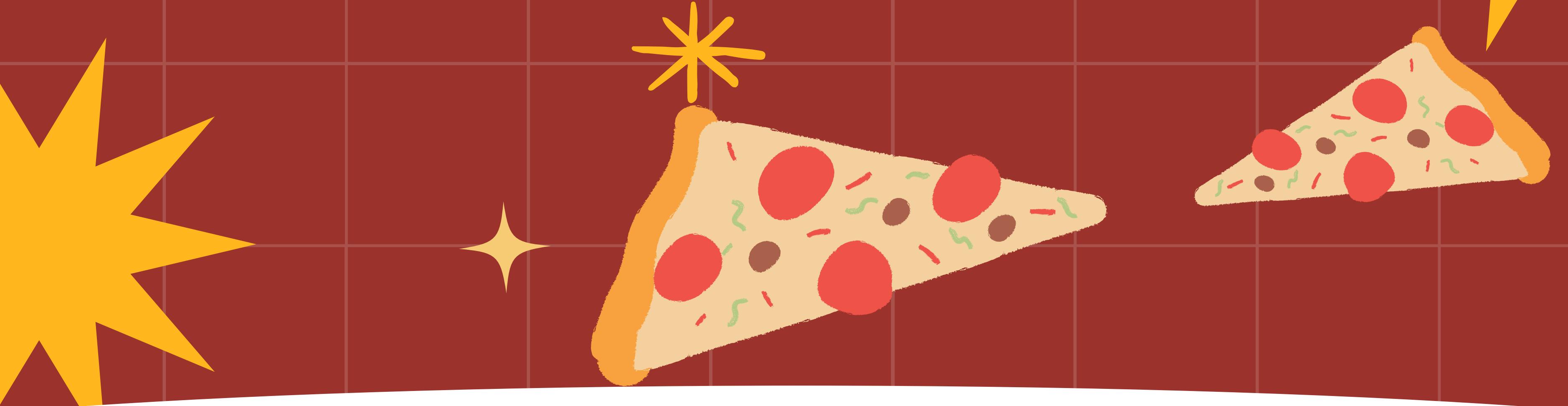


SQL PROJECT ON PIZZA SALES

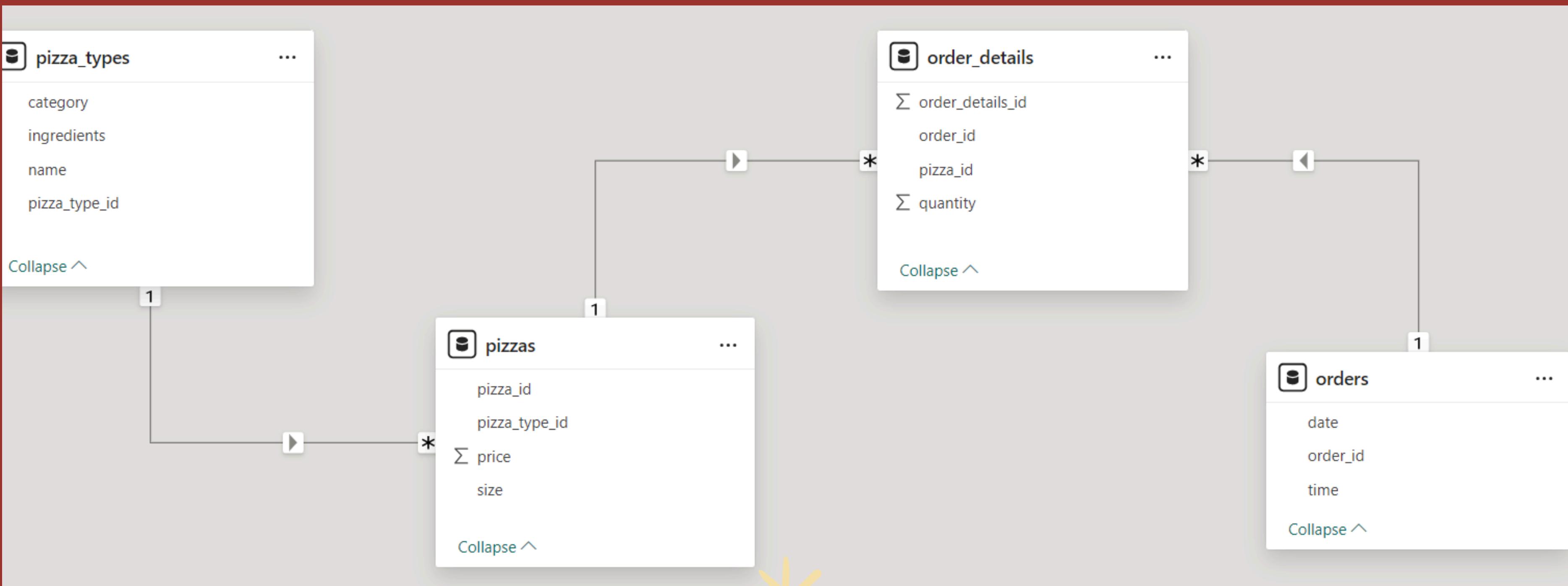


A cartoon illustration of a man with a green baseball cap and a yellow striped shirt. He is holding a slice of pizza with several toppings in his hands and is taking a bite. There are yellow starburst shapes around him, suggesting he is very happy or excited.

