PIZZA SALES SQL QUERIES

->these are some queries which I use to import the pizza sales csv file/table in sql database.

show databases;

create database projects;

use projects;

show tables;

create table pizza_sales(

pizza_id int primary key,

order_id int,

pizza_name_id text,

quantity int,

order_date varchar(20),

order_time time,

unit_price   double,

total_price   double,

pizza_size   text,

pizza_category text,

pizza_ingredients text,

pizza_name text

);

->After creating a table by name pizza_sales we import the table data in this table using option 'table data import wizard' then performing this operations on table.

select distinct(order_date) from pizza_sales;

ALTER TABLE pizza_sales MODIFY COLUMN order_date VARCHAR(255);

SELECT distinct(order_date) FROM pizza_sales LIMIT 10; -- date/month/year

ALTER TABLE pizza_sales

MODIFY order_date DATE; -- it throws an error

```
ALTER TABLE pizza_sales ADD new_order_date DATE;


SET SQL_SAFE_UPDATES = 0;


UPDATE pizza_sales

SET new_order_date = STR_TO_DATE(order_date, '%d-%m-%Y');


SET SQL_SAFE_UPDATES = 1;


ALTER TABLE pizza_sales DROP COLUMN order_date;

ALTER TABLE pizza_sales CHANGE new_order_date order_date DATE;


select distinct(order_date) from pizza_sales;
```

A) KPI's

1) Total Revenue

```
select sum(quantity*unit_price) as Total_revenue from new_pizza_sales;
```

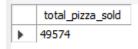| Total_revenue |
| --- |
| 817860.049999993 |

2) Average Order Value

```
select cast((sum(total_price)/count(distinct(order_id))) as decimal(10,4)) as avg_order_value
from new_pizza_sales;
```
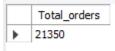
avg_order_value
38.3073

3) Total Pizza sold
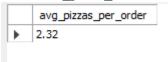
```
select sum(quantity) as total_pizza_sold from new_pizza_sales;
```

total_pizza_sold
49574

4) Total Orders

```
select count(distinct(order_id)) as Total_orders from new_pizza_sales;
```

Total_orders
21350

5) Average Pizzas Per Order

select cast((sum(quantity)/count(distinct(order_id))) as decimal(10,2)) as avg_pizzas_per_order
from new_pizza_sales;

avg_pizzas_per_order
▶ 2.32

B) Daily Trend for Total Orders

SELECT DAYNAME(order_date) AS order_day, COUNT(DISTINCT order_id) AS total_orders
FROM new_pizza_sales GROUP BY DAYNAME(order_date) order by total_orders desc;

	order_day	total_orders
▶	Friday	3538
	Thursday	3239
	Saturday	3158
	Wednesday	3024
	Tuesday	2973
	Monday	2794
	Sunday	2624

C) Monthly Trend for Total Orders

SELECT monthname(order_date) AS order_day, COUNT(DISTINCT order_id) AS total_orders
FROM new_pizza_sales GROUP BY monthname(order_date) order by total_orders desc;

	order_day	total_orders
▶	July	1935
	May	1853
	January	1845
	August	1841
	March	1840
	April	1799
	November	1792
	June	1773
	February	1685
	December	1680
	September	1661
	October	1646

D) Percentage of sales by Pizza Category

select pizza_category,
cast(sum(total_price) as decimal(10,2)) as revenue,
cast((sum(total_price)/(select sum(total_price) from new_pizza_sales)*100) as decimal(10,2)) as
percentage from new_pizza_sales group by pizza_category;

pizza_category	revenue	percentage
Classic	220053.10	26.91
Veggie	193690.45	23.68
Supreme	208197.00	25.46
Chicken	195919.50	23.96

E) Percentage of sales by Pizza Size

select pizza_size,
cast(sum(total_price) as decimal(10,2)) as revenue,
cast((sum(total_price)/(select sum(total_price) from new_pizza_sales))*100 as decimal(10,2)) as
percentage from new_pizza_sales group by pizza_size;

pizza_size	revenue	percentage
M	249382.25	30.49
L	375318.70	45.89
S	178076.50	21.77
XL	14076.00	1.72
XXL	1006.60	0.12

F) Total pizza sold by pizza category

select pizza_category,sum(quantity) from new_pizza_sales group by pizza_category;

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

G) Top 5 Best Sellers by Revenue

select pizza_name,sum(total_price) as Total_revenue
from new_pizza_sales group by pizza_name
order by Total_revenue desc limit 5;

pizza_name	Total_revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5
The Classic Deluxe Pizza	38180.5
The Spicy Italian Pizza	34831.25

H) Top 5 best sellers by Total Quantity

select pizza_name,
sum(quantity) as Total_quantity
from new_pizza_sales group by pizza_name
order by Total_quantity desc limit 5;

pizza_name	Total_quantity
▶ The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

I) Top 5 best sellers by Total Orders

select pizza_name,
count(distinct(order_id)) as Total_orders
from new_pizza_sales group by pizza_name
order by Total_orders desc limit 5;

pizza_name	Total_orders
▶ The Classic Deluxe Pizza	2329
The Hawaiian Pizza	2280
The Pepperoni Pizza	2278
The Barbecue Chicken Pizza	2273
The Thai Chicken Pizza	2225

J) Bottom 5 Best Sellers by Revenue

select pizza_name,cast(sum(total_price) as decimal(10,2)) as Total_revenue
from new_pizza_sales group by pizza_name
order by Total_revenue asc limit 5;

pizza_name	Total_revenue
▶ The Brie Carre Pizza	11588.50
The Green Garden Pizza	13955.75
The Spinach Supreme Pizza	15277.75
The Mediterranean Pizza	15360.50
The Spinach Pesto Pizza	15596.00

K) bottom 5 best sellers by Total Quantity

select pizza_name,
sum(quantity) as Total_quantity
from new_pizza_sales group by pizza_name
order by Total_quantity asc limit 5;

pizza_name	Total_quantity
▶ The Brie Carre Pizza	490
The Mediterranean Pizza	934
The Calabrese Pizza	937
The Spinach Supreme Pizza	950
The Soppressata Pizza	961

L) bottom 5 best sellers by Total Orders

select pizza_name,
count(distinct(order_id)) as Total_orders

from new_pizza_sales group by pizza_name
order by Total_orders asc limit 5;

pizza_name	Total_orders
The Brie Carre Pizza	480
The Mediterranean Pizza	912
The Calabrese Pizza	918
The Spinach Supreme Pizza	918
The Chicken Pesto Pizza	938