



PIZZA SALES PRESENTATION

The background of the slide is a dark, textured surface, possibly a chalkboard or a dark table. In the top-left corner, there is a whole red tomato, a yellow bell pepper, and a head of garlic. In the bottom-left corner, there are several slices of pizza with various toppings like olives, onions, and peppers. In the bottom-right corner, there are some mushrooms and a yellow bell pepper. The overall aesthetic is rustic and food-themed.

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PROJECT OVERVIEW



- ❑ **OBJECTIVE**: The primary objective of this project is to analyze pizza sales data to uncover insights and trends that can help improve business decisions and strategies. By leveraging SQL for data extraction and transformation, and Power BI for data visualization, we aim to provide a comprehensive view of sales performance, customer behavior, and operational efficiency.
- ❑ **TOOLS**: For the project, Microsoft Excel, MySQL, and Power BI applications are used.
- ❑ **APPROACH**: Employ data analysis, SQL Analysis and Power BI visualization of the data for better understanding.
- ❑ **DATASET**: Make use of an extensive dataset that records pertinent attributes.
- ❑ **METHODOLOGY**: Investigate different SQL queries to get accurate results and to visualize trends and patterns more clearly.
- ❑ **OUTCOME**: Gain practical SQL & Power BI Visualization skills through hands-on experience in Pizza Sales Analysis.

PROJECT'S STEPS



- **Data Extraction:** Extract the necessary dataset from KAGGLE . Load the dataset in MySQL . Use SQL queries to get a overview of the dataset.
- **Data Cleaning:** Address any missing, duplicate, data type conversion or inconsistent data. This includes writing SQL scripts to clean the data.
- **Data Transformation:** Transform the raw data into a format suitable for analysis. This includes normalizing data, creating new calculated fields.
- **SQL Queries:** Multiple SQL Query for better understanding of data and then take the data for visualizations.
- **Connect to Data Sources:** In Power BI, connect to the SQL database and import the prepared table.
- **Data Loading:** Load the data into Power BI, ensuring that it is refreshed regularly if the data is dynamic.
- **Measure Creation:** Create DAX measures to calculate key performance indicators (KPIs) and other metrics required for the analysis.
- **Design Dashboards:** Create interactive dashboards in Power BI. Include visualizations such as charts, graphs, and maps that effectively communicate the data.
- **Customize Visuals:** Customize the visuals to align with the company's branding and make them easy to interpret.
- **Interpret Data:** Analyze the visualizations to draw meaningful insights
- **Generate Recommendations:** Based on the insights, generate actionable recommendations for the business.

DATA ANALYSIS DOMAINS



- A. SALES ANALYSIS:-** Pizza sales analysis using SQL and Power BI is a robust approach for gaining insights into sales performance and customer behavior. SQL is utilized to query the sales database, extracting relevant data such as Unit Price, Quantity and pizza specifics. This data is then cleaned and aggregated to identify trends, patterns, and anomalies in pizza sales, such as peak sales times, Percentage sales by size & Category. Once the data is prepared, Power BI is employed for visualization, enabling the creation of dynamic dashboards and interactive reports. This data is then processed to calculate key performance indicators (KPIs) such as Total Revenue, Average Order value, Total Pizza Sold, Total Orders and Average Pizza per order. The combination of SQL for data extraction and Power BI for visualization provides a comprehensive solution for effective pizza sales analysis.
- B. BEST/WORST SELLERS:-** Analyzing the best and worst pizza sellers using SQL and Power BI involves a systematic approach to uncovering performance metrics and identifying top-performing and underperforming sellers. SQL is first employed to query the sales database, retrieving data on individual seller transactions, sales volumes, and Total Revenue.. Using Power BI, these KPIs are visualized through interactive dashboards and detailed reports, highlighting the best and worst performers. Visualizations such as Stacked bar charts enable stakeholders to quickly grasp which sellers excel in terms of revenue and customer satisfaction and which ones lag behind. This analysis helps businesses to recognize successful strategies employed by top sellers, provide targeted support and training to underperformers, and ultimately improve overall sales performance and customer experience.

DATA DESCRIPTION

“pizza_sales”

NAME & DESCRIPTION OF THE COLUMNS:-

- **pizza_id** - A unique identifier assigned to each distinct pizza variant available for ordering.
- **Order_id** - A unique identifier for each order made, which links to multiple pizzas.
- **Pizza_name_id** - An identifier linking to a specific name of the pizza.
- **Quantity** - The number of units of a specific pizza variant ordered within an order.
- **Order_date** - The date when the order was placed.
- **Order_time** - The time when the order was placed.
- **Unit_price** - The cost of a single unit of the specific pizza variant.
- **Total_price** - The aggregated cost of all units of a specific pizza variant in an order.
- **Pizza_size** - The aggregated cost of all units of a specific pizza variant in an order.
- **Pizza_category** - Indicates the category of the pizza, such as vegetarian, non-vegetarian, etc.
- **Pizza_ingredients** - Provides a list or description of the ingredients used in the pizza.
- **Pizza_name** - Specifies the name of the specific pizza variant ordered.