Welcome to the PiZZaVilla!!

My name is Ayush,
I am a aspiring Data Analyst.
In this project I have analyzed
the sales data of our pizza store
using various
SQL queries

INTRODUCTION TO DATABASE

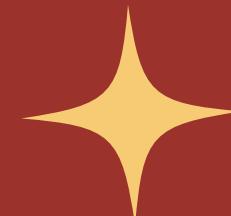
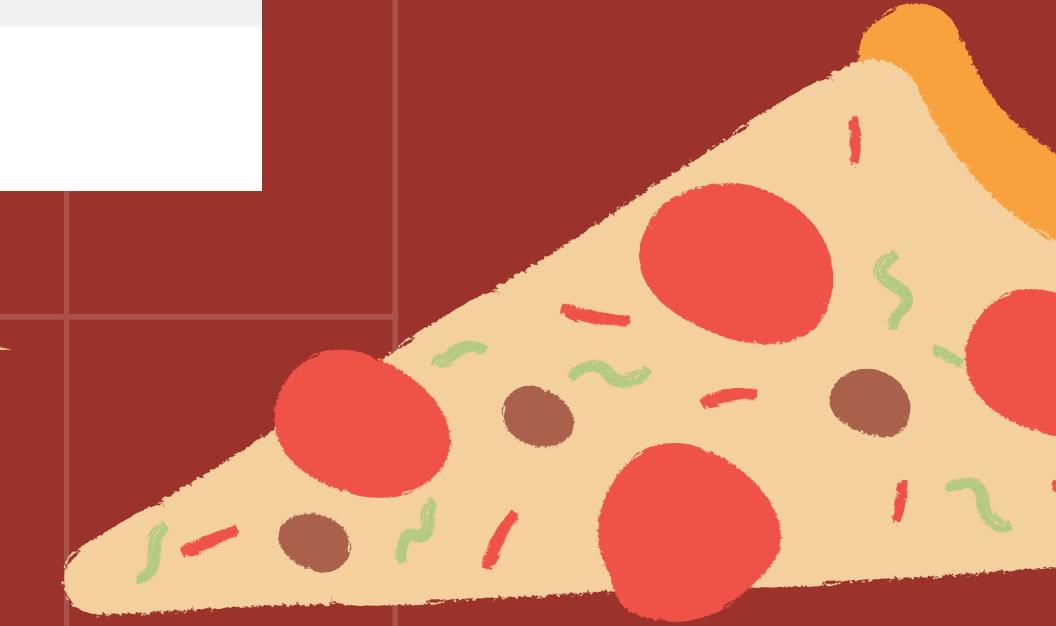


Let's start our adventure in the world of pizza!

