

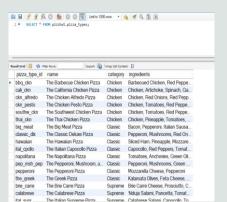
Pizza Sale Data Analysis Project

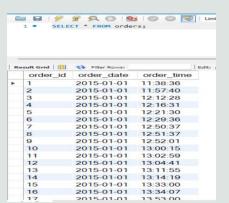
Name- Akash Gunjal

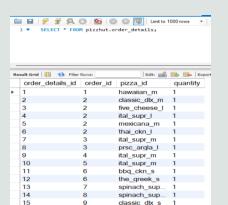


Introduction

- This project is to design the DB Tables, load the data into DB and to solve the questions related data analysis of pizza sale using sql queries.
- Also visualize in power BI where It help to understand the insights of the data very clearly.





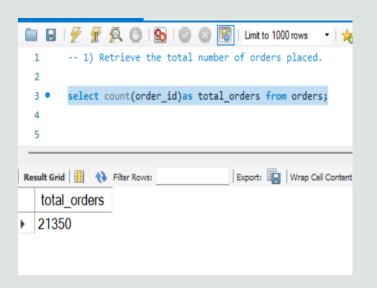


		OM pizzas;		Limit to 100	0 rows 💌
Re	sult Grid 🔠 🙌 Fib	er Rowsi		porti 📳	Wrap Cell C
	pizza_id	pizza_type_id	size	price	
۰	bbg ckn s	bba ckn	S	12.75	
	bbq ckn m	bbq_ckn	M	16.75	
	bbq_ckn_l	bbq_ckn	L	20.75	
	cali_ckn_s	cali_ckn	S	12.75	
	cali ckn m	cali ckn	М	16.75	
	cali_ckn_l	cali_ckn	L	20.75	
	ckn_alfredo_s	ckn_alfredo	S	12.75	
	ckn_alfredo_m	ckn_alfredo	M	16.75	
	ckn_alfredo_l	ckn_alfredo	L	20.75	
	ckn_pesto_s	ckn_pesto	S	12.75	
	ckn_pesto_m	ckn_pesto	M	16.75	
	ckn_pesto_l	ckn_pesto	L	20.75	
	southw_ckn_s	southw_ckn	S	12.75	
	southw_ckn_m	southw_ckn	M	16.75	
	southw_ckn_l	southw_ckn	L	20.75	
	thai aka a	thai aka	c	10.75	





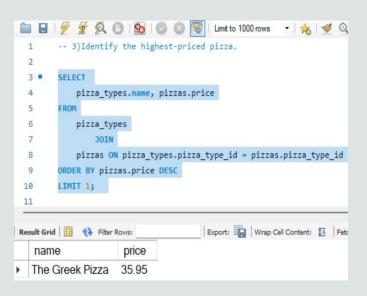
1) Retrieve the total number of orders placed.



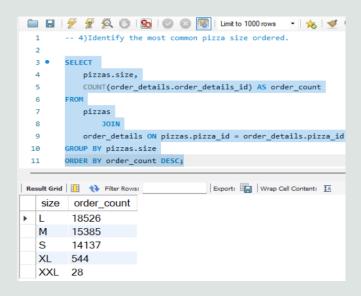
2)Calculate the total revenue generated from pizza sales.



3)Identify the highest-priced pizza.

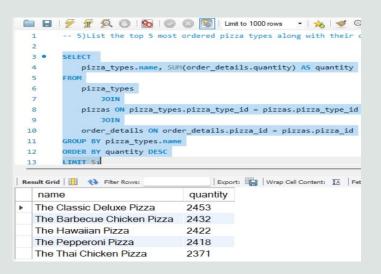


4)Identify the most common pizza size ordered.





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

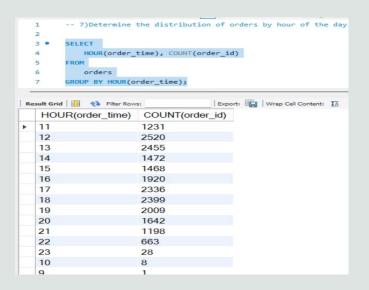


6) Join the necessary tables to find the total quantity of each pizza category ordered.

```
-- 6)Join the necessary tables to find the total quantity
               of each pizza category ordered.
        SELECT
            pizza types.category,
            SUM(order_details.quantity) AS quantity
         FROM
            pizza_types
            pizzas ON pizza types.pizza type id = pizzas.pizza type id
10
                JOIN
            order details ON order details.pizza id = pizzas.pizza id
11
12
        GROUP BY pizza types.category
        ORDER BY quantity DESC;
13
Result Grid | Filter Rows:
                                         Export: Wrap Cell Content: $\frac{1}{4}
   category
               quantity
              14888
  Classic
  Supreme
              11987
              11649
  Veggie
  Chicken
              11050
```



7)Determine the distribution of orders by hour of the day.

