



Pizza Haven

Delicious Pizza's for everyone





PIZZA

Pizza Haven Sales Analysis



TOTAL NUMBER OF ORDERS PLACED.

```
SELECT  
    COUNT(order_id) AS Total_orders_placed  
FROM  
    orders
```

	Total_orders_placed
▶	21350

CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

SELECT

ROUND(SUM(o.quantity * p.price), 2) **AS** totalRevenue

FROM

order_details o

JOIN

pizzas p **ON** o.pizza_id = p.pizza_id

	totalRevenue
--	---------------------

▶	817860.05
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IDENTIFY THE HIGHEST-PRICED PIZZA.

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

	name
▶	The Greek Pizza

IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

```
SELECT  
    pizzas.size, COUNT(pizzas.size) AS total  
FROM  
    order_details  
        JOIN  
    pizzas ON order_details.pizza_id = pizzas.pizza_id  
GROUP BY pizzas.size  
ORDER BY total DESC  
LIMIT 1
```

	size	total
▼	L	18526

LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

```
SELECT
    pizza_types.name, SUM(order_details.quantity) AS total
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 total DESC
LIMIT 5
```

	name	total
▶	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371

FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED.

SELECT

```
    pizza_types.category, SUM(order_details.quantity) as total_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
```

	category	total_quantity
▶	Classic	14888
	Veggie	11649
	Supreme	11987
	Chicken	11050

CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.

```
with ct as(  
SELECT  
    SUM(order_details.quantity) as total , orders.order_date  
FROM  
    orders  
    JOIN  
    order_details ON orders.order_id = order_details.order_id  
    group by orders.order_date  
)  
select avg(total) as averageOrderPerDay from ct
```

	averageOrderPerDay
▶	138.4749

DETERMINE THE 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 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 revenue DESC  
  
LIMIT 3
```

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

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

```
with ct as (
SELECT
    pizza_types.category AS pizza,
    ROUND(SUM(order_details.quantity * pizzas.price),
          2) AS revenue
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
),ct2 as(
select round(sum(revenue),2) as total_revenue from ct)
select pizza, (revenue/total_revenue)*100 as percentage from ct cross join ct2
```

	pizza	percentage
▶	Classic	26.905960255669658
	Veggie	23.682590927384215
	Supreme	25.45631126009884
	Chicken	23.955137556847287

ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.

```
select order_date,round(sum(revenue) over( order by order_date ) ,2)as cumulative_revenue from
(
SELECT
    orders.order_date,
    ROUND(SUM(order_details.quantity * pizzas.price),
          2) as revenue
FROM
    order_details
        JOIN
    pizzas ON order_details.pizza_id = pizzas.pizza_id
        JOIN
    orders ON orders.order_id = order_details.order_id
GROUP BY orders.order_date) as sales
```

order_date	cumulative_revenue
2015-01-01	2713.85
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	23990.35
2015-01-11	25862.65
2015-01-12	27781.7
2015-01-13	29831.3
2015-01-14	32358.7
2015-01-15	34343.5
2015-01-16	36937.65
2015-01-17	39001.75
2015-01-18	40978.6
2015-01-19	43365.75
2015-01-20	45763.65
2015-01-21	47804.2
2015-01-22	50300.9
2015-01-23	52724.6
2015-01-24	55013.85
2015-01-25	56631.4
2015-01-26	58515.8
2015-01-27	61043.85

and so on...

DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY.

```
with ct2 as(  
WITH ct as(  
SELECT  
    pizza_types.category as category,  
    pizza_types.name,  
    round(SUM(order_details.quantity * pizzas.price),2) AS sales  
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,pizza_types.category  
order by pizza_types.category)  
select *,rank() over(partition by category order by sales desc) as rn  from ct)  
select * from ct2 where rn<=3
```

	category	name	sales	rn
▶	Chicken	The Thai Chicken Pizza	43434.25	1
	Chicken	The Barbecue Chicken Pizza	42768	2
	Chicken	The California Chicken Pizza	41409.5	3
	Classic	The Classic Deluxe Pizza	38180.5	1
	Classic	The Hawaiian Pizza	32273.25	2
	Classic	The Pepperoni Pizza	30161.75	3
	Supreme	The Spicy Italian Pizza	34831.25	1
	Supreme	The Italian Supreme Pizza	33476.75	2
	Supreme	The Sicilian Pizza	30940.5	3
	Veggie	The Four Cheese Pizza	32265.7	1
	Veggie	The Mexicana Pizza	26780.75	2
	Veggie	The Five Cheese Pizza	26066.5	3