THE TOTAL NUMBER OF ORDERS PLACED

```
SELECT count(*)as total_orders  
FROM pizzahut.orders;
```

Result Grid	
	total_orders
▶	21350



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 pizzas.pizza_id = order_details.pizza_id
```



total_sales
817860.05

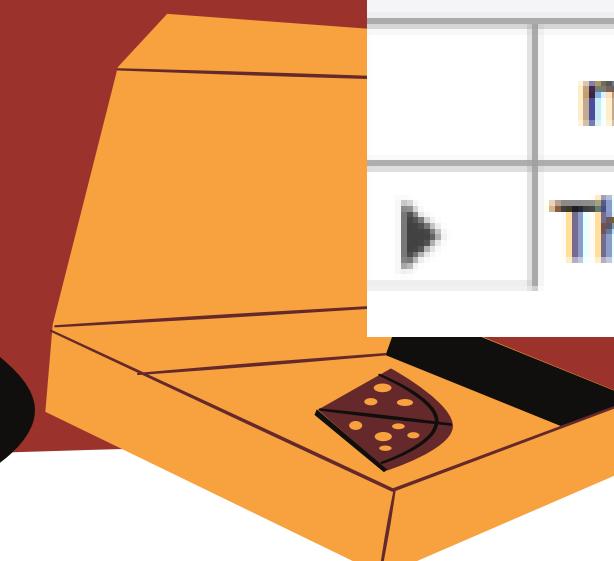


THE HIGHEST-PRICED PIZZA.

```
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:

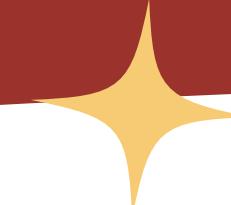
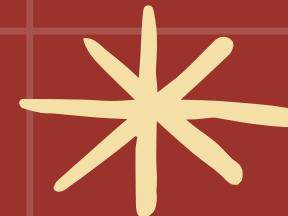
	name	price
▶	The Greek Pizza	35.95



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 ;
```



Result Grid | Filter Rows:

	name	quantity
1	The Classic Deluxe Pizza	2453
2	The Barbecue Chicken Pizza	2432
3	The Hawaiian Pizza	2422
4	The Pepperoni Pizza	2418
5	The Thai Chicken Pizza	2371



FIND THE 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

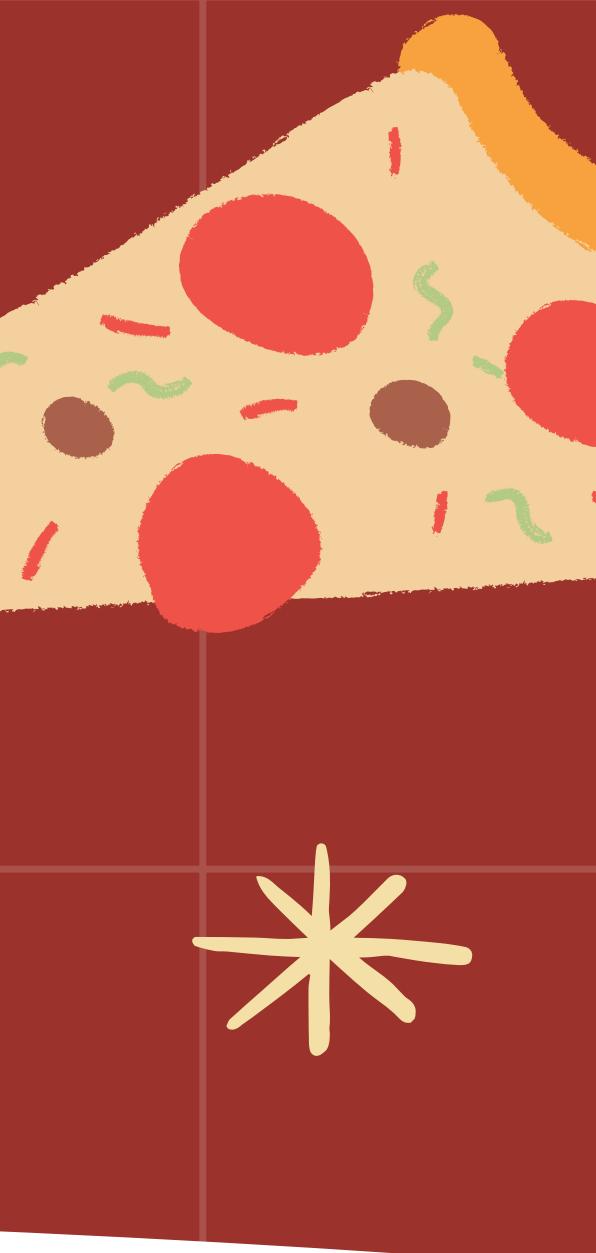


THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

