



PIZZAHUT SALES ANALYSIS USING SOL









RETRIVE THE TOTAL NUMBER OF ORDERS PLACED

SELECT

FROM

QUERRY

COUNT(order_id) AS total_orders

orders;

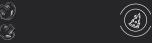
RESULT

total_orders

≥ 21350









CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES

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;

QUERRY

RESULT

total_sales

817860.05









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 pizzas.price DESC

LIMIT 1;

QUERRY

























IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED

SELECT pizzas.size.

pizzas.size,
COUNT(order details.order details id) AS order count

FROM

pizzas JOTN

order_details ON pizzas.pizza_id = order_details.pizza_id

GROUP BY pizzas.size

ORDER BY order_count DESC;

QUERRY











LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES

SELECT

pizza_types.name, SUM(order_details.quantity) AS quantity
FROW

pizza_types

JOIN

pizza_types.pizza_type_id = pizzas.pizza_type_id

order details ON order details.pizza id = pizzas.pizza id

GROUP BY pizza_types.name
ORDER BY quantity DESC
LIMIT 5:

name quantity

The Classic Deluxe Pizza 2453
The Barbecue Chicken Pizza 2432
The Hawaiian Pizza 2422
The Pepperoni Pizza 2418

2371

The Thai Chicken Pizza









JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH CATEGORY ORDERED

SELECT pizza types.category,

SUM(order details.quantity) AS quantity EROM

pizza types

JOIN pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id

JOTN

order_details ON order_details.pizza_id = pizzas.pizza_id GROUP BY pizza types.category

ORDER BY quantity DESC;

quantit 14888 11987 11649

11050

QUERRY









DETERMINE THE DISTRUBUTION OF ORDERS BY HOUR OF THE DAY

QUERRY

SELECT
HOUR(order time) AS hour, COUNT(order id) AS order count

FROM

orders

GROUP BY HOUR(order_time);

RESULT

| hour order_count |
| 11 1231 |
| 12 2520 |
| 13 2455 |
| 14 1472 |
| 15 1466 |
| 16 1920 |
| 17 2336 |
| 18 2399 |
| 19 200 1642 |
| 21 1198 |
| 22 663 |
| 23 28 |









JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS **QUERRY**

SELECT

category, COUNT(name) FROM

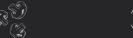
pizza_types GROUP BY category;



	category	COUNT(name)
•	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9
	Veggie	9











GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY

RESULT

SELECT

ROUND(AVG(quantity), 0) AS avg_pizza_ordered_per_day FROM

(SELECT orders FROM

orders.order_date, SUM(order_details.quantity) AS quantity
FROM

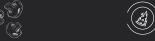
JOIN order_details ON orders.order_id = order_details.order_id
GROUP BY orders.order_date) AS order_quantity;

QUERRY

avg_pizza_ordered_per_day







LIMIT 3:



DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPR BASED ON REVENUE

SELECT

pizz_types.name,

SUM(order_details.quantity * pizzas.price) A5 revenue

FROM

pizza_types

JOIN

pizzas_ON pizza_types.pizza_type_id = pizzas.pizza_type_id

OTM order_details_ON order_details.pizza_id = pizzas.pizza_id

GROUP BY pizza_types.name

GROUP BY pizza_types.name



The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5

name



revenue



pizza types

SELECT





CALCULATE THE PERCENTAGE CONTRIBUTON OF EACH PIZZA TYPE OF TOTAL REVENUE

plira_types.category,
MOUND(SUM(order_details.quantity * pliras.price) / (SELECT
MOUND(SUM(order_details.quantity * pliras.price),
2) AS total_sales
FROM
order_details
2018

JOIN
pizzas ON pizzas.pizza_id = order_details.pizza_id) * 100,
2) AS revenue

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 revenue DESC: QUERRY

RESULT

category revenue
Classic 26.91
Supreme 25.46

Chicken 23.96 Veggie 23.68







ANALYZE THE CUMMULATIVE REVENUE GENERATED OVER TIME

select order date, round(sum(revenue) over(order by order date),2) as cum revenue from (select orders.order date.

sum(order_details.quantity * pizzas.price) as revenue from order details join pizzas

on order_details.pizza_id = pizzas.pizza_id

join orders

on orders.order_id = order_details.order_id

group by orders.order date) as sales;

QUERRY

order date cum revenue 2015-01-01 2713.85 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 2015-01-08 19399.05

2015-01-09 21526.4 2015-01-10 23990.35









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

QUERRY select name, revenue

Trom

(select category, name, revenue,
rank() over(partition by category order by revenue desc) as rn

from

(select pizza_types.category, pizza_types.name,
sum((order_details.quantity) * pizzas.price) as revenue

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









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

RESULT

	name	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 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