SQL ANALYSIS (QUERIES)

- This dataset contains detailed information about pizza orders, including specifics about the pizza variants, quantities, pricing, dates, times, and categorization details.
- The final result is displayed below after the raw data is fed into SQL and certain columns, such as `order_date` and `order_time`, have had their data types altered.

| pizza_id | order_id | pizza_name_id | quantity | order_date | order_time | unit_price | total_price | pizza_size | pizza_category | pizza_ingredients | pizza_name |
|----------|----------|----------------|----------|------------|------------|------------|-------------|------------|----------------|------------------------------------|----------------------------------|
| 1 | 1 | hawaiian_m | 1 | 2015-01-01 | 11:38:36 | 13.25 | 13.25 | M | Classic | Sliced Ham, Pineapple | The Hawaiian Pizza |
| 2 | 2 | classic_dlx_m | 1 | 2015-01-01 | 11:57:40 | 16 | 16 | M | Classic | Pepperoni, Mushrooms | The Classic Deluxe Pizza |
| 3 | 2 | five_cheese_l | 1 | 2015-01-01 | 11:57:40 | 18.5 | 18.5 | L | Veggie | Mozzarella Cheese, Olives | The Five Cheese Pizza |
| 4 | 2 | ital_supr_l | 1 | 2015-01-01 | 11:57:40 | 20.75 | 20.75 | L | Supreme | Calabrese Sausage, Pepperoni | The Italian Supreme Pizza |
| 5 | 2 | mexicana_m | 1 | 2015-01-01 | 11:57:40 | 16 | 16 | M | Veggie | Tomatoes, Red Onions | The Mexicana Pizza |
| 6 | 2 | thai_chn_l | 1 | 2015-01-01 | 11:57:40 | 20.75 | 20.75 | L | Chicken | Chicken, Pineapple | The Thai Chicken Pizza |
| 7 | 3 | ital_supr_m | 1 | 2015-01-01 | 12:12:28 | 16.5 | 16.5 | M | Supreme | Calabrese Sausage, Pepperoni | The Italian Supreme Pizza |
| 8 | 3 | prsc_argla_l | 1 | 2015-01-01 | 12:12:28 | 20.75 | 20.75 | L | Supreme | Prosciutto di San Daniele, Arugula | The Prosciutto and Arugula Pizza |
| 9 | 4 | ital_supr_m | 1 | 2015-01-01 | 12:16:31 | 16.5 | 16.5 | M | Supreme | Calabrese Sausage, Pepperoni | The Italian Supreme Pizza |
| 10 | 5 | ital_supr_m | 1 | 2015-01-01 | 12:21:30 | 16.5 | 16.5 | M | Supreme | Calabrese Sausage, Pepperoni | The Italian Supreme Pizza |
| 11 | 6 | bbq_chn_s | 1 | 2015-01-01 | 12:29:36 | 12.75 | 12.75 | S | Chicken | Barbecued Chicken, Pineapple | The Barbecue Chicken Pizza |
| 12 | 6 | the_greek_s | 1 | 2015-01-01 | 12:29:36 | 12 | 12 | S | Classic | Kalamata Olives, Feta | The Greek Pizza |
| 13 | 7 | spinach_supr_s | 1 | 2015-01-01 | 12:50:37 | 12.5 | 12.5 | S | Supreme | Spinach, Red Onions | The Spinach Supreme Pizza |
| 14 | 8 | spinach_supr_s | 1 | 2015-01-01 | 12:51:37 | 12.5 | 12.5 | S | Supreme | Spinach, Red Onions | The Spinach Supreme Pizza |
| 15 | 9 | classic_dlx_s | 1 | 2015-01-01 | 12:52:01 | 12 | 12 | S | Classic | Pepperoni, Mushrooms | The Classic Deluxe Pizza |