```
select hour(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



THE CATEGORY-WISE DISTRIBUTION OF PIZZAS

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

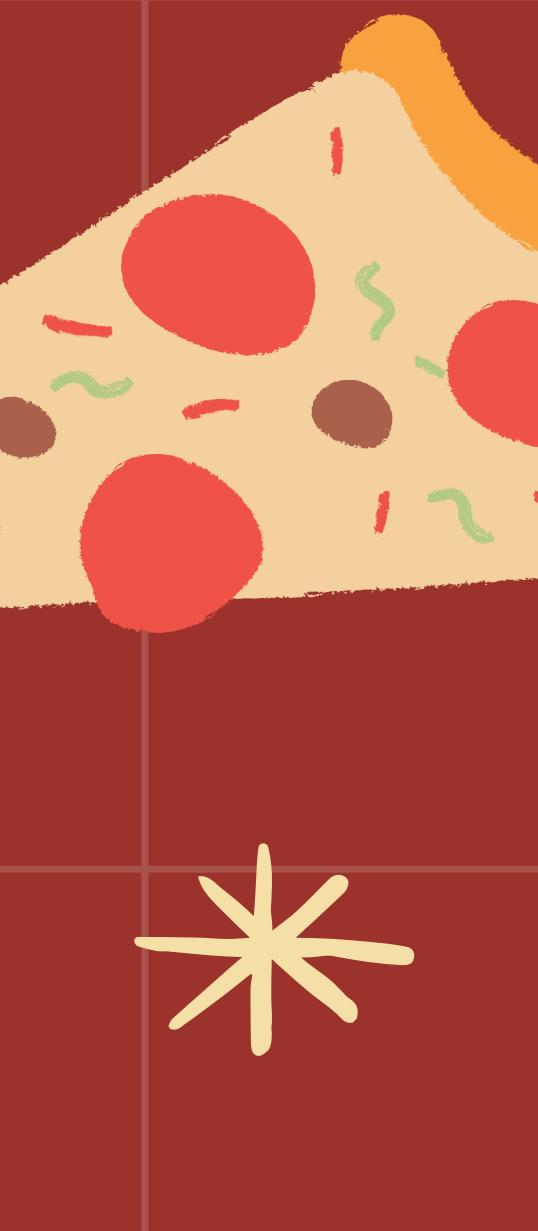
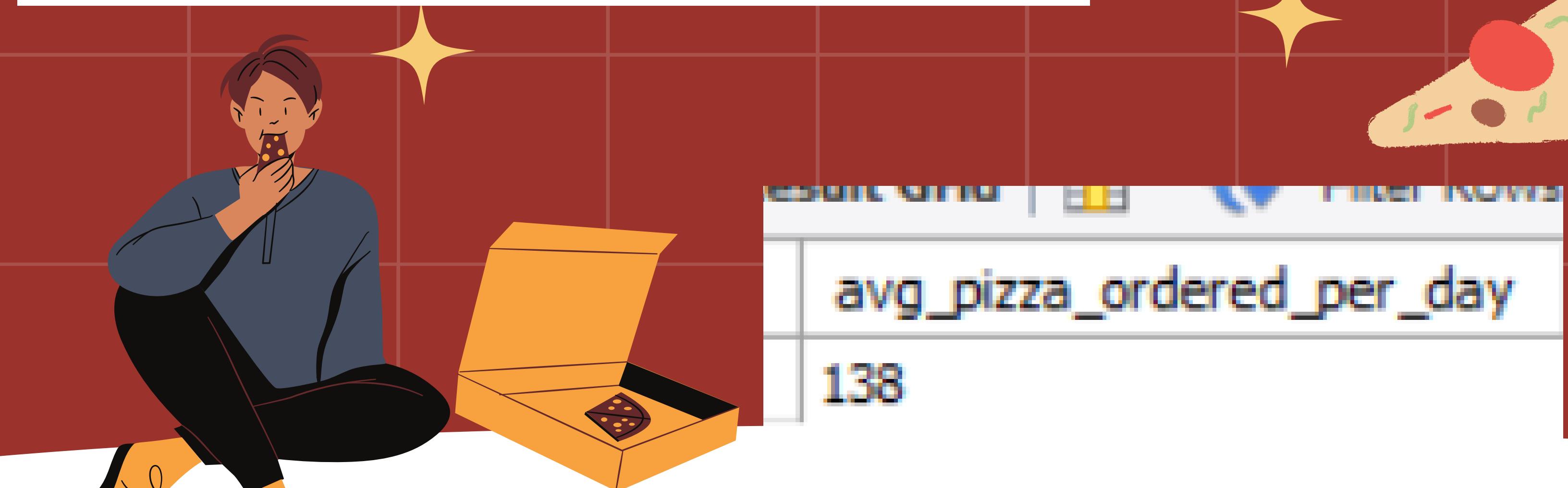


