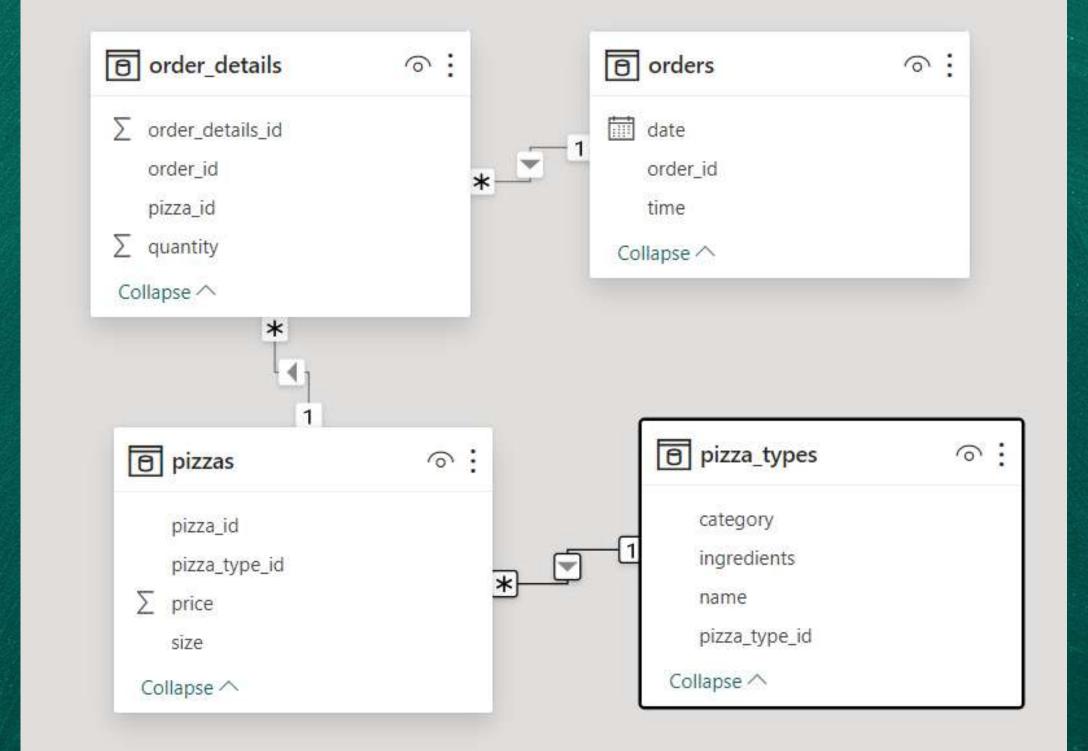




This project looks at pizza sales numbers to find out how well the restaurant is doing and what trends there are. It wants to use this information to make smarter decisions and plan better for the future.











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

```
select category, name, revenue from

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

	category	name	revenue
•	Chicken	The Chicken Pesto Pizza	16701.75
	Chicken	The Chicken Alfredo Pizza	16900.25
	Chicken	The Southwest Chicken Pizza	34705.75
	Classic	The Pepperoni, Mushroom, and Peppers Pizza	18834.5
	Classic	The Big Meat Pizza	22968
	Classic	The Napolitana Pizza	24087
	Supreme	The Brie Carre Pizza	11588.4999999999
	Supreme	The Spinach Supreme Pizza	15277.75
	Supreme	The Calabrese Pizza	15934.25
	Veggie	The Green Garden Pizza	13955.75
	Veggie	The Mediterranean Pizza	15360.5
	Veggie	The Spinach Pesto Pizza	15596





2. ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.