IMPORTANT KPI'S CALCULATIONS

1. **Total Revenue:** The sum of the total price of all pizza orders.
2. **Average Order value:** The average amount spent per order, calculated by dividing the total revenue by the total number of orders.
3. **Total Pizzas Sold:** The Sum Of the quantities of all pizza sold.
4. **Total Orders:** The total number of orders placed.
5. **Average Pizzas Per Order:** The average number of pizzas sold per order, calculated by dividing the total number of pizzas sold by the total number of orders.

```
19  -- A. KPI's Requirement --
20  -- 1. Total Revenue --
21  • SELECT round(sum(total_price),2) AS Total_Revenue FROM pizza_sales;
22
23  -- 2. Average Order value --
24  • SELECT round(sum(total_price) / count(DISTINCT order_id),2) AS Avg_Order_value FROM pizza_sales;
25
26  -- 3. Total Pizza Sold --
27  • SELECT sum(quantity) AS Total_Pizza_solds FROM pizza_sales;
28
29  -- 4. Total Orders --
30  • SELECT count(DISTINCT order_id) AS Total_Orders FROM pizza_sales;
31
32  -- 5. Average Pizza Per Order --
33  • SELECT round(sum(quantity) / count(DISTINCT order_id),2) AS Avg_Pizza_Per_order FROM pizza_sales;
```

OUTPUTS:-

| | |
|---------------------|-------------|
| Total_Revenue | ▶ 817860.05 |
| Avg_Order_value | ▶ 38.31 |
| Total_Pizza_solds | ▶ 49574 |
| Total_Orders | ▶ 21350 |
| Avg_Pizza_Per_order | ▶ 2.32 |



TRENDS OVERVIEW

- **Daily Trends for Total Orders:** The number below displays the daily trend over a specific time period. This will help us to identify any pattern in order volumes on a daily basis.
- **Monthly Trends for Total Orders:** The number below displays monthly trend over a specific time period . This will help us to identify and pattern in order volumes on a monthly basis.

```
SELECT DAYNAME(order_date) AS order_day,  
       COUNT(DISTINCT order_id) AS total_orders  
FROM pizza_sales  
GROUP BY DAYNAME(order_date);
```

| order_day | total_orders |
|-----------|--------------|
| Friday | 3538 |
| Monday | 2794 |
| Saturday | 3158 |
| Sunday | 2624 |
| Thursday | 3239 |
| Tuesday | 2973 |
| Wednesday | 3024 |

Daily Trends

OUTPUTS:-

Monthly Trends

```
SELECT monthname(order_date) AS month_name, count(DISTINCT order_id) AS Total_orders  
FROM pizza_sales  
GROUP BY monthname(order_date)  
ORDER BY Total_orders DESC;
```

| month_name | Total_orders |
|------------|--------------|
| July | 1935 |
| May | 1853 |
| January | 1845 |
| August | 1841 |
| March | 1840 |
| April | 1799 |
| November | 1792 |
| June | 1773 |
| February | 1685 |
| December | 1680 |
| September | 1661 |
| October | 1646 |

PERCENTAGE SALES CALCULATIONS

- **Percentage of Sales by Pizza Category:** The percentage in output shows the distribution of sales across different pizza category. This will provide insights into the popularity of various pizza categories and their contribution to overall sales.
- **Percentage of Sales by Pizza Size:** The percentage in output shows the distribution of sales across different pizza Size. This will provide insights into the popularity of various pizza size and their contribution to overall sales.

```
SELECT pizza_category, CAST(SUM(total_price) AS DECIMAL(10,2)) AS total_Sales,  
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;
```

```
SELECT pizza_size, CAST(SUM(total_price) AS DECIMAL(10,2)) AS Total_Sales,  
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 PCT DESC;
```

OUTPUTS:-

| pizza_category | total_Sales | PCT |
|----------------|-------------|-------|
| Classic | 220053.10 | 26.91 |
| Veggie | 193690.45 | 23.68 |
| Supreme | 208197.00 | 25.46 |
| Chicken | 195919.50 | 23.96 |

| pizza_size | Total_Sales | PCT |
|------------|-------------|-------|
| L | 375318.70 | 45.89 |
| M | 249382.25 | 30.49 |
| S | 178076.50 | 21.77 |
| XL | 14076.00 | 1.72 |
| XXL | 1006.60 | 0.12 |

TOTAL SALES BY PIZZA CATEGORY



- ❑ **Total Pizza Sold by Pizza Category:** It represents the total number of pizzas sold for each pizza category. This will allow us to compare the sales performance of different pizza categories.

```
SELECT pizza_category, SUM(quantity) AS Total_Quantity_Sold
FROM pizza_sales
GROUP BY pizza_category
ORDER BY Total_Quantity_Sold DESC;
```

OUTPUT:-

| pizza_category | Total_Quantity_Sold |
|----------------|---------------------|
| Classic | 14888 |
| Supreme | 11987 |
| Veggie | 11649 |
| Chicken | 11050 |

