

# PIZZA SALES DATA ANALYSIS

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**ORDER  
NOW**





# RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.



```
SELECT
    COUNT(order_id) AS Total_orders
FROM
    pizza_sales.orders;
```



Total_orders
21350

# CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES

```
SELECT
  ROUND(
    SUM(
      order_details.quantity * pizzas.price
    ),
    2
  ) AS Total_sales
FROM
  order_details
  JOIN pizzas ON order_details.pizza_id = pizzas
               .pizza_id;
```



Total\_sales

817860.05



# IDENTIFY THE HIGHEST-PRICED PIZZA.



```
SELECT
    pizza_types.name, pizzas.price
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
ORDER BY pizzas.price DESC
LIMIT 1;
```

Name	price
The Greek Pizza	35.95

# THE MOST COMMON PIZZA SIZE ORDERED



```
SELECT
    pizzas.size,
    COUNT(order_details.order_details_id) AS
        order_count
FROM
    pizzas
    JOIN
    order_details ON pizzas.pizza_id =
        order_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC;
```



size	order_count
L	18526
M	15385
S	14137
XL	544
XXL	28

# TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

```
SELECT
    pizza_types.name,
    SUM(order_details.quantity) AS quantity
FROM
    pizza_types
    JOIN pizzas ON pizza_types.pizza_type_id =
        pizzas.pizza_type_id
    JOIN order_details ON order_details.pizza_id =
        pizzas.pizza_id
GROUP BY
    pizza_types.name
ORDER BY
    quantity DESC
LIMIT
    5;
```

Name	Quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

# TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED.



```
SELECT
    pizza_types.category,
    SUM(order_details.quantity) AS quantity
FROM
    pizza_types
    JOIN pizzas ON pizza_types.pizza_type_id =
        pizzas.pizza_type_id
    JOIN order_details ON order_details.pizza_id =
        pizzas.pizza_id
GROUP BY
    pizza_types.category
ORDER BY
    quantity DESC;
```

Category	Quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

# THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.



```
SELECT
    HOUR(orders.order_time) AS hour,
    COUNT(orders.order_id) AS order_count
FROM
    orders
GROUP BY
    HOUR(orders.order_time);
```

A	B
hour	order_count
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198
22	663
23	28
10	8
9	1





# FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS



```
SELECT
    category,
    COUNT(name) AS name
FROM
    pizza_sales.pizza_types
GROUP BY
    category;
```

category	Pizza_no
Chicken	6
Classic	8
Supreme	9
Veggie	9



# GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY

```
SELECT
    ROUND(AVG(quantity), 0) AS
        average_pizza_order_per_day
FROM
    (SELECT
        orders.order_date, SUM(order_details
            .quantity) AS quantity
        FROM
            orders
        JOIN order_details ON orders.order_id =
            order_details.order_id
        GROUP BY orders.order_date) AS
        order_quantity;
```

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average\_pizza\_order\_per\_day

# TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.

```
SELECT
    pizza_types.name,
    SUM(order_details.quantity * pizzas.price) AS revenue
FROM
    pizza_types
    JOIN
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
    JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY revenue DESC
LIMIT 3;
```

Name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5



# THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.

```
SELECT
  pt.category,
  ROUND(
    SUM(od.quantity * p.price) / (
      SELECT
        SUM(od.quantity * p.price)
      FROM
        pizza_sales.order_details od
        JOIN pizza_sales.pizzas p ON od.pizza_id = p.pizza_id
    ) * 100,
    2
  ) AS revenue_percentage
FROM
  pizza_sales.pizza_types pt
  JOIN pizza_sales.pizzas p ON pt.pizza_type_id = p.pizza_type_id
  JOIN pizza_sales.order_details od ON od.pizza_id = p.pizza_id
GROUP BY
  pt.category
ORDER BY
  revenue_percentage DESC;
```

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category	revenue_percentage
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68

# CUMULATIVE REVENUE GENERATED OVER TIME

```
SELECT
  order_date,
  SUM(revenue) OVER (
    ORDER BY
      order_date
  ) AS cum_revenue
FROM
  (
    SELECT
      o.order_date,
      SUM(od.quantity * p.price) AS revenue
    FROM
      pizza_sales.order_details od
      JOIN pizza_sales.pizzas p ON od.pizza_id = p.pizza_id
      JOIN pizza_sales.orders o ON o.order_id = od.order_id
    GROUP BY
      o.order_date
  ) AS sales;
```

order_date	cum_revenue
1/1/2015	2713.85
1/2/2015	5445.75
1/3/2015	8108.15
1/4/2015	9863.6
1/5/2015	11929.55
1/6/2015	14358.5
1/7/2015	16560.7
1/8/2015	19399.05
1/9/2015	21526.4
1/10/2015	23990.35
1/11/2015	25862.65
1/12/2015	27781.7
1/13/2015	29831.3
1/14/2015	32358.7
1/15/2015	34343.5
1/16/2015	36937.65
1/17/2015	39001.75
1/18/2015	40978.6
1/19/2015	43365.75
1/20/2015	45763.65
1/21/2015	47804.2
1/22/2015	50300.9

# TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY

SELECT

category,

name,

revenue

FROM (

SELECT

pt.category,

pt.name AS name,

SUM(od.quantity \* p.price) AS revenue,

DENSE\_RANK() OVER (PARTITION BY pt.category ORDER BY SUM(od.quantity \* p.price) DESC) AS rank\_num

FROM pizza\_sales.pizza\_types pt

JOIN pizza\_sales.pizzas p ON pt.pizza\_type\_id = p.pizza\_type\_id

JOIN pizza\_sales.order\_details od ON od.pizza\_id = p.pizza\_id

GROUP BY pt.category, pt.name

) AS ranked\_pizzas

WHERE rank\_num <= 3

ORDER BY category, rank\_num limit 3;

category	name	revenue
Chicken	The Thai Chicken Pizza	43434.25
Chicken	The Barbecue Chicken Pizza	42768
Chicken	The California Chicken Pizza	41409.5



Pizza Sales Analysis Presentation

THANK YOU

