Pizzas Sales SQL Queries

 Obtain a glimpse of the database SELECT * FROM pizza_sales LIMIT 5;



Obtain the datatype of each column
 SELECT COLUMN_NAME,
 DATA_TYPE
 FROM INFORMATION_SCHEMA.COLUMNS
 WHERE TABLE_SCHEMA = "project"

AND TABLE_NAME = "pizza_sales";

COLUMN NAME DATA TYPE abc Filter. abc Filter. order_date date order_id order_time time pizza_category varchar pizza_ingredients varchar pizza_name varchar pizza_name_id varchar pizza_size varchar quantity total_price float

float

Change data types
 UPDATE pizza_sales
 SET order_date = STR_TO_DATE(order_date, '%d-%m-%Y');

ALTER TABLE pizza_sales MODIFY COLUMN order_date DATE;

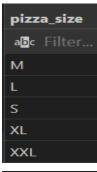
ALTER TABLE pizza_sales MODIFY COLUMN order time TIME;

ALTER TABLE pizza_sales MODIFY COLUMN pizza_category VARCHAR(50);

 Change pizza_size data SELECT DISTINCT pizza_size FROM pizza_sales;

UPDATE pizza_sales
SET pizza_size =
CASE pizza_size
WHEN 'S' THEN 'Small'
WHEN 'M' THEN 'Medium'
WHEN 'L' THEN 'Large'
WHEN 'XL' THEN 'Extra large'
WHEN 'XXL' THEN 'Extra extra large'
ELSE pizza_size
END;

SELECT DISTINCT pizza_size FROM pizza_sales;



unit_price



5. Total revenue SELECT ROUND (SUM(total_price), 2) AS total_revenue FROM pizza_sales;	total_revenue alc Filter 817860.05
 Average spending per order SELECT SUM(total_price)/COUNT(DISTINCT order_id) AS avg_order_value FROM pizza_sales; 	avg_order_value all c Filter 38.30726233435459
7. Pizza units sold SELECT SUM(quantity) AS pizzas_sold FROM pizza_sales;	pizzas_sold abc Filter 49574
8. Total orders SELECT COUNT(DISTINCT order_id) AS total_orders FROM pizza_sales;	alc Filter 21350
9. Average pizza per order SELECT ROUND(SUM(quantity)/COUNT(DISTINCT order_id)) AS avg_pizza_per_order FROM pizza_sales;	avg_pizza_per_order alc Filter 2
10. Daily trend for total orders SELECT DAYNAME(order_date) AS day_order, COUNT(DISTINCT order_id) AS total_orders FROM pizza_sales GROUP BY day_order;	day_ordertotal_ordersall Filterall FilterFriday3538Monday2794Saturday3158Sunday2624Thursday3239Tuesday2973Wednesday3024

Month trend for total orders
 SELECT MONTHNAME(order_date) as month_name,

COUNT(DISTINCT order_id) AS total_orders
FROM pizza_sales

GROUP BY month_name, MONTH(order_date)

ORDER BY MONTH(order_date);

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

12. Percentage of sales by pizza category

SELECT pizza_category, ROUND(SUM(total_price)) AS sales_by_category, ROUND(SUM(total_price) / (SELECT SUM(total_price) FROM pizza_sales) * 100,2) AS category_percentage FROM pizza_sales

 pizza_category
 sales_by_category
 category_percen...

 dc Filter...
 dc Filter...
 dc Filter...

 Classic
 220053
 26.91

 Veggie
 193690
 23.68

 Supreme
 208197
 25.46

 Chicken
 195920
 23.96

13. Percentage of sales by pizza size

ORDER BY size_percentage DESC;

GROUP BY pizza_category;

SELECT pizza_size, ROUND(SUM(total_price)) as sales_by_size, ROUND(SUM(total_price)/ (SELECT SUM(total_price) FROM pizza_sales) * 100,2) AS size_percentage FROM pizza_sales GROUP BY pizza_size

pizza_size	sales_by_size	size_percentage
also Filter	a <mark>b</mark> c Filter	abc Filter
L	375319	45.89
М	249382	30.49
S	178076	21.77
XL	14076	1.72
XXL	1007	0.12

14. Top 5 pizzas by revenue

SELECT pizza_name, SUM(total_price) as revenue FROM pizza_sales GROUP BY pizza_name ORDER BY revenue DESC LIMIT 5:

pizza_name	revenue
abc Filter	a <mark>b</mark> c Filter
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

15. Bottom 5 pizzas by revenue

LIMIT 5;

SELECT pizza_name, SUM(total_price) as revenue FROM pizza_sales GROUP BY pizza_name ORDER BY revenue

pizza_name	revenue
abc Filter	a <mark>b</mark> c Filter
The Brie Carre Pizza	11588.5
The Green Garden Pizza	13955.75
The Spinach Supreme Pizza	15277.75
The Mediterranean Pizza	15360.5
The Spinach Pesto Pizza	15596

16. Top 5 pizzas by quantity
SELECT pizza_name, SUM(quantity) as quantity
FROM pizza_sales
GROUP BY pizza_name
ORDER BY quantity DESC
LIMIT 5;

pizza_name	quantity
aBc Filter	a <mark>b</mark> c Filter
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

17. Bottom 5 pizzas by quantity

SELECT pizza_name, SUM(quantity) as quantity FROM pizza_sales GROUP BY pizza_name ORDER BY quantity LIMIT 5;

pizza_name	quantity
abc Filter	a <mark>b</mark> c Filter
The Brie Carre Pizza	490
The Mediterranean Pizza	934
The Calabrese Pizza	937
The Spinach Supreme Pizza	950
The Soppressata Pizza	961

18. Top 5 pizzas by total orders

SELECT pizza_name, COUNT(DISTINCT order_id) as total_orders
FROM pizza_sales
GROUP BY pizza_name
ORDER BY total_orders DESC
LIMIT 5;

pizza_name	total_orders
abc Filter	a <mark>b</mark> c Filter
The Classic Deluxe Pizza	2329
The Hawaiian Pizza	2280
The Pepperoni Pizza	2278
The Barbecue Chicken Pizza	2273
The Thai Chicken Pizza	2225

19. Bottom 5 pizzas by total orders

LIMIT 5;

SELECT pizza_name, COUNT(DISTINCT order_id) as total_orders
FROM pizza_sales
GROUP BY pizza_name
ORDER BY total_orders

total_orders
a <mark>b</mark> c Filter
480
912
918
918
938