	category	count(name)
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9



ORDERS BY DATE AND THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.

```
select round(avg(quantity),0) as avg_pizza_ordered_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 ;
```



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 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.

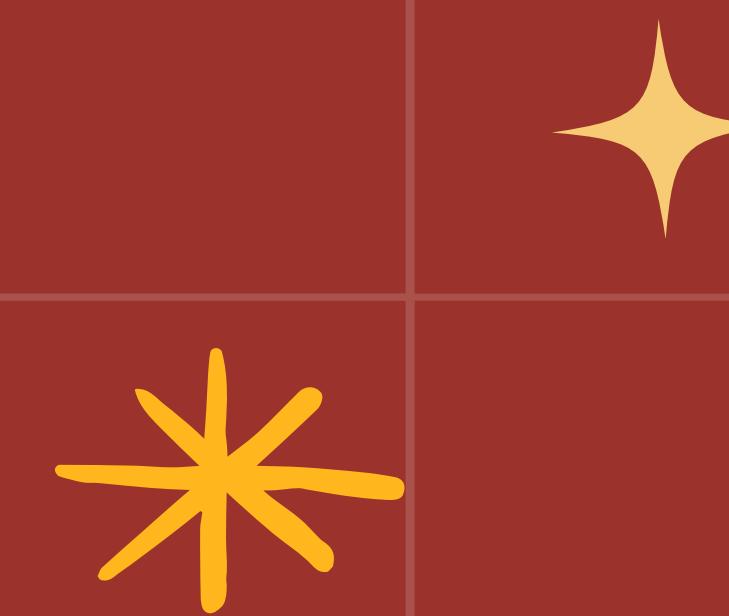
```
select pizza_types.category ,  
round(sum(order_details.quantity * pizzas.price) / (select  
round(sum(order_details.quantity*pizzas.price), 2 ) AS total_sales  
from order_details  
join pizzas ON |  
pizzas.pizza_id = order_details.pizza_id)*100,2) as revenue  
from pizza_types join pizzas  
on pizza_types.pizza_type_id= pizzas.pizza_type_id  
join order_details  
on order_details.pizza_id = pizzas.pizza_id  
group by pizza_types.category order by revenue desc ;
```

category	revenue
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 orders.order_date,  
sum(order_details.quantity * pizzas.price) 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|
```



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	34343.50000000001
2015-01-16	36937.65000000001
2015-01-17	39001.75000000001
2015-01-18	40978.60000000006
2015-01-19	43365.75000000001
2015-01-20	45763.65000000001
2015-01-21	47804.20000000001
2015-01-22	50300.90000000001
2015-01-23	52724.60000000006
2015-01-24	55013.85000000006
2015-01-25	56631.40000000001
2015-01-26	58515.80000000001
2015-01-27	61043.85000000001



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((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.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

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Or

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