BEST/WORST SELLERS BY TOTAL REVENUE

- **Top 5 Best Sellers by Revenue:** This SQL code shows the top 5 best pizzas sold based on total Revenue. This numbers will help us identify the most popular pizza options.
- **Bottom 5 Best Sellers by Revenue:** This SQL code shows the bottom 5 pizzas sold based on total Revenue. This numbers will help us to identify the not so popular pizza options.

```
SELECT pizza_name, SUM(total_price) AS Total_Revenue
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Revenue DESC
limit 5;
```

```
SELECT pizza_name, SUM(total_price) AS Total_Revenue
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Revenue ASC
LIMIT 5;
```

OUTPUTS:-

| pizza_name | Total_Revenue |
|------------------------------|---------------|
| The Thai Chicken Pizza | 43434.25 |
| The Barbecue Chicken Pizza | 42768 |
| The California Chicken Pizza | 41409.5 |
| The Classic Deluxe Pizza | 38180.5 |
| The Spicy Italian Pizza | 34831.25 |

| pizza_name | Total_Revenue |
|---------------------------|--------------------|
| The Brie Carre Pizza | 11588.499999999999 |
| The Green Garden Pizza | 13955.75 |
| The Spinach Supreme Pizza | 15277.75 |
| The Mediterranean Pizza | 15360.5 |
| The Spinach Pesto Pizza | 15596 |

BEST/WORST SELLERS BY TOTAL QUANTITY

- **Top 5 Best Sellers by Quantity:** This SQL code shows the top 5 best pizzas sold based on total quantity. These numbers will help us identify the most popular pizza options.
- **Bottom 5 Best Sellers by Quantity:** This SQL code shows the bottom 5 pizzas sold based on total quantity. These numbers will help us to identify the not so popular pizza options.

```
SELECT pizza_name, SUM(quantity) AS Total_Pizza_Sold
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Pizza_Sold DESC
LIMIT 5;
```

```
SELECT pizza_name, SUM(quantity) AS Total_Pizza_Sold
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Pizza_Sold asc
LIMIT 5;
```

OUTPUTS:-

| pizza_name | Total_Pizza_Sold |
|----------------------------|------------------|
| The Classic Deluxe Pizza | 2453 |
| The Barbecue Chicken Pizza | 2432 |
| The Hawaiian Pizza | 2422 |
| The Pepperoni Pizza | 2418 |
| The Thai Chicken Pizza | 2371 |

| pizza_name | Total_Pizza_Sold |
|---------------------------|------------------|
| The Brie Carre Pizza | 490 |
| The Mediterranean Pizza | 934 |
| The Calabrese Pizza | 937 |
| The Spinach Supreme Pizza | 950 |
| The Soppresata Pizza | 961 |

BEST/WORST SELLERS BY TOTAL ORDERS

- **Top 5 Best Sellers by Total Orders:** This SQL code shows the top 5 best pizzas sold based on total Orders. This numbers will help us identify the most popular pizza options.
- **Bottom 5 Best Sellers by Total Orders:** This SQL code shows the bottom 5 pizzas sold based on total Orders. This numbers will help us to identify the not so popular pizza options.

```
SELECT pizza_name, COUNT(DISTINCT order_id) AS Total_Orders
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Orders DESC
LIMIT 5;
```

```
SELECT pizza_name, COUNT(DISTINCT order_id) AS Total_Orders
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Orders ASC
LIMIT 5;
```

OUTPUTS:-

| pizza_name | Total_Orders |
|----------------------------|--------------|
| The Classic Deluxe Pizza | 2329 |
| The Hawaiian Pizza | 2280 |
| The Pepperoni Pizza | 2278 |
| The Barbecue Chicken Pizza | 2273 |
| The Thai Chicken Pizza | 2225 |

| pizza_name | Total_Orders |
|---------------------------|--------------|
| The Brie Carre Pizza | 480 |
| The Mediterranean Pizza | 912 |
| The Calabrese Pizza | 918 |
| The Spinach Supreme Pizza | 918 |
| The Chicken Pesto Pizza | 938 |



SQL SERVER

CONNECT

POWER BI

Connecting SQL Server to Power BI is an essential step in leveraging the powerful data visualization capabilities of Power BI to analyze Pizza sales data stored in SQL server. This connection allows for the seamless integration of robust data management with interactive reporting, provide valuable insights into Sales trend, pizzas performance and customer's pizza preferences.

Benefits:

- **Real-time Data Analysis:** With DirectQuery, Power BI can query data directly from SQL Server, providing up-to-date insights without the need for frequent data imports.
- **Comprehensive Reporting:** By combining queries and views from SQL Server, Power BI enables the creation of detailed and comprehensive reports that cover various aspects of pizza sales.
- **Interactive Dashboards:** Power BI's interactive features allow users to filter data dynamically, drill down into details, and uncover hidden trends in pizza sales data.
- **Improved Decision-Making:** The insights derived from Power BI reports can inform strategic decisions such as inventory management, marketing campaigns, and customer engagement strategies.

