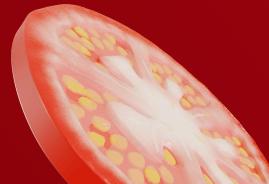


SQL PROJECT ON PIZZA SALES



This project demonstrates SQL based analysis of pizza sales to extract auctionable business insights from a structured dataset.



TOTAL NUMBER OF ORDERS PLACED

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

OUTPUT

	Total_Orders
▶	21350



TOTAL REVENUE GENERATED FROM PIZZA SALES

```
SELECT  
    ROUND(SUM(order_details.quantity * pizzas.price),  
          2) AS Total_Sales  
FROM  
    order_details  
    JOIN  
    pizzas ON order_details.pizza_id = pizzas.pizza_id;
```

OUTPUT

	Total_Sales
▶	817860.05



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;

OUTPUT

	name	price
▶	The Greek Pizza	35.95

MOST COMMON PIZZA SIZE ORDERED

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 3;

OUTPUT

	name	Quantity
▶	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422

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;
```

OUTPUT

	category	Quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050



DISTRIBUTION OF ORDERS BY HOUR OF THE DAY

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

OUTPUT

	HOUR(order_time)	COUNT(order_id)
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399



CATEGORY WISE DISTRIBUTION OF PIZZAS

```
SELECT  
    category, COUNT(name)  
FROM  
    pizza_types  
GROUP BY category;
```

OUTPUT

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

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;

OUTPUT

	Avg_pizza_ordered_per_day
▶	138

TOP 3 MOST ORDERED PIZZAS 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;
```

OUTPUT

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

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  
        GROUP BY orders.order_date) AS Sales;
```

OUTPUT

	order_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

THANK YOU!

