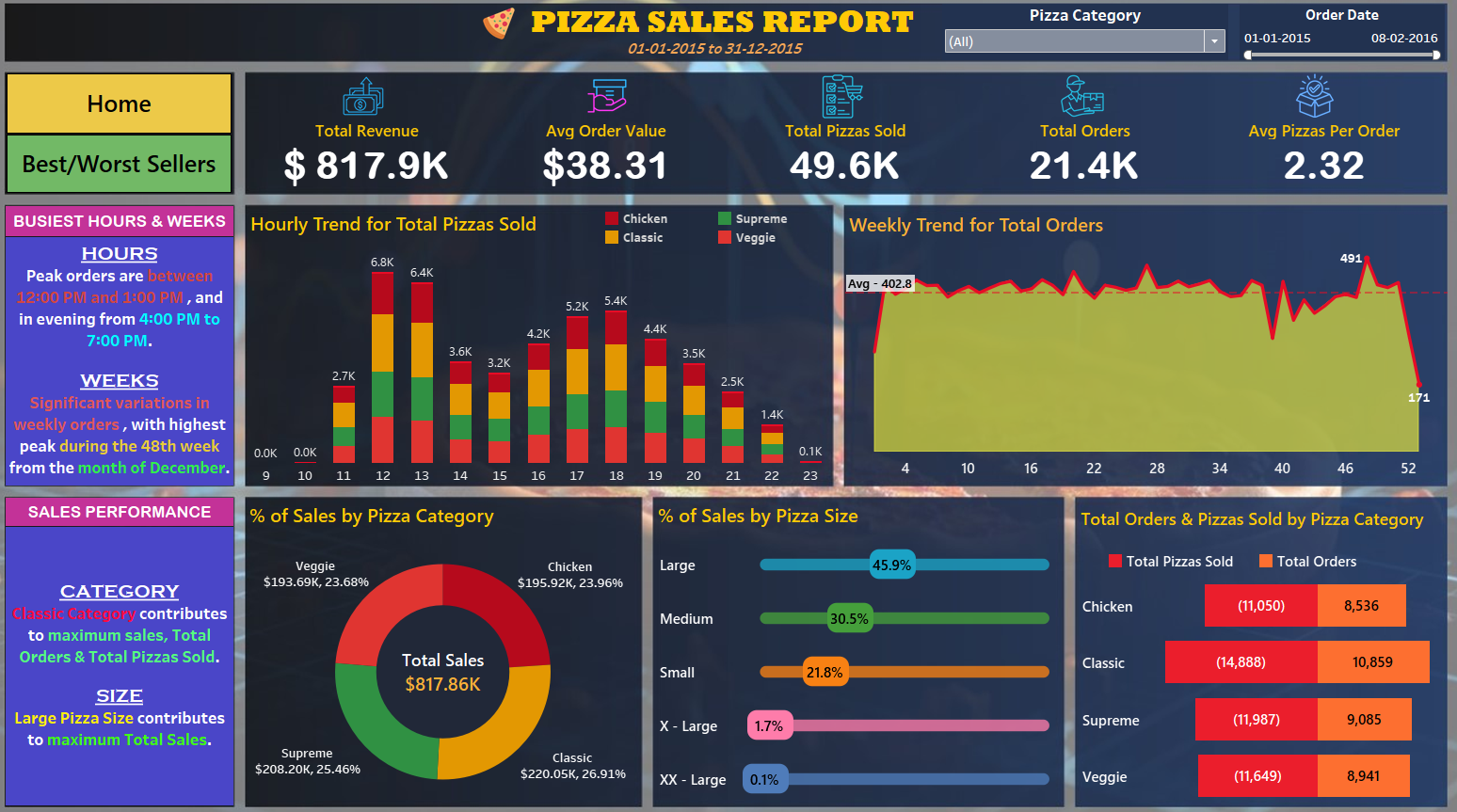
**SQL Queries for Pizza Sales**





# A. KPI’s

**1. Total Revenue**

SELECT ROUND((SUM(total\_price)/1000),1) AS Total\_revenue FROM pizza\_sales;

## Output 1:



**2. Total Pizzas Sold**

## Output 2:

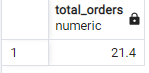
SELECT ROUND((SUM(quantity)/1000.0),1) AS Total\_pizzas\_sold FROM pizza\_sales;