We can construct new measures and columns using the DAX function after connecting SQL to Power BI, and we can also make interactive reports after that. In summary, the integration of SQL Server with Power BI for pizza sales analysis empowers businesses to transform raw sales data into actionable insights, driving better decision-making and enhancing overall business performance.

REPORT – 1: Sales Analysis



PIZZA SALES REPORT

Jan/15 - Dec/15

Pizza Category

All

01-01-2015

31-12-2015



Home



Best/worst Sellers

BUSIEST DAYS & TIMES

DAYS

Orders are **highest** on weekends **Friday/Saturday** evenings.

MONTHLY

There are **maximum** orders from month of **July** and **January**.

SALES PERFORMANCE

CATEGORY

Classic Category Contributes to **maximum** Sales in total orders.

SIZE

Large size pizza contributes to **maximum** sales.



817.86K

Total Revenue



38.31

Average Order value



49574

Total Pizzas Sold



21350

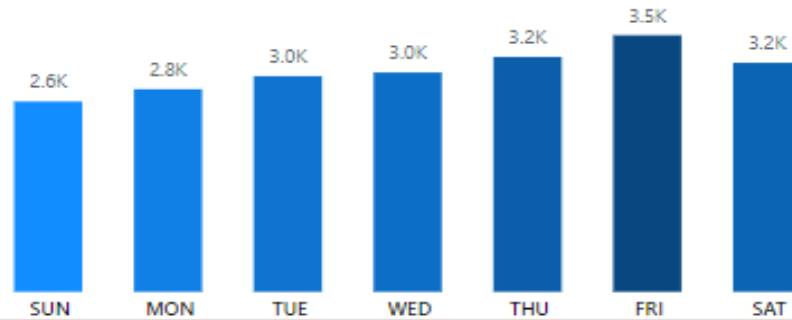
Total Orders



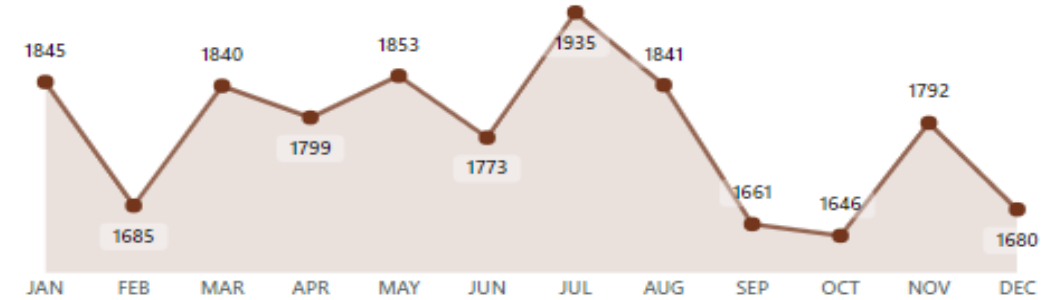
2.32

Avg Pizzas Per Order

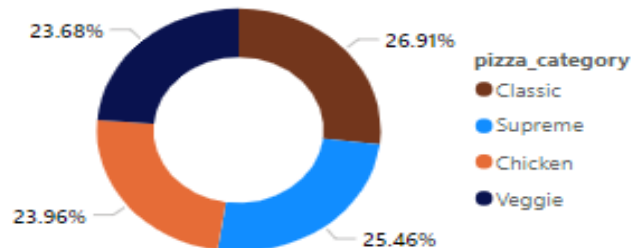
Daily Trends for Total Orders



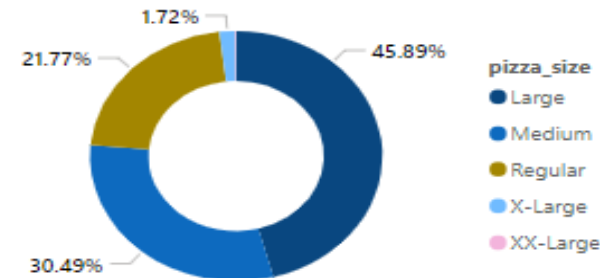
Monthly Trend for Total Orders



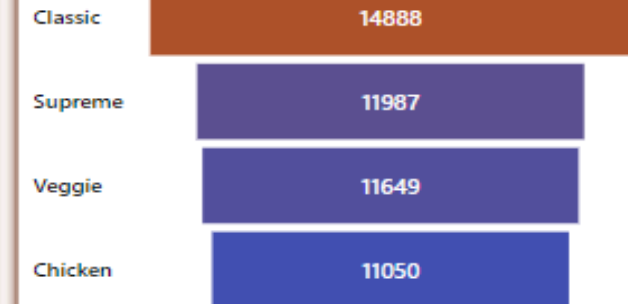
% of Sales by Pizza Category



% of Sales by Pizza Size



Total Pizzas Sold by Pizza Category



REPORT – 2: Best/worst Sellers



REPORT 1- Sales Analysis

KEY INSIGHTS

1. KPI'S REQUIREMENT:

