

FlameTown Pizza

Premium Pizza Innovation

Presented By:

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Introduction

Pizza has always been one of the most beloved dishes worldwide, combining simple ingredients with irresistible flavors. Our new product takes pizza to the next level by combining authentic techniques with modern culinary innovation. Designed for pizza lovers of all ages, our product delivers a superior taste experience that's both comforting and exciting.



Retrieve the total number of orders placed.

```
SELECT  
    COUNT(order_id) AS total_orders  
FROM  
    orders;
```

Result Grid	
	total_orders
▶	21350

Calculate the total revenue generated from pizza sales.

```
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

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;
```

Result Grid | Filter Rows

	name	price
▶	The Greek Pizza	35.95

Identify the most common pizza size ordered.

```
SELECT pizzas.size, COUNT(orders_details.order_details_id)
FROM pizzas
JOIN orders_details
ON pizzas.pizza_id = orders_details.pizza_id
GROUP BY pizzas.size;
```

	size	COUNT(orders_details.order_details_id)
▶	M	15385
	L	18526
	S	14137
	XL	544
	XXL	28

List the top 5 most ordered pizza types along with their quantities.

```
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

Join the necessary tables to find the total quantity of each pizza category ordered.

```
SELECT  
    pizza_types.category,  
    SUM(orders_details.quantity) as total_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 total_quantity desc;
```

	category	total_quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

Determine the distribution of orders by hour of the day.

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

Result Grid		
	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

Group the orders by date and calculate the average number of pizzas ordered per day.

```
SELECT round(AVG(quantity),0) AS avg_quantity
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;
```

avg_quantity
138

Determine the top 3 most ordered pizza types based on revenue.

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

	name	revenue
▶	The Greek Pizza	109.95
	The Italian Vegetables Pizza	50.5
	The Barbecue Chicken Pizza	50.25

Calculate the percentage contribution of each pizza type to total revenue.

```
SELECT
    pizza_types.category,
    ROUND(
        SUM(orders_details.quantity * pizzas.price) /
        (SELECT SUM(orders_details.quantity * pizzas.price)
         FROM orders_details
         JOIN pizzas
         ON orders_details.pizza_id = pizzas.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

Analyse the cumulative revenue generated over time.

```
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	2713.850000000004
	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	23990.35000000002
	2015-01-11	25862.65
	2015-01-12	27781.7
	2015-01-13	29831.30000000003
	2015-01-14	32358.70000000004
	2015-01-15	34343.5000000001
	2015-01-16	36937.6500000001
	2015-01-17	39001.7500000001

Determine the top 3 most ordered pizza types based on revenue for each pizza category.

```
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	32265.70000000065
	The Mexicana Pizza	26780.75
	The Five Cheese Pizza	26066.5

Thank you so much

We're excited to share our passion for pizza and hope you'll join us in bringing this flavorful journey to more tables around the world.

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