**3. Total Orders**

## Output 3:

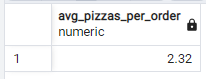
SELECT ROUND((COUNT(DISTINCT(order\_id))/1000.0),1) AS Total\_orders FROM pizza\_sales;



**4. Average Pizzas Per Order**

## Output 4:

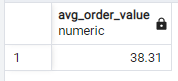
SELECT ROUND((SUM(quantity)\*1.0/COUNT(DISTINCT(order\_id))),2) AS Avg\_Pizzas\_Per\_order FROM pizza\_sales;



**5. Average Order Value**

## Output 5:

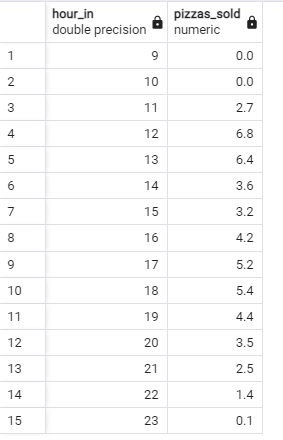
SELECT ROUND((SUM(total\_price)\*1.0/COUNT(DISTINCT(order\_id))),2) AS Avg\_Order\_Value FROM pizza\_sales;



# B. Hourly Trend for Total Pizzas Sold

SELECT date\_part('hour',order\_time) AS Hour\_in, ROUND(SUM(quantity)/1000.0,1) AS pizzas\_sold FROM pizza\_sales GROUP BY date\_part('hour',order\_time) ORDER BY 1;

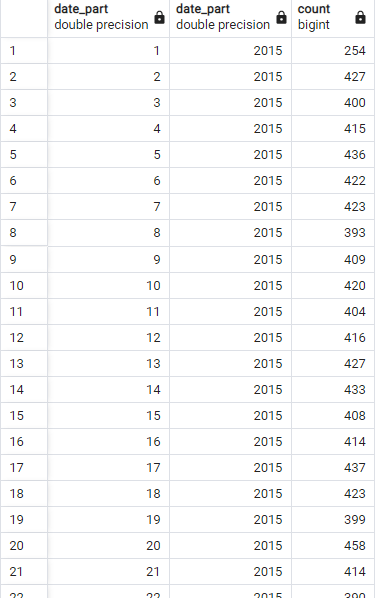
## Output:



# C. Weekly Trend for Orders

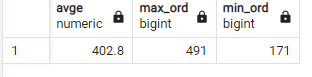
SELECT date\_part('week',order\_date),date\_part('year',order\_date),COUNT(DISTINCT(order\_id)) FROM pizza\_sales GROUP BY date\_part('week',order\_date),date\_part('year',order\_date);

## Output :



WITH valuess(week,yr,ord) AS (SELECT date\_part('week',order\_date),date\_part('year',order\_date),COUNT(DISTINCT(order\_id)) FROM pizza\_sales GROUP BY date\_part('week',order\_date),date\_part('year',order\_date)) SELECT ROUND(SUM(ord)\*1.0/count(week),1) AS avge,MAX(ord) AS max\_ord,MIN(ord) AS min\_ord FROM valuess;

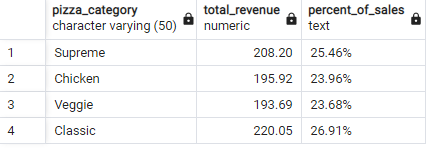
## Output :



# D. % of sales by Pizza Category

SELECT pizza\_category,ROUND(SUM(total\_price)/1000,2) AS Total\_revenue, CAST(ROUND((SUM(total\_price)/(SELECT SUM(total\_price) FROM pizza\_sales))\*100,2)AS VARCHAR(10))||'%' AS percent\_of\_sales FROM pizza\_sales GROUP BY pizza\_category;

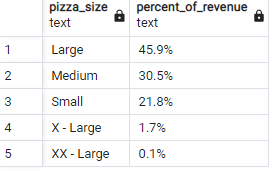
## Output :



# E. % of sales by Pizza Size

SELECT CASE WHEN pizza\_size='M' THEN 'Medium' WHEN pizza\_size='L' THEN 'Large' WHEN pizza\_size='S' THEN 'Small' WHEN pizza\_size='XL' THEN 'X - Large' WHEN pizza\_size='XXL' THEN 'XX - Large' END AS pizza\_size, CAST(ROUND((SUM(total\_price)/(SELECT SUM(total\_price) FROM pizza\_sales))\*100,1)AS VARCHAR(10))||'%' AS percent\_of\_revenue FROM pizza\_sales GROUP BY pizza\_size ORDER BY 2 DESC;