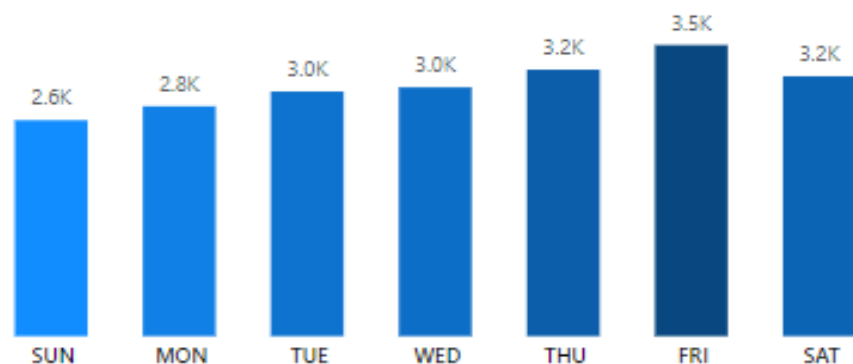


KEY PERFORMANCE INDICATOR:-

- **Total Revenue:** The sum of the total price of all pizza orders is **817.86K**.
- **Average Order value:** The average amount spent per order is **38.31**.
- **Total Pizzas Sold:** The Sum Of the quantities of all pizza sold is **49,574**.
- **Total Orders:** The total number of orders placed is **21,350**.
- **Average Pizzas Per Order:** The average number of pizzas sold per order is **2.32**.

2. STACKED COLUMN CHART: Daily Trends for Total Orders

Daily Trends for Total Orders

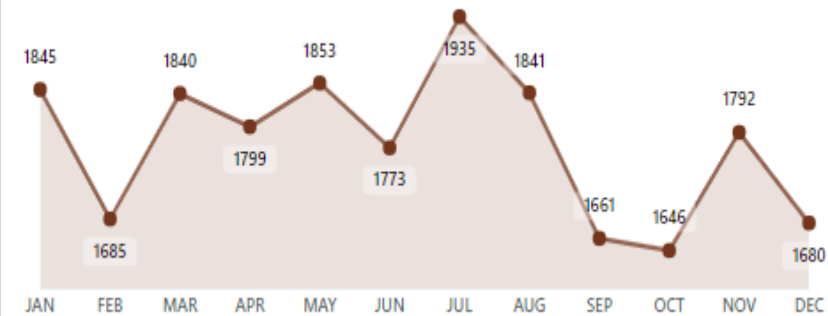


The purpose of this stacked column chart is to display daily trends by total orders. It is evident from the chart that **THURSDAY**, with **3.5k** orders, is the **highest** day of the week, followed by **FRIDAY** & **SATURDAY** with **3.2k** orders, and **SUNDAY** & **MONDAY**, with **2.6k** and **2.8k** orders are the **lowest**.



3. AREA CHART: Monthly Trend for Total Orders

Monthly Trend for Total Orders

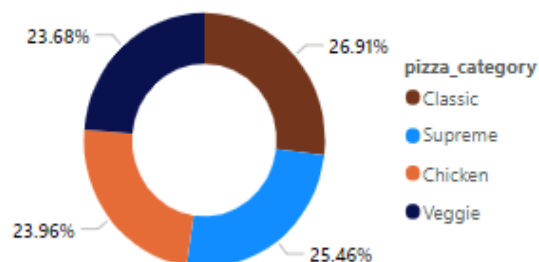


This Stacked Column Chart was created to display the trends for each month broken down by Total Orders. The graph makes it evident that the top three months of the year are **JULY** (1,935 orders), **JANUARY** (1845 orders) & **MAY** (1853 orders). September & October saw the fewest orders placed during the month, at 1,661 & 1,646 respectively. This indicates that the majority of pizza orders will be placed in **JULY**.

