Pizzas Sales SQL Queries

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

2. Obtain the datatype of each column
SELECT COLUMN_NAME,
    DATA_TYPE
FROM INFORMATION_SCHEMA.COLUMNS
WHERE TABLE_SCHEMA = "project"
    AND TABLE_NAME = "pizza_sales";	

3. 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);	

4. 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;	

5. *Total revenue* SELECT ROUND (SUM(total_price), 2) AS total_revenue FROM pizza_sales;	**total_revenue** abc Filter... 817860.05
6. *Average spending per order* SELECT SUM(total_price)/COUNT(DISTINCT order_id) AS avg_order_value FROM pizza_sales;	**avg_order_value** abc 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;	**total_orders** abc 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** abc 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_order** / **total_orders** Friday 3538 Monday 2794 Saturday 3158 Sunday 2624 Thursday 3239 Tuesday 2973 Wednesday 3024

11. 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
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
GROUP BY pizza_category;

pizza_category	sales_by_category	category_percen...
Classic	220053	26.91
Veggie	193690	23.68
Supreme	208197	25.46
Chicken	195920	23.96

13. Percentage of sales by pizza size

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
ORDER BY size_percentage DESC;

pizza_size	sales_by_size	size_percentage
L	375319	45.89
M	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
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

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

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

pizza_name	total_orders
The Brie Carre Pizza	480
The Mediterranean Pizza	912
The Calabrese Pizza	918
The Spinach Supreme Pizza	918
The Chicken Pesto Pizza	938