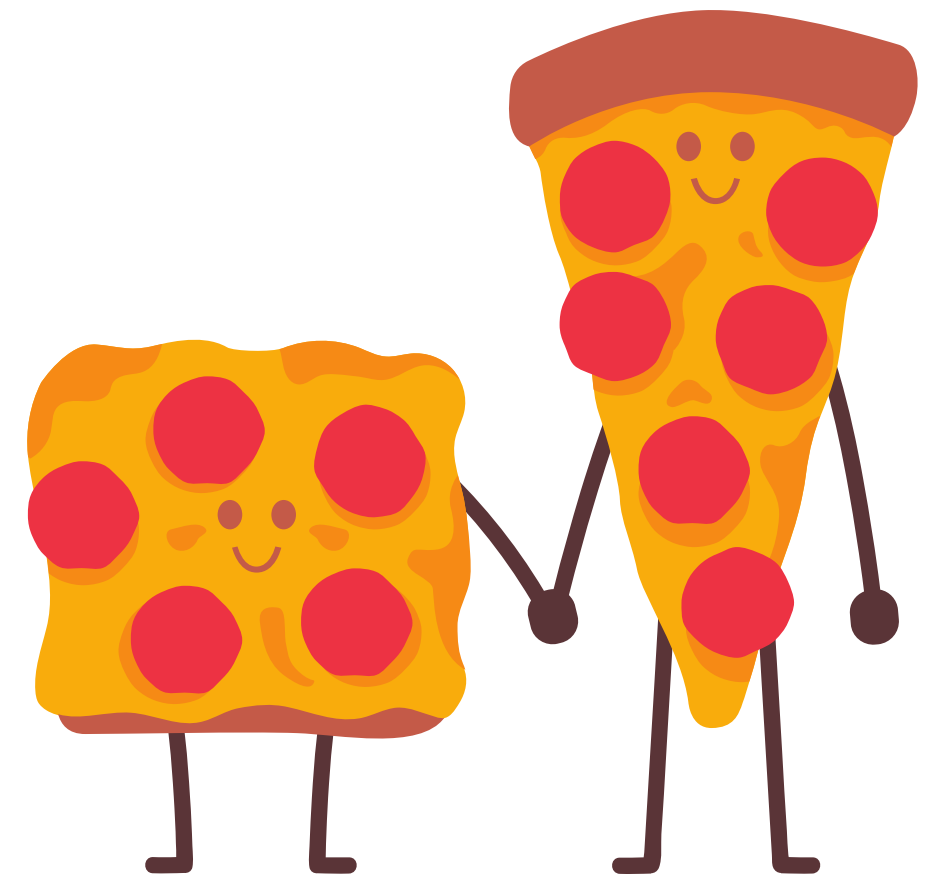


# SLICE, DICE, AND SQL : UNEVILING PIZZA SALES SECRETS!



# Hey there !

**I'm Jayshree Kaser, your pizza data detective ready to unveil some saucy insights on pizza sales.**

**Get ready to dive into the delicious world of pizza sales data analysis. we'll slice through the numbers to uncover cheesy secrets and tasty trends in the food industry.**

Cracked the case to reveal the total number of  
pizza orders- the pizza party is on!

```
select count(order_id) as total_orders from orders;
```

| Result Grid |              |
|-------------|--------------|
|             | total_orders |
| ▶           | 21350        |

# Followed the money trail to calculate the dough earned from pizza sales- Cha-ching!

```
SELECT  
    ROUND(SUM(orders_details.quantity * pizzas.price),  
          2) AS total_sales  
FROM  
    orders_details  
    JOIN  
    pizzas ON pizzas.pizza_id = orders_details.pizza_id
```

| Result Grid |             |
|-------------|-------------|
|             | total_sales |
| ▶           | 817860.05   |

# Uncovered the pizza with the fanciest price tag- the caviar of pizzas!

```
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;
```

| Result Grid |                 |       | Filter Ro |
|-------------|-----------------|-------|-----------|
|             | name            | price |           |
| ▶           | The Greek Pizza | 35.95 |           |

# Discovered the most popular pizza size ordered-size does matter in the pizza world!

```
SELECT
    pizzas.size,
    COUNT(orders_details.order_details_id) AS order_count
FROM
    pizzas
    JOIN
        orders_details ON pizzas.pizza_id = orders_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          |

# Listed the top 5 pizza rockstars and their fan following in quantities- pizza stardom!

