**PIZZA SALES**

***Problem Statements :***

1. **Total revenue : Sum of total price of all pizza orders**
2. **Average Order Value : Average amount spent per order**
3. **Total Pizzas sold**
4. **Total number of orders**
5. **Average pizzas per order**

***Charts Requirement :***

1. **Daily trends for total orders**
2. **Hourly trends for total orders**
3. **Percentage of sales by pizza category**
4. **Percentage of sales by pizza size**
5. **Total pizzas sold by pizza category**
6. **Top 5 best sellers by total pizzas sold**
7. **Bottom 5 worst sellers by total pizzas sold**

**SQL QUERIES**

**A. KPI’s**

**1. Total Revenue:**

*SELECT SUM(total\_price) AS Total\_Revenue FROM pizza\_sales;*



**2. Average Order Value :**

*SELECT (SUM(total\_price) / COUNT(DISTINCT order\_id)) AS Avg\_order\_Value FROM pizza\_sales*



**3. Total Pizzas Sold :**

*SELECT SUM(quantity) AS Total\_pizza\_sold FROM pizza\_sales*



**4. Total Orders :**

*SELECT COUNT(DISTINCT order\_id) AS Total\_Orders FROM pizza\_sales*



**5. Average Pizzas Per Order :**

*SELECT CAST(CAST(SUM(quantity) AS DECIMAL(10,2)) /*

*CAST(COUNT(DISTINCT order\_id) AS DECIMAL(10,2)) AS DECIMAL(10,2))*

*AS Avg\_Pizzas\_per\_order*

*FROM pizza\_sales*



**B. Daily Trend for Total Orders***SELECT DATENAME(DW, order\_date) AS order\_day, COUNT(DISTINCT order\_id) AS total\_orders*

*FROM pizza\_sales*

*GROUP BY DATENAME(DW, order\_date)*

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**C. Hourly Trend for Orders**

*SELECT DATEPART(HOUR, order\_time) as order\_hours, COUNT(DISTINCT order\_id) as total\_orders*

*from pizza\_sales*

*group by DATEPART(HOUR, order\_time)*

*order by DATEPART(HOUR, order\_time)*

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**D. Percentage of Sales by Pizza Category**

*SELECT pizza\_category, CAST(SUM(total\_price) AS DECIMAL(10,2)) as total\_revenue,*

*CAST(SUM(total\_price) \* 100 / (SELECT SUM(total\_price) from pizza\_sales) AS DECIMAL(10,2)) AS PCT*

*FROM pizza\_sales*

*GROUP BY pizza\_category*

****

**E. Percentage of Sales by Pizza Size**

*SELECT pizza\_size, CAST(SUM(total\_price) AS DECIMAL(10,2)) as total\_revenue,*

*CAST(SUM(total\_price) \* 100 / (SELECT SUM(total\_price) from pizza\_sales) AS DECIMAL(10,2)) AS PCT*

*FROM pizza\_sales*

*GROUP BY pizza\_size*

*ORDER BY pizza\_size*

****

**F. Total Pizzas Sold by Pizza Category**

*SELECT pizza\_category, SUM(quantity) as Total\_Quantity\_Sold*

*FROM pizza\_sales*

*WHERE MONTH(order\_date) = 2*

*GROUP BY pizza\_category*

*ORDER BY Total\_Quantity\_Sold DESC*

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**G. Top 5 Best Sellers by Total Pizzas Sold**

*SELECT Top 5 pizza\_name, SUM(quantity) AS Total\_Pizza\_Sold*

*FROM pizza\_sales*

*GROUP BY pizza\_name*

*ORDER BY Total\_Pizza\_Sold DESC*

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**H. Bottom 5 Worst Sellers by Total Pizzas Sold**

*SELECT TOP 5 pizza\_name, SUM(quantity) AS Total\_Pizza\_Sold*

*FROM pizza\_sales*

*GROUP BY pizza\_name*

*ORDER BY Total\_Pizza\_Sold ASC*

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