

PIZZA SALES SQL QUERIES

1. TOTAL REVENUE

create view Total_revenue as select sum(total_price) as "TOTAL REVENUE" from pizza_sales;

select * from Total_revenue;

	TOTAL REVENUE
1	817860.05083847

2. AVERAGE ORDER VALUE

create view Average_order_value as select sum(total_price)/count(distinct(order_id)) as "AVERAGE ORDER VALUE" from pizza_sales;

select * from Average_order_value;

	AVERAGE ORDER VALUE
1	38.3072623343546

3. TOTAL PIZZA'S SOLD

create view Total_pizzas_sold as select sum(quantity) as "TOTAL PIZZA'S SOLD" from pizza_sales;

select * from Total_pizzas_sold;

	TOTAL PIZZA'S SOLD
1	49574

4. TOTAL ORDER'S

create view Total_orders as select count(distinct(order_id)) as "TOTAL ORDER'S" from pizza_sales;

select * from Total_orders;

	TOTAL ORDER'S
1	21350

5. AVERAGE PIZZA'S PER ORDER

**create view Average_pizza_per_order as select cast(sum(quantity)/
count(distinct(order_id)) as decimal(10,2)) as "AVERAGE PIZZA'S PER
ORDER" from pizza_sales;**

select * from Average_pizza_per_order;

	AVERAGE PIZZA'S PER ORDER
1	2.00

6. DAILY TREND OF ORDERS

**create view daily_trends_of_orders as select datename(DW,order_date) as
"DAY", count(distinct(order_id)) AS "TOTAL ORDERS" from pizza_sales
group by datename(DW,order_date);**

select * from daily_trends_of_orders;

	DAY	TOTAL ORDERS
1	Saturday	3158
2	Wednesday	3024
3	Monday	2794
4	Sunday	2624
5	Friday	3538
6	Thursday	3239
7	Tuesday	2973

7. MONTHLY TRENDS OF ORDERS

**create view Monthly_trends_of_orders as Select
datename(MONTH,order_date) as "MONTH NAME",
count(distinct(order_id)) AS TOTAL_ORDERS from pizza_sales group by
datename(MONTH,order_date);**

select * from Monthly_trends_of_orders;

	MONTH NAME	TOTAL_ORDERS
1	February	1685
2	June	1773
3	August	1841
4	April	1799
5	May	1853
6	December	1680
7	January	1845
8	September	1661
9	October	1646
10	July	1935
11	November	1792
12	March	1840

8. PERCENTAGE OF SALES BY PIZZA CATEGORY

**create view pct_by_pizza_category as select pizza_category,
cast(sum(total_price) as decimal(10,2)) as "TOTAL SALES" ,
cast(sum(total_price) * 100 /(select sum(total_price) from pizza_sales) as
decimal(10,2)) as "PERCENTAGE OF SALES"**

**from pizza_sales group by pizza_category;select * from
pct_by_pizza_category;**

	pizza_category	TOTAL SALES	PERCENTAGE OF SALES
1	Classic	220053.10	26.91
2	Chicken	195919.50	23.96
3	Veggie	193690.45	23.68
4	Supreme	208197.00	25.46

9. PERCENTAGE OF SALES BY PIZZA SIZE

**create view pct_by_pizza_size as select pizza_size, cast(sum(total_price) as
decimal(10,2)) as "TOTAL SALES" , cast(sum(total_price) * 100 /(select
sum(total_price) from pizza_sales) as decimal(10,2)) as "PERCENTAGE
OF SALES"**

from pizza_sales group by pizza_size;

select * from pct_by_pizza_size;

	pizza_size	TOTAL SALES	PERCENTAGE OF SALES
1	L	375318.70	45.89
2	XXL	1006.60	0.12
3	M	249382.25	30.49
4	XL	14076.00	1.72
5	S	178076.50	21.77

10. TOP 5 PIZZA'S BY REVENUE

**create view top_5_pizzas_by_revenue as select TOP 5 pizza_name,
cast(sum(total_price) as decimal(10,2)) as TOTAL_REVENUE from
pizza_sales group by pizza_name order by TOTAL_REVENUE DESC;
select * from top_5_pizzas_by_revenue;**

	pizza_name	TOTAL_REVENUE
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768.00
3	The California Chicken Pizza	41409.50
4	The Classic Deluxe Pizza	38180.50
5	The Spicy Italian Pizza	34831.25

11. BOTTOM 5 PIZZA'S BY REVENUE

**create view Bottom_5_pizzas_by_revenue as select TOP 5 pizza_name,
cast(sum(total_price) as decimal(10,2)) as TOTAL_REVENUE from
pizza_sales group by pizza_name order by TOTAL_REVENUE;
select * from Bottom_5_pizzas_by_revenue;**

	pizza_name	TOTAL_REVENUE
1	The Brie Carré Pizza	11588.50
2	The Green Garden Pizza	13955.75
3	The Spinach Supreme Pizza	15277.75
4	The Mediterranean Pizza	15360.50
5	The Spinach Pesto Pizza	15596.00

