

Where Every Slice is a Taste of Perfection

SQL PROJECT ON PIZZA SALES

ORDER
NOW

Start Your Slide



RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.



```
SELECT  
    COUNT(order_id) AS TOTAL_ORDER  
FROM  
    pizza.orders;
```

	TOTAL_ORDER
▶	21350

CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

```
SELECT  
    SUM(order_details.quantity * pizzas.price) AS total_Revenue  
FROM  
    order_details  
    JOIN  
    pizzas ON pizzas.pizza_id = order_details.pizza_id;
```

	total_Revenue
▶	817860.049999993



IDENTIFY THE HIGHEST-PRICED PIZZA.



ORDER
NOW

SELECT

pizzas.pizza_id, pizzas.price

FROM

pizzas

ORDER BY price DESC

LIMIT 1;

	pizza_id	price
▶	the_greek_xxL	35.95

IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.



```
SELECT
    pizzas.size,
    SUM(order_details.quantity) AS Common_Ordered_Pizzas
FROM
    pizzas
    JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY Common_Ordered_Pizzas DESC;
```

	size	Common_Ordered_Pizzas
▶	L	18956
	M	15635
	S	14403
	XL	552
	XXL	28

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

SELECT

```
    pizza_types.pizza_type_id,  
    SUM(order_details.quantity) AS top5  
FROM  
    pizzas  
    JOIN  
    order_details ON pizzas.pizza_id = order_details.pizza_id  
    JOIN  
    pizza_types ON pizzas.pizza_type_id = pizza_types.pizza_type_id  
GROUP BY pizza_types.pizza_type_id  
ORDER BY top5 DESC  
LIMIT 5;
```



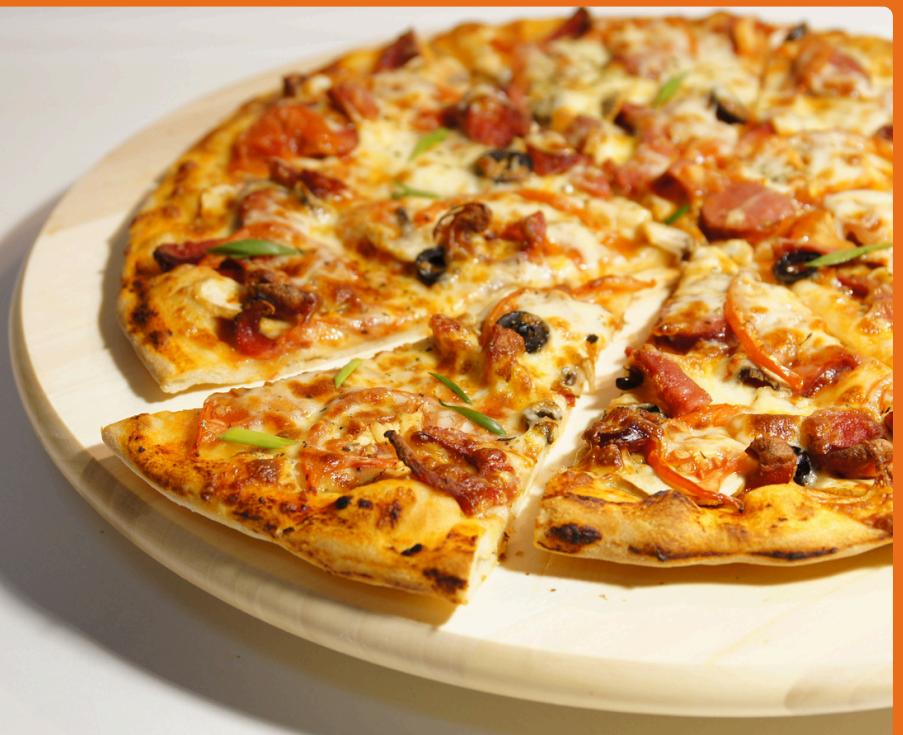
Result Grid | Filter Rows:

	pizza_type_id	top5
▶	dassic_dlx	2453
	bbq_ckn	2432
	hawaiian	2422
	pepperoni	2418
	thai_dkn	2371

THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED.

```
SELECT pizza_types.category, SUM(order_details.quantity) AS total_quantity  
FROM pizzas  
JOIN order_details ON pizzas.pizza_id = order_details.pizza_id  
JOIN pizza_types ON pizzas.pizza_type_id = pizza_types.pizza_type_id  
GROUP BY pizza_types.category  
ORDER BY total_quantity;
```

	category	total_quantity
▶	Chicken	11050
	Veggie	11649
	Supreme	11987
	Classic	14888



DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

```
SELECT  
    HOUR(orders.order_time) AS hours,  
    COUNT(orders.order_id)  
FROM  
    orders  
GROUP BY hours  
ORDER BY hours;
```

	hours	count(orders.order_id)
▶	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



FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

SELECT

 pizza_types.category, COUNT(name) AS Types_of_pizza

FROM

 pizza_types

GROUP BY pizza_types.category

ORDER BY Types_of_pizza;



	category	Types_of_pizza
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9

CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY

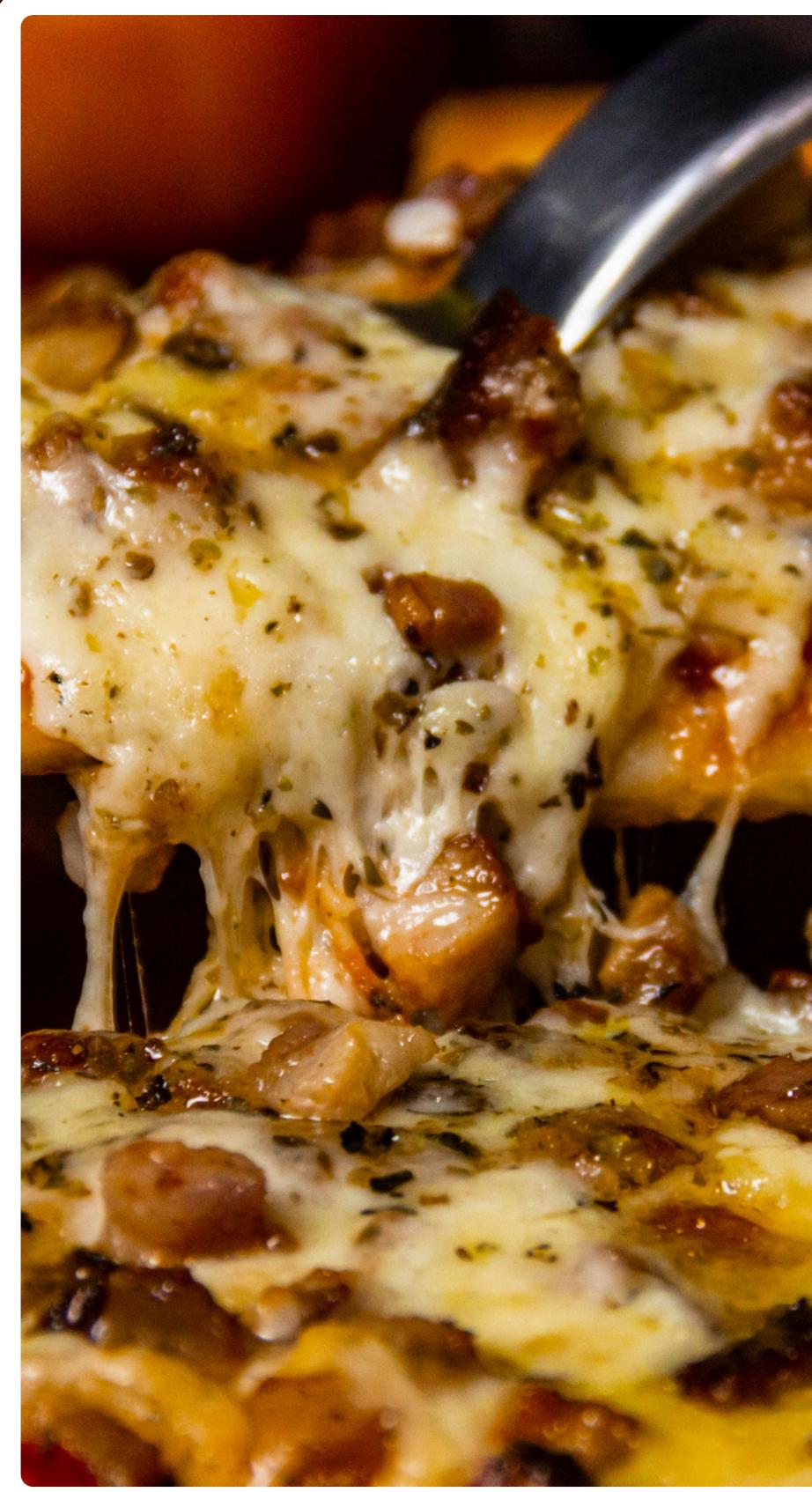
```
SELECT  
    AVG(number_ofpizzas) AS Average  
FROM  
    (SELECT  
        DATE(orders.order_date) AS date,  
        SUM(order_details.quantity) AS number_ofpizzas  
    FROM  
        orders  
    JOIN order_details ON order_details.order_id = orders.order_id  
    GROUP BY date) AS pizza_ordered;
```

	Average	
▶	138.4749	

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

```
SELECT  
    pizza_types.pizza_type_id,  
    SUM(order_details.quantity * pizzas.price) AS total_Revenue  
FROM  
    order_details  
        JOIN  
    pizzas ON pizzas.pizza_id = order_details.pizza_id  
        JOIN  
    pizza_types ON pizzas.pizza_type_id = pizza_types.pizza_type_id  
GROUP BY pizza_types.pizza_type_id  
ORDER BY total_Revenue DESC  
LIMIT 3;
```

	pizza_type_id	total_Revenue
▶	thai_dkn	43434.25
	bbq_dkn	42768
	cali_dkn	41409.5



PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.

```
SELECT pizza_types.category ,  
       (SUM(order_details.quantity*pizzas.price) *100/(SELECT SUM(order_details.quantity*pizzas.price))  
FROM order_details  
JOIN pizzas  
ON pizzas.pizza_id=order_details.pizza_id)) AS revenue_percentage  
FROM order_details  
JOIN pizzas  
ON pizzas.pizza_id=order_details.pizza_id  
JOIN pizza_types  
ON pizza_types.pizza_type_id = pizzas.pizza_type_id group by category;
```

