

Mentorless Task 2


PIZZA SALES ANALYSIS

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The goal of this SQL project is to analyze pizza sales data to gain insights into customer behavior, popular pizza types, sales trends, and overall performance. The analysis will be performed using four tables: order_details, orders, pizza_type, and pizza.

Q1: The total
number of
order placed


	total_orders
▶	21350



```
SELECT  
COUNT(DISTINCT  
ORDER_ID) AS  
TOTAL_ORDERSFROM  
ORDERS;
```

Q2: The total
revenue
generated from
pizza sales

	total_revenue
▶	817860.05



```
SELECT  
SUM(OD.QUANTITY *  
P.PRICE) AS  
TOTAL_REVENUE  
FROM ORDER_DETAILS  
OD JOIN PIZZA P ON  
OD.PIZZA_ID =  
P.PIZZA_ID;
```


Q3: The
highest
priced pizza

```
SELECT P.PIZZA_ID,  
MAX(P.PRICE) AS  
HIGHEST_PRICE FRO  
M PIZZA P GROUP BY  
P.PIZZA_ID;
```

	pizza_id	highest_price
▶	bbq_ckn_l	20.75

Q4: The most
common
pizza size
ordered

	size	total_quantity
▶	L	18956



```
SELECT P.SIZE,  
SUM(OD.QUANTITY) AS  
TOTAL_QUANTITYFROM  
PIZZA PJOIN  
ORDER_DETAILS OD ON  
P.PIZZA_ID =  
OD.PIZZA_IDGROUP BY  
P.SIZEORDER BY  
TOTAL_QUANTITY  
DESCLIMIT 1;
```

Q5: The top 5 most ordered pizza types along their quantities

	pizza_type	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

**SELECT PT.NAME AS
PIZZA_TYPE,
SUM(OD.QUANTITY) AS
TOTAL_QUANTITYFROM
ORDER_DETAILS ODJOIN
PIZZA P ON OD.PIZZA_ID =
P.PIZZA_IDJOIN
PIZZA_TYPE PT ON
P.PIZZA_TYPE_ID =
PT.PIZZA_TYPE_IDGROUP
BY PT.NAMEORDER BY
TOTAL_QUANTITY
DESCLIMIT 5;**


Q6: The quantity of each pizza category ordered

	category	total_quantity
▶	Classic	14888
	Veggie	11649
	Supreme	11987
	Chicken	11050

```
SELECT PT.CATEGORY,  
SUM(OD.QUANTITY) AS  
TOTAL_QUANTITY  
FROM  
ORDER_DETAILS  
OD JOIN PIZZA P ON  
OD.PIZZA_ID =  
P.PIZZA_ID JOIN  
PIZZA_TYPE PT ON  
P.PIZZA_TYPE_ID =  
PT.PIZZA_TYPE_ID  
GROUP  
P BY PT.CATEGORY;
```


Q7: The distribution of orders by hours of the day


	order_hour	order_count
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399
	19	2009
	20	1642
	21	1198
	22	663
	23	28
	10	8
	9	1



```
SELECT  
HOUR(O.TIME) AS  
ORDER_HOUR,  
COUNT(*) AS  
ORDER_COUNTFR  
OM ORDERS  
OGROUP BY  
HOUR(O.TIME);
```

Q8: The
category-wise
distribution
of pizzas


	category	total_pizzas
▶	Chicken	18
	Classic	26
	Supreme	25
	Veggie	27



```
SELECT PT.CATEGORY,  
COUNT(P.PIZZA_ID) AS  
TOTAL_PIZZASFROM  
PIZZA PJOIN  
PIZZA_TYPE PT ON  
P.PIZZA_TYPE_ID =  
PT.PIZZA_TYPE_IDGRO  
UP BY PT.CATEGORY;
```

Q9: The average number of pizzas ordered per day

	avg_pizzas_per_day
▶	138.4749



```
SELECT AVG(DAILY_ORDERS)  
AS AVG_PIZZAS_PER_DAYFROM  
(  SELECT DATE,  
SUM(QUANTITY) AS  
DAILY_ORDERS  FROM  
ORDER_DETAILS OD  JOIN  
ORDERS O ON OD.ORDER_ID =  
O.ORDER_ID  GROUP BY DATE)  
AS DAILY_TOTALS;
```

Q10: Top 3 most
ordered pizza types
based on revenue

	pizza_type	total_revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768.00
	The California Chicken Pizza	41409.50

```
SELECT PT.NAME AS  
PIZZA_TYPE, SUM(OD.QUANTITY  
* P.PRICE) AS  
TOTAL_REVENUEFROM  
ORDER_DETAILS ODJOIN PIZZA  
P ON OD.PIZZA_ID =  
P.PIZZA_IDJOIN PIZZA_TYPE PT  
ON P.PIZZA_TYPE_ID =  
PT.PIZZA_TYPE_IDGROUP BY  
PT.NAMEORDER BY  
TOTAL_REVENUE DESCLIMIT 3;
```