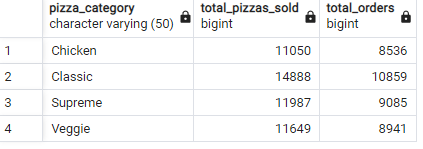
## Output :



# F. Total Pizzas sold by Pizza category

SELECT pizza\_category,SUM(quantity) AS Total\_Pizzas\_Sold, COUNT(DISTINCT(order\_id)) AS Total\_orders FROM pizza\_sales GROUP BY pizza\_category;

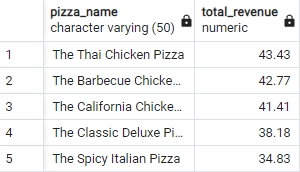
## Output :



# G. Top 5 & Bottom 5 Pizzas by Revenue

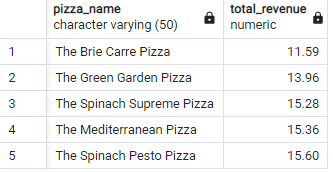
SELECT pizza\_name,ROUND(SUM(total\_price)/1000.0,2) AS total\_revenue FROM pizza\_sales GROUP BY pizza\_name ORDER BY total\_revenue DESC LIMIT 5;

## Output :



SELECT pizza\_name,ROUND(SUM(total\_price)/1000.0,2) AS total\_revenue FROM pizza\_sales GROUP BY pizza\_name ORDER BY total\_revenue ASC LIMIT 5;

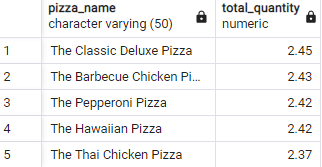
## Output :



# H. Top 5 & Bottom 5 Pizzas by Quantity

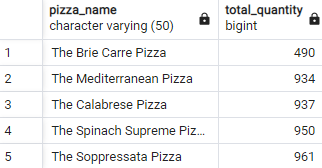
SELECT pizza\_name,ROUND((SUM(quantity)/1000.0),2) AS total\_quantity FROM pizza\_sales GROUP BY pizza\_name ORDER BY total\_quantity DESC LIMIT 5;

## Output :



SELECT pizza\_name,SUM(quantity) AS total\_quantity FROM pizza\_sales GROUP BY pizza\_name ORDER BY total\_quantity ASC LIMIT 5;

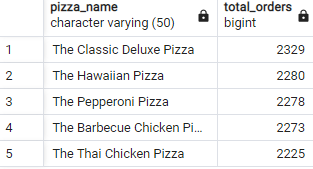
## Output :



# I. Top 5 & Bottom 5 Pizzas by Total Orders

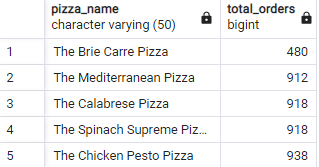
SELECT pizza\_name,COUNT(DISTINCT(order\_id)) AS total\_orders FROM pizza\_sales GROUP BY pizza\_name ORDER BY total\_orders DESC LIMIT 5;

## Output :



SELECT pizza\_name,COUNT(DISTINCT(order\_id)) AS total\_orders FROM pizza\_sales GROUP BY pizza\_name ORDER BY total\_orders ASC LIMIT 5;

## Output :

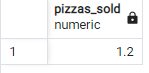


# J. Filter\_Check

SELECT ROUND(SUM(quantity)/1000.0,1) AS pizzas\_sold

FROM pizza\_sales WHERE date\_part('hour',order\_time)=18 AND pizza\_category='Chicken';

## Output :



## Tableau Report :



WITH valuess(week,yr,ord) AS

(SELECT date\_part('week',order\_date),date\_part('year',order\_date),COUNT(DISTINCT(order\_id)) FROM pizza\_sales WHERE date\_part('hour',order\_time)=18 AND pizza\_category='Chicken' GROUP BY date\_part('week',order\_date),date\_part('year',order\_date)) SELECT ROUND(SUM(ord)\*1.0/count(week),1) AS avge,MAX(ord) AS max\_ord,MIN(ord) AS min\_ord FROM valuess;

## Output :



SELECT ROUND((SUM(total\_price)/1000),2) AS Total\_revenue FROM pizza\_sales WHERE date\_part('hour',order\_time)=18 AND pizza\_category='Chicken';

## Output :