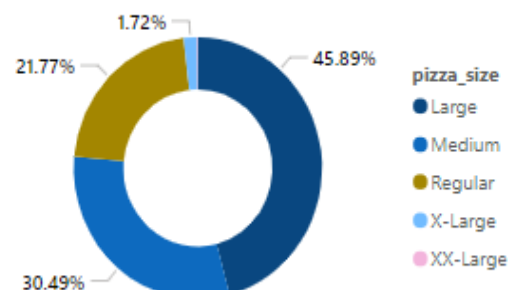


4 & 5 PIE CHART: Percentage Sales by Pizza Category & Size

% of Sales by Pizza Category



% of Sales by Pizza Size

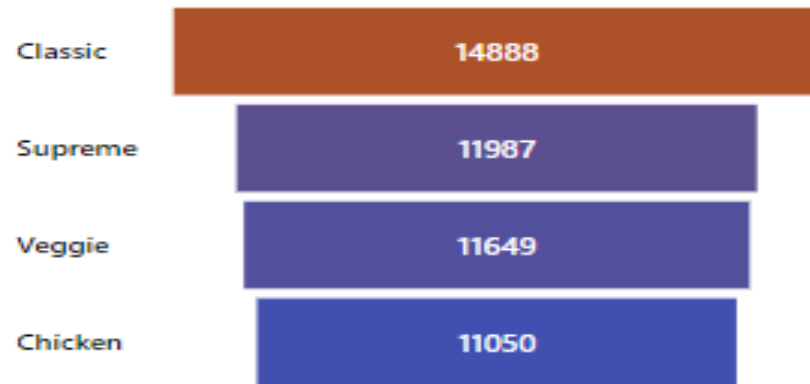


To show the distribution of sales across various pizza categories and sizes, pie charts were constructed. The first graphic makes it quite evident how sales are broken down by type of pizza; the most popular varieties are **CLASSIC** (26.91%) & **SUPREME** (25.46%), followed by chicken & vegetable.

In the second graphic, it is evident that sales are broken down by pizza size, with **LARGE** (45.89%) & **MEDIUM** (30.49%) pizzas having the highest sales, followed by normal and x-large pizzas.

6. FUNNEL: Total Pizzas Sold by Pizza Category

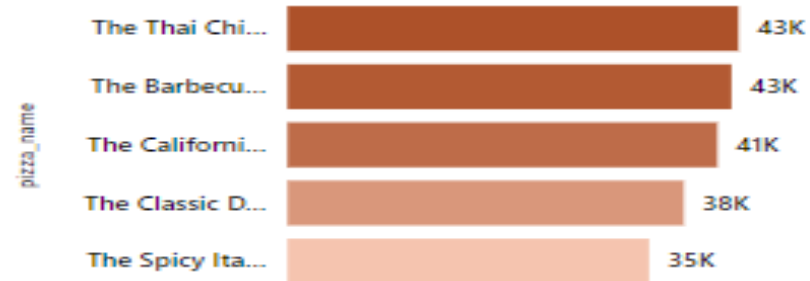
Total Pizzas Sold by Pizza Category



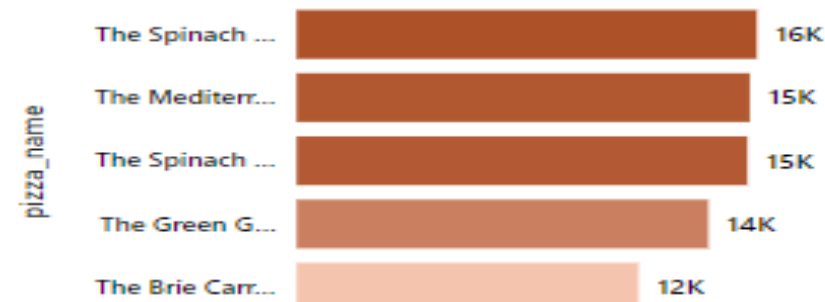
Analyzing the total number of pizzas sold by category provides valuable insights into customer preferences and sales performance across different pizza types. The total number of pizzas sold by category is shown in this figure; the most popular categories are **CLASSIC** with (14, 888 sold) & **SUPREME** with (11,987 sold).

1 & 2 STACKED BAR CHART: Top & Bottom 5 Pizzas By Revenue

Top 5 Pizzas by Revenue



Bottom 5 Pizzas by Revenue



Report 2 - Best/Worst sellers

The top five pizzas in terms of revenue are displayed in the first visual expression. With **43K**, **THAI** & **BARBECUE CHICKEN** pizzas bring in the most money. California chicken (**41k**), classic deluxe (**38k**), & spicy Italian (**35k**) pizzas are next in line.

In the second visual expression, the lowest five pizzas in terms of revenue are shown. The **SPINACH PESTO** makes the least money, with **16k**. The next in line, in minimum revenue, are the Mediterranean (**15k**), Spinach Supreme (**15k**), Green Garden (**14k**), & Brie Carrie pizzas (**12k**).