Q11: The percentage contribution of each pizza type to revenue

```
SELECT PT.NAME AS PIZZA_TYPE,  
       SUM(OD.QUANTITY * P.PRICE) AS TOTAL_REVENUE,  
       (SUM(OD.QUANTITY * P.PRICE) / (SELECT  
SUM(OD.QUANTITY * P.PRICE) FROM ORDER_DETAILS OD  
JOIN PIZZA P ON OD.PIZZA_ID = P.PIZZA_ID)) * 100 AS  
PERCENTAGE_CONTRIBUTION  
FROM ORDER_DETAILS  
OD JOIN PIZZA P ON OD.PIZZA_ID = P.PIZZA_ID  
JOIN PIZZA_TYPE PT ON P.PIZZA_TYPE_ID =  
PT.PIZZA_TYPE_ID  
GROUP BY PT.NAME;
```

	pizza_type	total_revenue	percentage_contribution
►	The Hawaiian Pizza	32273.25	3.946060
	The Classic Deluxe Pizza	38180.50	4.668341
	The Five Cheese Pizza	26066.50	3.187159
	The Italian Supreme Pizza	33476.75	4.093213
	The Mexicana Pizza	26780.75	3.274491
	The Thai Chicken Pizza	43434.25	5.310719
	The Prosciutto and Arugula Pizza	24193.25	2.958116
	The Barbecue Chicken Pizza	42768.00	5.229257
	The Greek Pizza	28 28454.10	3.479092
	The Spinach Supreme Pizza	15277.75	1.868015
	The Green Garden Pizza	13955.75	1.706374
	The Italian Capocollo Pizza	25094.00	3.068251
	The Spicy Italian Pizza	34831.25	4.258828
	The Spinach Pesto Pizza	15596.00	1.906928
	The Vegetables + Vegetables Pi...	24374.75	2.980308
	The Southwest Chicken Pizza	34705.75	4.243483
	The California Chicken Pizza	41409.50	5.063152
	The Pepperoni Pizza	30161.75	3.687886
	The Chicken Pesto Pizza	16701.75	2.042128

The Big Meat Pizza	22968.00	2.808304
The Soppressata Pizza	16425.75	2.008382
The Four Cheese Pizza	32265.70	3.945137
The Napolitana Pizza	24087.00	2.945125
The Calabrese Pizza	15934.25	1.948286
The Italian Vegetables Pizza	16019.25	1.958679
The Mediterranean Pizza	15360.50	1.878133
The Pepper Salami Pizza	25529.00	3.121439
The Spinach and Feta Pizza	23271.25	2.845383
The Sicilian Pizza	30940.50	3.783104
The Chicken Alfredo Pizza	16900.25	2.066399
The Pepperoni, Mushroom, and ...	18834.50	2.302900
The Brie Carre Pizza	11588.50	1.416929


Q12: The cumulative
revenue generated
over time

```
SELECT DATE, SUM(QUANTITY * PRICE)  
AS CUMULATIVE_REVENUE  
FROM  
ORDER_DETAILS OD JOIN PIZZA P ON  
OD.PIZZA_ID = P.PIZZA_ID JOIN ORDERS O  
ON OD.ORDER_ID = O.ORDER_ID  
GROUP BY  
DATE  
ORDER BY DATE;
```


	date	cumulative_revenue
▶	2015-01-01	2713.85
	2015-01-02	2731.90
	2015-01-03	2662.40
	2015-01-04	1755.45
	2015-01-05	2065.95
	2015-01-06	2428.95
	2015-01-07	2202.20
	2015-01-08	2838.35
	2015-01-09	2127.35

Q13: The top 3 most ordered pizza types based on revenue for each pizza category

	category	pizza_type	total_revenue
▶	Chicken	The Thai Chicken Pizza	43434.25
	Chicken	The Barbecue Chicken Pizza	42768.00
	Chicken	The California Chicken Pizza	41409.50



```
SELECT PT.CATEGORY,  
PT.NAME AS PIZZA_TYPE,  
SUM(OD.QUANTITY * P.PRICE)  
AS TOTAL_REVENUE  
FROM  
ORDER_DETAILS OD  
JOIN PIZZA  
P ON OD.PIZZA_ID =  
P.PIZZA_ID  
JOIN PIZZA_TYPE PT  
ON P.PIZZA_TYPE_ID =  
PT.PIZZA_TYPE_ID  
GROUP BY  
PT.CATEGORY, PT.NAME  
ORDER  
BY PT.CATEGORY,  
TOTAL_REVENUE DESC  
LIMIT 3;
```

**THANK
YOU**