PIZZA SALES ANALYSIS

EXCEL FILES FOR ANALYSING DATA USING SQL

Microsoft Excel
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Order_details

Microsoft Excel
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Orders

Microsoft Excel
ma Separated Vali

Pizza Types

Microsoft Excel
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Pizzas

SQL QUERIES USED IN PROJECT PIZZA SALES DASHBOARD

Retrieve the total number of orders placed

_Select count(*) as Total_orders from orders;

Calculate the total revenue generated from pizza sales.

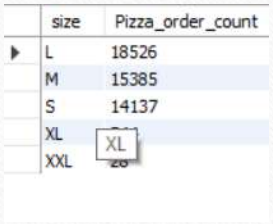
Select round(sum(pizzas.price * order_details.quantity),2) as Total_Revenue from pizzas
join order_details on pizzas.pizza_id = order_details.pizza_id;

Identify the 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 price desc limit 1;

-- Identify the most common pizza size ordered.

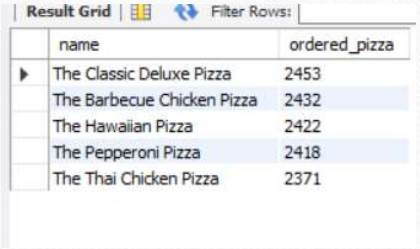
```
Select pizzas.size,count(order_details.Order_details_id) as Pizza_order_count from pizzas
 join order_details on pizzas.pizza_id = order_details.pizza_id
group by pizzas.size order by Pizza_order_count desc;
```



size	Pizza_order_count
L	18526
M	15385
S	14137
XL	
XXL	

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

```
Select pizza_types.name,sum(order_details.quantity) as ordered_pizza 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 name order by ordered_pizza
desc limit 5;
```



Result Grid | Filter Rows:

name	ordered_pizza
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 pizza_types.category,sum(order_details.quantity) as Pizza_Category_sold from
 pizza_types join pizzas on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details on pizzas.pizza_id = order_details.pizza_id group by category;
```

Result Grid | Filter Rows:

category	Pizza_Category_sold
Classic	14888
Veggie	11649
Supreme	11987
Chicken	11050

Determine the highest distribution of orders by hour of the day.

Select hour(order_time) as hours,count(order_id) as Ordered_count from orders group by hours order by ordered_count desc;

Result Grid | Filter

hours	Ordered_count
12	2520
13	2455
18	2399
17	2336
19	2009
16	1920
20	1642
14	1472
15	1468
11	1231
21	1198

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

select category,count(name) as Pizza_count from pizza_types group by category;

category	Pizza_count
Chicken	6
Classic	8
Supreme	9
Veggie	9

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

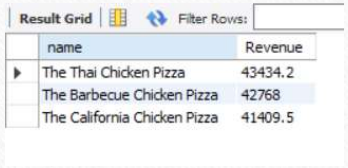
Select round(avg(order_quantity_perdate),0) as Avg_order_perday from
(select orders.Order_date,sum(order_details.quantity) as order_quantity_predate
from orders join order_details on orders.Order_id = order_details.Order_id group by orders.Order_date) as **Date_table**;

Result Grid | Fi

Avg_order_perday
138

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

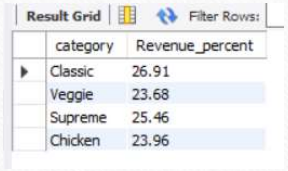
```
select pizza_types.name,round(sum(pizzas.price*order_details.quantity),1) as Revenue
 from pizza_types join pizzas on pizza_types.pizza_type_id = pizzas.pizza_type_id join
 order_details on pizzas.pizza_id = order_details.pizza_id group by pizza_types.name
order by revenue desc limit 3;
```



name	Revenue
The Thai Chicken Pizza	43434.2
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5

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

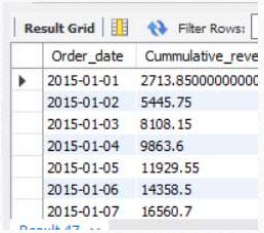
```
Select category, round(Revenue/Overall_revenue * 100,2) as Revenue_percent from
(select pizza_types.category,round(sum(pizzas.price * order_details.quantity),2)
as Revenue,(select sum(pizzas.price * order_details.quantity) from pizzas
join order_details on pizzas.pizza_id = order_details.pizza_id) as Overall_revenue
from pizza_types join pizzas on pizza_types.pizza_type_id = pizzas.pizza_type_id
 join order_details on pizzas.pizza_id = order_details.pizza_id group by category) as datatable ;
```



category	Revenue_percent
Classic	26.91
Veggie	23.68
Supreme	25.46
Chicken	23.96

Analyze the cumulative revenue generated over time.

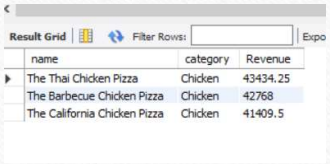
```
Select Order_date,sum(revenue) over (order by Order_date) as Cummulative_revenue from (Select
orders.Order_date,sum(pizzas.price * order_details.quantity) as Revenue from pizzas join order_details on pizzas.pizza_id
= order_details.pizza_id join orders on orders.Order_id = order_details.Order_id group by orders.Order_date) as Data;
```



Order_date	Cummulative_reve
2015-01-01	2713.85000000000
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

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

```
Select pizza_types.name,pizza_types.category,round(sum(pizzas.price * order_details.quantity),2)
as Revenue from pizzas join pizza_types on pizzas.pizza_type_id = pizza_types.pizza_type_id join
 order_details on pizzas.pizza_id = order_details.pizza_id group by name,category order by revenue desc limit 3;
```



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