```
select date , sum(revenue) over ( order by date) as cum_revenue from

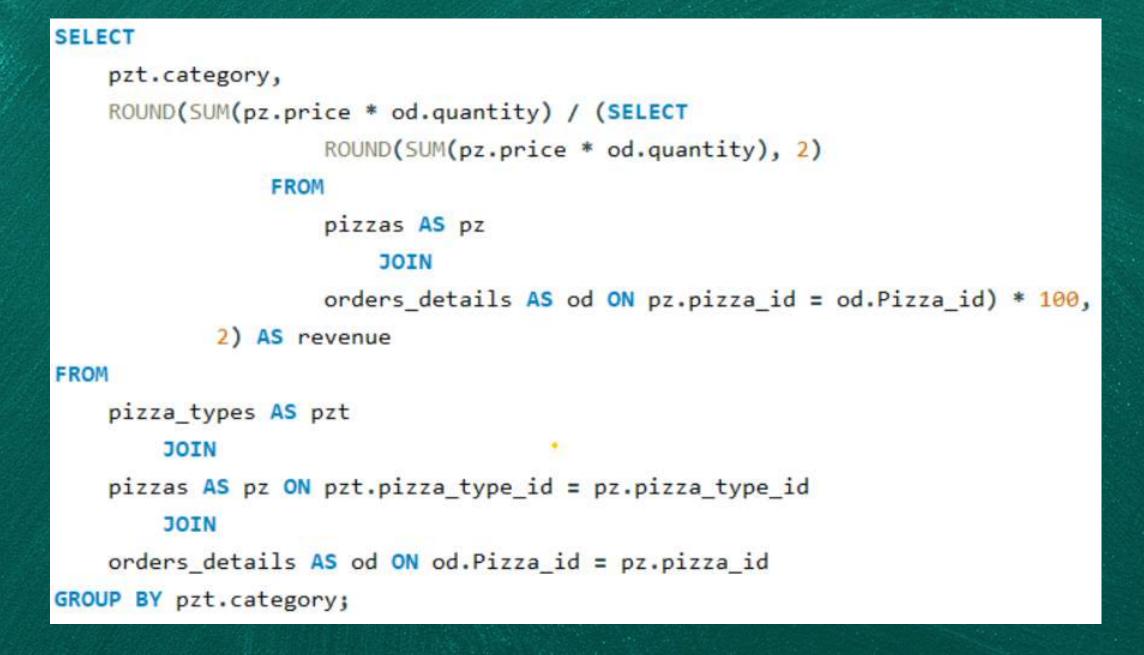
(select o.order_date as date , sum(pz.price* od.quantity) as Revenue from orders_details as od
join pizzas as pz
on pz.pizza_id = od.pizza_id
join orders as o
on od.order_id = o.order_id
group by date) as sales;
date cum_revenue
```

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	23990.3500000000002
2015-01-11	25862.65
2015-01-12	27781.7
2015-01-13	29831.300000000003
2015-01-14	32358.700000000004
2015-01-15	34343,50000000001
2015-01-16	36937.65000000001
2015-01-17	39001.75000000001
2015-01-18	40978 60000000000





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





category	revenue
Classic	26.91
Veggie	23.68
Supreme	25.46
Chicken	23.96



4. DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON

REVENUE..

```
SELECT
    pzt.name,
    ROUND(SUM(pz.price * od.quantity), 2) AS total_sales
FROM
    pizza_types AS pzt
        JOIN
    pizzas AS pz ON pz.pizza_type_id = pzt.pizza_type_id
        JOIN
    orders_details AS od ON pz.pizza_id = od.Pizza_id
GROUP BY pzt.name
ORDER BY total_sales DESC
LIMIT 3;
```



name	total_sales
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5



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

