

PIZZA SALES ANALYSIS USING SQL

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-- TOTAL NUMBER OF ORDERS

SELECT

COUNT(order_id) AS total_orders

FROM

orders

Result Grid	
	total_orders
▶	21350

-- Calculate total revenue

```
    ROUND(SUM(pizzas.price), 2) * order_details.quantity AS revenue  
FROM  
    order_details  
    JOIN  
    pizzas ON pizzas.pizza_id = order_details.pizza_id
```

Result Grid	
	revenue
▶	801944.70

```
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
```

-- HIGHEST PRICE

Result Grid | Filter Rows

	NAME	PRICE
▶	The Greek Pizza	35.95

-- MOST COMMON PIZZA SIZE ORDERD

```
SELECT  
    Pizzas.size,  
    COUNT(order_details.order_details_id) AS COMMON_PIZZA_SIZE_ORDERD  
FROM  
    pizzas  
        .  
    JOIN  
        order_details ON pizzas.pizza_id = order_details.pizza_id  
GROUP BY pizzas.size  
ORDER BY Pizzas.size ASC  
LIMIT 1
```

Result Grid | Filter Rows:

	size	COMMON_PIZZA_SIZE_ORDERD
▶	L	18526

-- LIST THE TOP 5 MOST ORDERD PIZZA TYPES ALONG WITH THEIR QUANTITIES

```
SELECT  
    PIZZA_TYPES.NAME,  
    pizza_types.CATEGORY,  
    SUM(ORDER_DETAILS.QUANTITY) AS SUM_ORDER  
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 PIZZA_TYPES.NAME  
ORDER BY SUM_ORDER DESC  
LIMIT 5
```

Result Grid | Filter Rows: Export:

	NAME	CATEGORY	SUM_ORDER
▶	The Classic Deluxe Pizza	Classic	2453
	The Barbecue Chicken Pizza	Chicken	2432
	The Hawaiian Pizza	Classic	2422
	The Pepperoni Pizza	Classic	2418
	The Thai Chicken Pizza	Chicken	2371

TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED.

```
SELECT  
    SUM(ORDER_DETAILS.QUANTITY) AS SUM_CAT, pizza_types.CATEGORY  
FROM  
    ORDER_DETAILS  
        JOIN  
    PIZZAS ON PIZZAS.PIZZA_ID = ORDER_DETAILS.PIZZA_ID  
        .  
        JOIN  
    pizza_types ON pizza_types.pizza_type_ID = PIZZAS.pizza_type_ID  
GROUP BY CATEGORY  
ORDER BY SUM_CAT DESC
```

	SUM_CAT	CATEGORY
▶	14888	Classic
	11987	Supreme
	11649	Veggie
	11050	Chicken

DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

```
SELECT  
    HOUR(time), COUNT(order_id) By_hour  
FROM  
    ORDERS  
GROUP BY HOUR(time)  
ORDER BY By_hour DESC  
LIMIT 5
```

Result Grid | Filter R

	HOUR(time)	By_hour
▶	12	2520
	13	2455
	18	2399
	17	2336
	19	2009

CATEGORY-WISE DISTRIBUTION OF PIZZAS.

```
SELECT  
    COUNT(NAME), CATEGORY  
FROM  
    pizza_types  
GROUP BY CATEGORY
```

Result Grid | Filter Rows:

	COUNT(NAME)	CATEGORY
	6	Chicken
▶	8	Classic
	9	Supreme
	9	Veggie

TOP 3 MOST ORDERD PIZZA TYPES BASED ON REVENUE

```
SELECT  
    pizza_types.NAME,  
    ROUND(SUM(PIZZAS.PRICE * ORDER_DETAILS.QUANTITY),  
        2) AS REVEUNE  
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 pizza_types.NAME  
ORDER BY REVEUNE DESC  
LIMIT 3
```

Result Grid | Filter Rows:

	NAME	REVEUNE
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768.00
	The California Chicken Pizza	41409.50

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

```
SELECT
    pizza_types.category,
    round(SUM(ORDER_DETAILS.QUANTITY * PIZZAS.PRICE) / (SELECT
        ROUND(SUM(ORDER_DETAILS.QUANTITY*PIZZAS.PRICE),
        2) AS TOTAL_SALES
    FROM
        ORDER_DETAILS
    JOIN
        PIZZAS ON PIZZAS.PIZZA_ID = ORDER_DETAILS.PIZZA_ID) *100,2) AS REVEUNE
    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 pizza_types.category
    ORDER BY REVEUNE DESC
```

Result Grid | Filter F

	category	REVEUNE
▶	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68

TOP 3 MOST ORDERED PIZZA TYPES -- BASED ON REVENUE FOR EACH PIZZA CATEGORY

```
select name , rev
from
(select category , name , rev ,
rank() over(partition by category order by rev desc) as rn
from
(select pizza_types.category,pizza_types.name,
sum((order_details.quantity) * pizzas.price) as rev
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 pizza_types.category , pizza_types.name) as a) as b
where rn<= 3
```

	name	rev
	The Thai Chicken Pizza	43434.25
▶	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5
	The Classic Deluxe Pizza	38180.5
	The Hawaiian Pizza	32273.25
	The Pepperoni Pizza	30161.75
	The Spicy Italian Pizza	34831.25
	The Italian Supreme Pizza	33476.75
	The Sicilian Pizza	30940.5
	The Four Cheese Pizza	32265.70000000065
	The Mexicana Pizza	26780.75
	The Five Cheese Pizza	26066.5