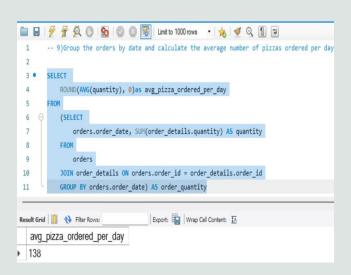


8) Join relevant tables to find the category-wise distribution of pizzas.

```
-- 8)Join relevant tables to find the category-wise distribution of pizzas
  2
        SELECT
  3 •
            category, COUNT(name)
            pizza_types
        GROUP BY category;
Result Grid
             Filter Rows:
                                       Export: Wrap Cell Content: TA
              COUNT(name)
   category
  Chicken
  Classic
  Supreme
  Veggie
```



9)Group the orders by date and calculate the average number of pizzas ordered per day.

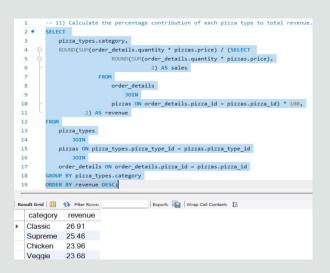


10)Determine the top 3 most ordered pizza types based on revenue.

```
-- 10)Determine the top 3 most ordered pizza types based on revenue
        SELECT
           pizza types.name,
           SUM(order_details.quantity * pizzas.price) AS revenue
           pizza_types
           pizzas ON pizzas.pizza type id = pizza types.pizza type id
 10
 11
           order_details ON order_details.pizza_id = pizzas.pizza_id
 12
        GROUP BY pizza types.name
 13
         RDER BY revenue DESC limit 3;
Export: Wrap Cell Content: A Fetch rows
   name
                                revenue
 The Thai Chicken Pizza
                                43434 25
  The Barbecue Chicken Pizza
                                42768
  The California Chicken Pizza
                                41409.5
```



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

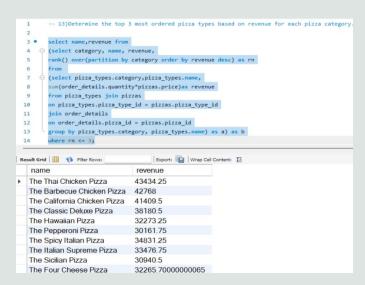


12)Analyze the cumulative revenue generated over time.

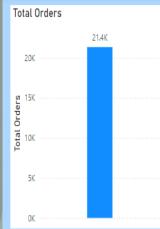
```
-- 12) Analyze the cumulative revenue generated over time.
       select order_date,
        sum(revenue) over (order by order_date) as cum_revenue
       (select orders.order_date, sum(order_details.quantity * pizzas.price) as revenue
       from order_details join pizzas on order_details.pizza_id = pizzas.pizza_id
       on orders.order_id = order_details.order_id
       group by orders.order_date)as sales
                                   Export: Wrap Cell Content: IA
order_date
              cum_revenue
 2015-01-01 2713 85000000000004
  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 29831.3000000000003
```

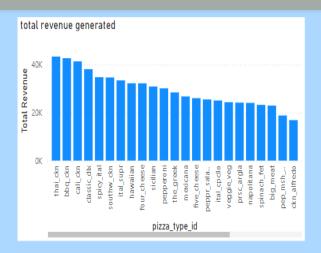


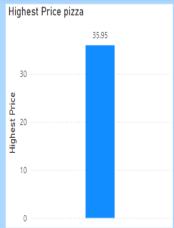
13)Determine the top 3 most ordered pizza types based on revenue for each pizza category.

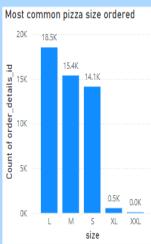


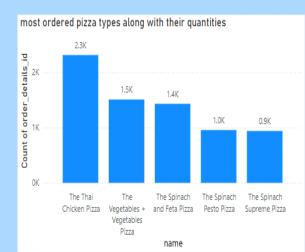


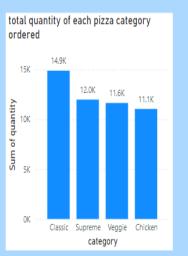




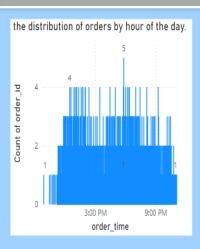


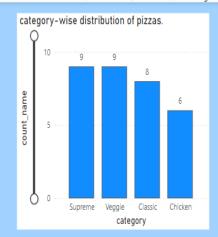




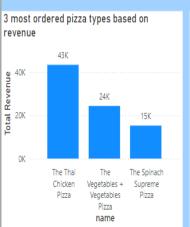


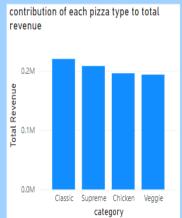


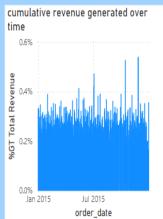


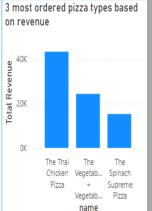














Thank You

I Appreciate the opportunity to share this project with you.