```
SELECT

ROUND(AVG(quantity), 0) as Average_order

FROM

(SELECT

o.order_date AS date, SUM(od.quantity) AS quantity

FROM

orders AS o

JOIN orders_details AS od ON o.order_id = od.order_id

GROUP BY date) AS order_quantity;
```

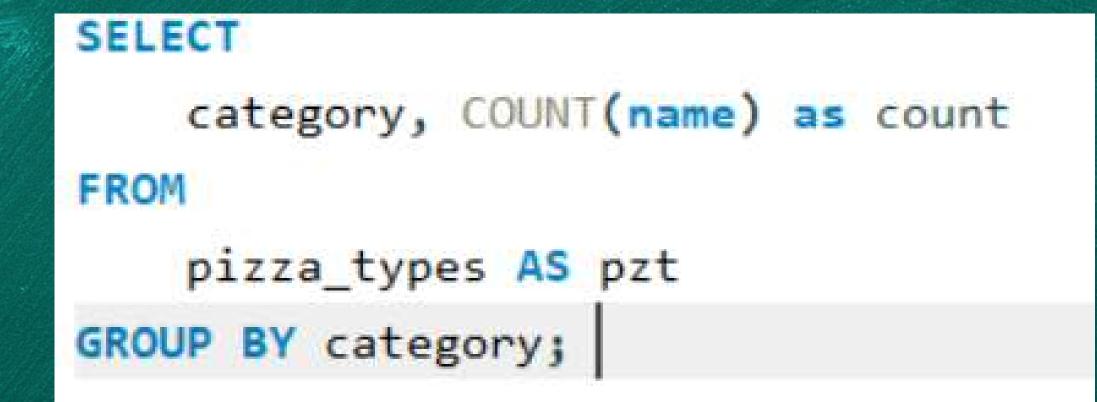
Average_order

138





6. JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS



category	count
Chicken	6
Classic	8
Supreme	9
Veggie	9







7. 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

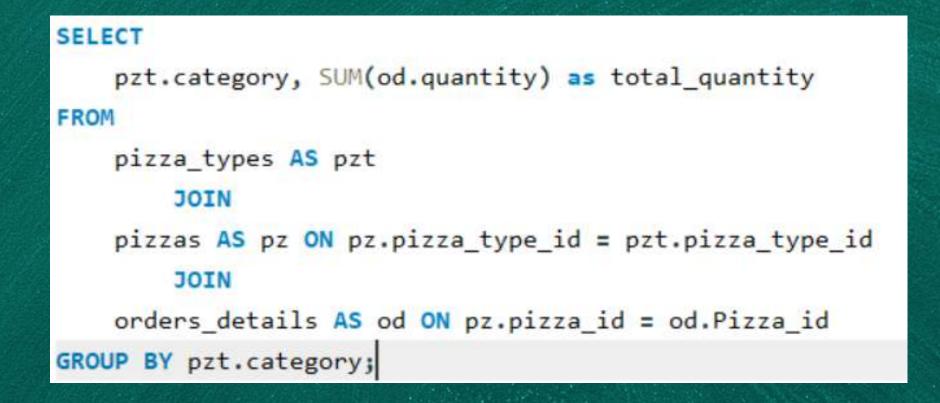
order by hour;

hour	order_count
9	1
10	8
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





8. JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED



total_quantity
14888
11649
11987
11050





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

QUANTITIES

```
pzt.name, SUM(od.quantity) AS max_order

FROM

pizza_types AS pzt

JOIN

pizzas AS pz ON pz.pizza_type_id = pzt.pizza_type_id

JOIN

orders_details AS od ON od.Pizza_id = pz.pizza_id

GROUP BY pzt.name

ORDER BY max_order DESC

LIMIT 5;
```

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





10. IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

```
pz.size, COUNT(od.order_details_id) AS Total_order

FROM

   pizzas AS pz
        JOIN
      orders_details AS od ON od.Pizza_id = pz.pizza_id

GROUP BY pz.size

ORDER BY total_order DESC;
```

size	Total_order
L	18526
М	15385
S	14137
XL	544
XXL	28







11. IDENTIFY THE HIGHEST-PRICED PIZZA.

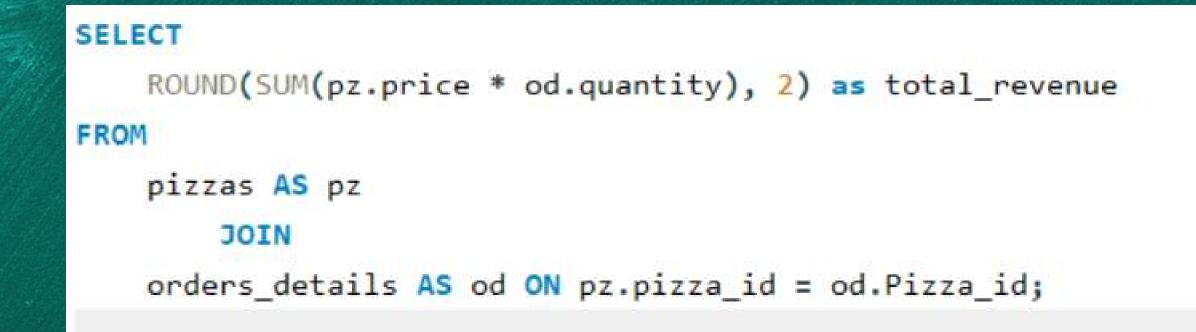
```
SELECT
    pzt.name, pz.price
FROM
    pizzas AS pz
        JOIN
    pizza_types AS pzt ON pzt.pizza_type_id = pz.pizza_type_id
ORDER BY pz.price DESC
LIMIT 1;
```

name	price
The Greek Pizza	35.95





12. CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.



total_revenue 817860.05





13. RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED



COUNT(order_id) AS total_orders

FROM

orders;

total_orders

21350









PORTFOLIO - CLICK HERE



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