12. TOP 5 PIZZA'S BY QUANTITY

**create view top_5_pizzas_by_Quantity as select TOP 5 pizza_name,
sum(quantity) As TOTAL_QUANTITY from pizza_sales group by
pizza_name order by TOTAL_QUANTITY desc;**

select * from top_5_pizzas_by_Quantity;

	pizza_name	TOTAL_QUANTITY
1	The Classic Deluxe Pizza	2453
2	The Barbecue Chicken Pizza	2432
3	The Hawaiian Pizza	2422
4	The Pepperoni Pizza	2418
5	The Thai Chicken Pizza	2371

13. BOTTOM 5 PIZZA'S BY QUANTITY

create view Bottom_5_pizzas_by_Quantity as select TOP 5 pizza_name, sum(quantity) As TOTAL_QUANTITY from pizza_sales group by pizza_name order by TOTAL_QUANTITY;

select * from Bottom_5_pizzas_by_Quantity;

	pizza_name	TOTAL_QUANTITY
1	The Brie Carré Pizza	490
2	The Mediterranean Pizza	934
3	The Calabrese Pizza	937
4	The Spinach Supreme Pizza	950
5	The Soppressata Pizza	961

14. TOP 5 PIZZA'S BY COUNT OF ORDERS

create view top_5_pizzas_by_orders as select TOP 5 pizza_name, count(distinct(order_id)) As TOTAL_ORDERS from pizza_sales group by pizza_name order by TOTAL_ORDERS desc;

select * from top_5_pizzas_by_orders;

	pizza_name	TOTAL_ORDERS
1	The Classic Deluxe Pizza	2329
2	The Hawaiian Pizza	2280
3	The Pepperoni Pizza	2278
4	The Barbecue Chicken...	2273
5	The Thai Chicken Pizza	2225

15. BOTTOM 5 PIZZA'S BY COUNT OF ORDERS

create view Bottom_5_pizzas_by_orders as select TOP 5
 pizza_name,count(distinct(order_id)) As TOTAL_ORDERS from
 pizza_sales group by pizza_name order by TOTAL_ORDERS;

select * from Bottom_5_pizzas_by_orders;

	pizza_name	TOTAL_ORDERS
1	The Brie Carré Pizza	480
2	The Mediterranean Pizza	912
3	The Spinach Supreme ...	918
4	The Calabrese Pizza	918
5	The Chicken Pesto Pizza	938

16. PIZZAS WITH SALES ABOVE AVERAGE TOTAL PRICE.

create view high_value_pizzas as select pizza_name, sum(total_price) as
 total_sales from pizza_sales group by pizza_name having sum(total_price)
 > (select avg(total_price) from pizza_sales);

select * from high_value_pizzas order by total_sales desc;

	pizza_name	total_sales
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The California Chicken Pizza	41409.5
4	The Classic Deluxe Pizza	38180.5
5	The Spicy Italian Pizza	34831.25
6	The Southwest Chicken Pizza	34705.75
7	The Italian Supreme Pizza	33476.75
8	The Hawaiian Pizza	32273.25
9	The Four Cheese Pizza	32265.7010040283
10	The Sicilian Pizza	30940.5
11	The Pepperoni Pizza	30161.75
12	The Greek Pizza	28454.1000213623
13	The Mexicana Pizza	26780.75
14	The Five Cheese Pizza	26066.5
15	The Pepper Salami Pizza	25529
16	The Italian Capocollo Pizza	25094
17	The Vegetables + Vegetables Pizza	24374.75
18	The Prosciutto and Arugula Pizza	24193.25
19	The Napolitana Pizza	24087
20	The Spinach and Feta Pizza	23271.25
21	The Big Meat Pizza	22968
22	The Pepperoni, Mushroom, and P...	18834.5
23	The Chicken Alfredo Pizza	16900.25
24	The Chicken Pesto Pizza	16701.75
25	The Soppressata Pizza	16425.75
26	The Italian Vegetables Pizza	16019.25
27	The Calabrese Pizza	15934.25
28	The Spinach Pesto Pizza	15596
29	The Mediterranean Pizza	15360.5
30	The Spinach Supreme Pizza	15277.75
31	The Green Garden Pizza	13955.75
32	The Brie Carré Pizza	11588.4998130798

17. CREATE INDEX ON PIZZA_NAME_ID.

create index idx_pizza_name_id on pizza_sales(pizza_name_id);

select name from sys.indexes where object_id = object_id('pizza_sales');

	name
1	NULL
2	idx_pizza_name_id