```
SELECT
    pizza_types.name, SUM(orders_details.quantity) AS quantity
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    orders_details ON orders_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     |

# Played matchmaker with tables to find out how many of each pizza got a date with the oven!

```
SELECT
    pizza_types.category,
    SUM(orders_details.quantity) AS quantity
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    orders_details ON orders_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    |



# Time-traveled through orders to see when pizzas were in high demand- pizza time is anytime!

SELECT

    HOUR(order\_time) AS hour, COUNT(order\_id) AS order\_count

FROM

    orders

GROUP BY HOUR(order\_time);

|   | 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           |

Sorted pizzas into their pizza categories- it's a pizza party with a theme!

```
select category, count(name) from pizza_types  
group by category;
```

|   | category | count(name) |
|---|----------|-------------|
| ▶ | Chicken  | 6           |
|   | Classic  | 8           |
|   | Supreme  | 9           |
|   | Veggie   | 9           |

Grouped orders by date to find out the daily pizza average- every day is a pizza party!

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

|   |                        |
|---|------------------------|
|   | round(avg(quantity),0) |
| ▶ | 138                    |

# Revealed the top 3 pizza celebrities based on revenue- the pizza A-listers!

```
SELECT
    pizza_types.name,
    SUM(orders_details.quantity * pizzas.price) AS revenue
FROM
    pizza_types
    JOIN
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
    JOIN
    orders_details ON orders_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  |

# Calculated the pizza power players' cut of the revenue pie- who's the revenue champion?

```
SELECT
    pizza_types.category,
    ROUND(SUM(orders_details.quantity * pizzas.price) / (SELECT
        ROUND(SUM(orders_details.quantity * pizzas.price),
            2) AS total_sales
    FROM
        orders_details
        JOIN
        pizzas ON pizzas.pizza_id = orders_details.pizza_id) * 100,
    2) AS revenue
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    orders_details ON orders_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY revenue DESC;
```

|   | category | revenue |
|---|----------|---------|
| ▶ | Classic  | 26.91   |
|   | Supreme  | 25.46   |
|   | Chicken  | 23.96   |
|   | Veggie   | 23.68   |

# WATCHED THE DOUGH RISE WITH THE CUMULATIVE REVENUE OVER TIME- DOUGH-N'T STOP BELIEVING!

```
select order_date,  
sum(revenue) over(order by order_date) as cum_revenue  
from  
(select orders.order_date,  
sum(orders_details.quantity * pizzas.price) as revenue  
from orders_details join pizzas  
on orders_details.pizza_id = pizzas.pizza_id  
join orders  
on orders.order_id = orders_details.order_id  
group by orders.order_date) as sales;
```

|   | order_date | cum_revenue        |
|---|------------|--------------------|
| ▶ | 2015-01-01 | 2713.8500000000004 |
|   | 2015-01-02 | 5445.75            |
|   | 2015-01-03 | 8108.15            |
|   | 2015-01-04 | 9863.6             |
|   | 2015-01-05 | 11929.55           |
|   | 2015-01-06 | 14358.5            |
|   | 2015-01-07 | 16560.7            |
|   | 2015-01-08 | 19399.05           |
|   | 2015-01-09 | 21526.4            |
|   | 2015-01-10 | 23990.350000000002 |
|   | 2015-01-11 | 25862.65           |
|   | 2015-01-12 | 27781.7            |
|   | 2015-01-13 | 29831.300000000003 |
|   | 2015-01-14 | 32358.700000000004 |

# SPOTTED THE REVENUE ROYALTY IN EACH PIZZA CATEGORY- THE PIZZA KINGDOM'S ELITE!

```
select name, revenue from
(select category, name, revenue,
rank() over(partition by category order by revenue desc) as rn
from
(select pizza_types.category, pizza_types.name,
sum((orders_details.quantity) * pizzas.price) as revenue
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join orders_details
on orders_details.pizza_id = pizzas.pizza_id
group by pizza_types.category, pizza_types.name) as a) as b
where rn <= 3;
```

| name                         | 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 Hawaiian Pizza           | 32273.25           |
| The Pepperoni Pizza          | 30161.75           |
| The Spicy Italian Pizza      | 34831.25           |
| The Italian Supreme Pizza    | 33476.75           |
| The Sicilian Pizza           | 30940.5            |
| The Four Cheese Pizza        | 32265.700000000065 |
| The Mexicana Pizza           | 26780.75           |
| The Five Cheese Pizza        | 26066.5            |

Thank you for taking a 'slice' of humor with me in the pizza world! Let's keep the 'toppings' of laughter and 'cheese' of fun coming! Until next time, let's keep the 'pizza' jokes rolling!