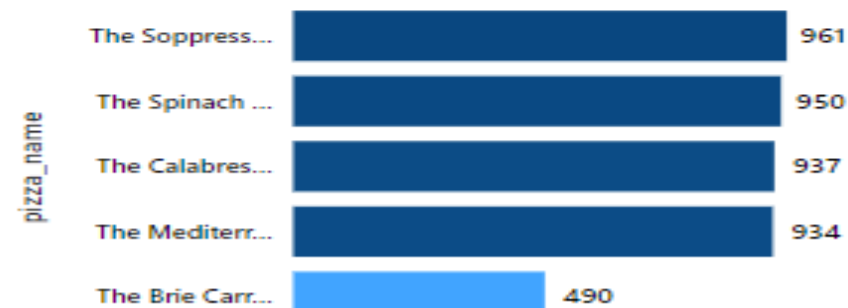


3 & 4 STACKED BAR CHART: Top & Bottom 5 Pizzas by Quantity

Top 5 Pizzas by Quantity



Bottom 5 Pizzas by Quantity



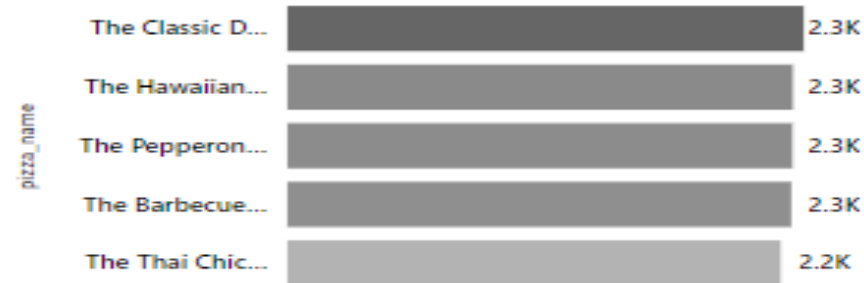
The first visual representation shows the top five pizzas in terms of Quantity. The most popular pizza, total pizzas sold for 2.5K, is the classic deluxe pizza. Next in line are the Hawaiian, Pepperoni, and Thai chicken pizzas, & barbecue chicken each with 2.4k pizzas sold.

In the second visual expression, the bottom five pizzas in terms of Quantity are shown. The **BRIE CARRIE** makes the least sold pizza, with **490**. The next in line, in minimum pizzas sold, are the Spinach Supreme (**950**), Calabrese (**937**), Mediterranean (**934**), & Soppressata (**961**) pizzas.

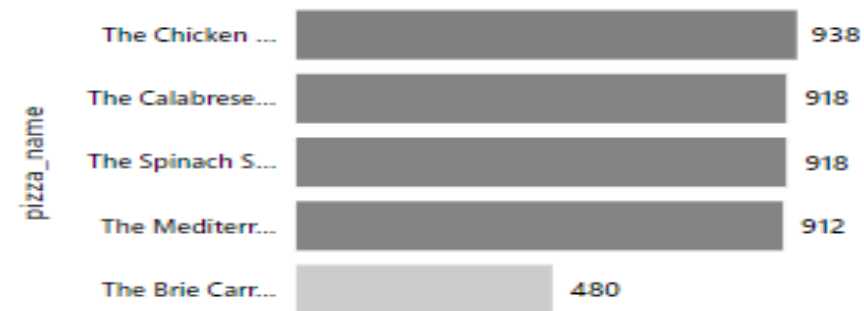


5 & 6 STACKED BAR CHART : Top & Bottom 5 Pizzas by Total Orders

Top 5 Pizzas by Total Orders



Bottom 5 Pizzas by Total Orders



In the first visual expression, the top five pizzas in terms of total orders are shown. The pizzas with the most orders are the **CLASSIC DELUXE**, **HAWAIIAN**, **PEPPERONI**, & **BARBECUE CHICKEN**, each with **2.3K**. With **2.2k** orders, Thai pizza is the second best ordered type of pizza.

In the second visual expression, the lowest five pizzas in terms of total orders are shown. The **BRIE CARRIE PIZZA** makes the least orders, with **480**. The next in line, in minimum orders, are the Mediterranean (**912**), Spinach Supreme & Calabrese pizza with **918**. Then at last The chicken Pesto pizza with **938** orders.



REFERENCES

Data Source:

Next Millionaire. "Pizza Sales Dataset." Kaggle, 2023. Available at: Kaggle Pizza Sales Dataset

Data Access Method:

The dataset was directly downloaded using the Kaggle with the following link:

www.kaggle.com/datasets/nextmillionaire/pizza-sales-dataset/data

The dataset can also be accessed and downloaded using the Kaggle API with the following command:

[`kaggle datasets download -d nextmillionaire/pizza-sales-dataset`](#)

This commands allows for easy programmatic access and integration of the dataset into data analysis workflows.





THANK
YOU