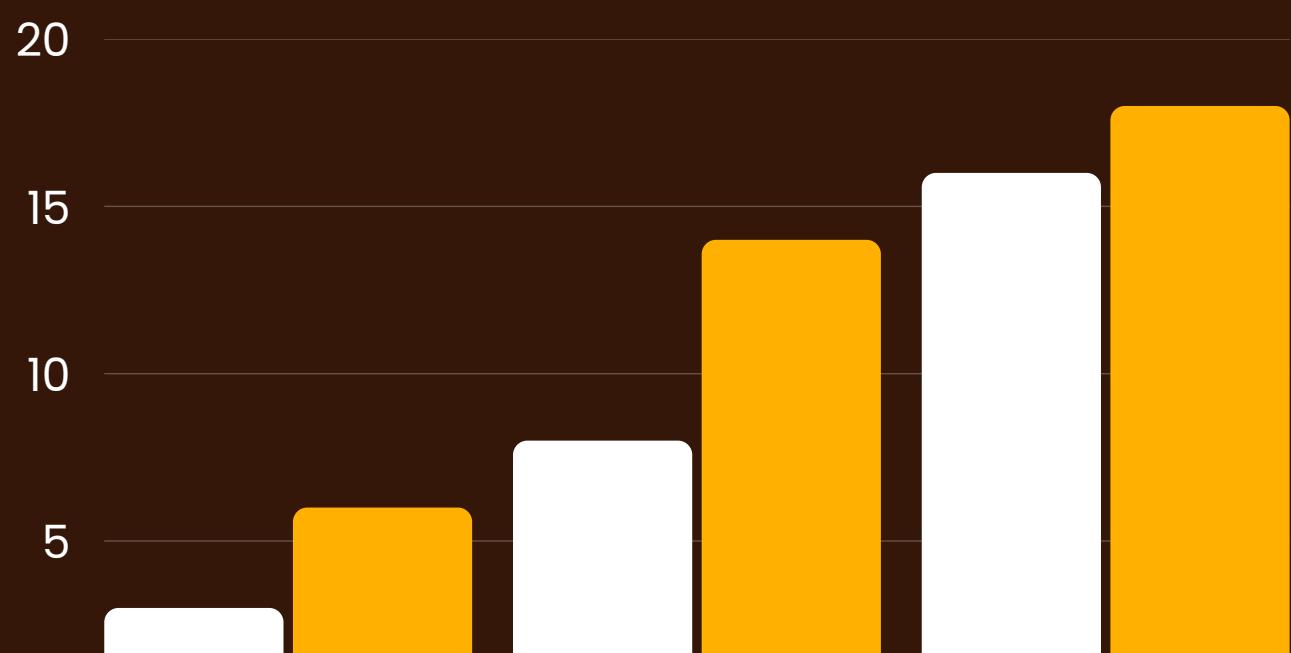
	category	revenue_percentage
▶	Classic	26.9059602556699
+128	Veggie	23.682590927384783
	Supreme	25.45631126009884
	Chicken	23.955137556847493

ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME

SELECT

```
HOUR(orders.order_time) AS hour,  
SUM(SUM(order_details.quantity * pizzas.price))  
    OVER (ORDER BY HOUR(orders.order_time)) AS cumulative_revenue  
FROM order_details  
JOIN pizzas  
    ON pizzas.pizza_id = order_details.pizza_id  
JOIN orders  
    ON orders.order_id = order_details.order_id  
GROUP BY hour  
ORDER BY hour;
```

● Series 1 ● Series 2



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

```
SELECT name, revenue, category 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 order_details
JOIN pizzas
ON pizzas.pizza_id=order_details.pizza_id
JOIN pizza_types
ON pizza_types.pizza_type_id = pizzas.pizza_type_id
group by category, name) as a) as b
where rn<=3;
```

	name	revenue	category
▶	The Thai Chicken Pizza	43434.25	Chicken
	The Barbecue Chicken Pizza	42768	Chicken
	The California Chicken Pizza	41409.5	Chicken
	The Classic Deluxe Pizza	38180.5	Classic
	The Hawaiian Pizza	32273.25	Classic
	The Pepperoni Pizza	30161.75	Classic
	The Spicy Italian Pizza	34831.25	Supreme
	The Italian Supreme Pizza	33476.75	Supreme
	The Sicilian Pizza	30940.5	Supreme
	The Four Cheese Pizza	32265.70000000065	Veggie
	The Mexicana Pizza	26780.75	Veggie
	The Five Cheese Pizza	26066.5	Veggie



Pizza SalesPresentation

THANK YOU
FOR ATTENTION

See You Next

<https://github.com/SehrAQureshi>