



Sql Project on Pizza sales



Introduction

Welcome to the flavorful world of pizza sales analysis! In today's dynamic market, where culinary preferences intertwine with consumer behavior, understanding the nuances of pizza sales is essential for businesses to thrive. This project takes a deep dive into the realm of pizza sales using the powerful tools of SQL (Structured Query Language) to unravel insights, trends, and patterns hidden within the data.



Calculate the total revenue generated from pizza sales.

```
select round(sum(price*quantity)) from pizzas  
join order_details  
on pizzas.pizza_id = order_details.pizza_id;
```

	round(sum(price*quantity))
→	817860



Identify the most common pizza size ordered.

```
select size, count(order_details_id) as order_count from pizzas  
join order_details  
on order_details.pizza_id = pizzas.pizza_id  
group by pizzas.size order by count(order_details_id) desc limit 1;
```

	size	order_count
▶	L	18526



List the top 5 most ordered pizza types along with their quantities.

```
select name ,sum(quantity)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 name order by sum(quantity) desc limit 5;
```

	name	sum(quantity)
▶	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371



Join the necessary tables to find the total quantity of each pizza category ordered.

```
select category ,sum(quantity)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 category;
```

	category	sum(quantity)
▶	Classic	14888
	Veggie	11649
	Supreme	11987
	Chicken	11050



Determine the distribution of orders by hour of the day.

```
select hour(order_time),count(order_id) from orders  
group by hour(order_time);
```

	hour(order_time)	count(order_id)
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468

Result 50 ×



Calculate the percentage contribution of each pizza type to total revenue.

```
select category , (sum(price * quantity)/(select round(sum(price*quantity)) from pizzas  
join order_details  
on pizzas.pizza_id = order_details.pizza_id))*100 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 category order by sum(price * quantity) desc;
```

	category	revenue
▶	Classic	27
	Supreme	25
	Chicken	24
	Weggie	24



Analyze the cumulative revenue generated over time.

```
select order_date , sum(revenue) over(order by order_date)
from
(select order_date,sum(price * quantity) as revenue from pizzas
join order_details
on pizzas.pizza_id = order_details.pizza_id
join orders
on orders.order_id = order_details.order_id
group by order_date) as sales;
```

	order_date	sum(revenue) over(order by order_date)
▶	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





Thank you!



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