SALES REPORT

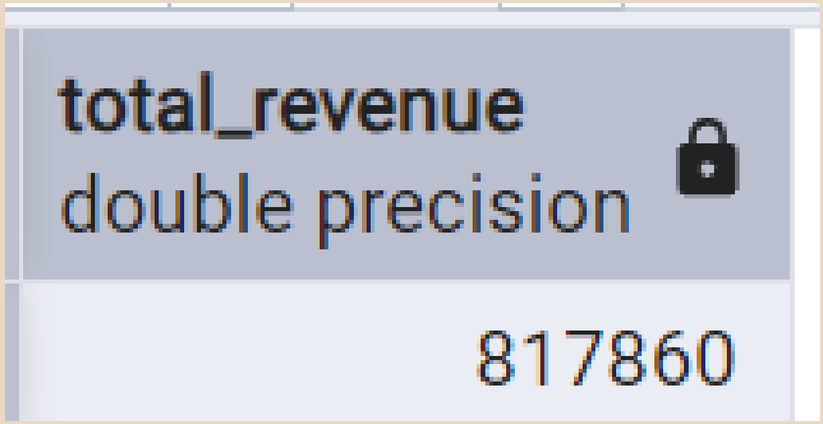
Jan, 2015 - Dec, 2015

INTRODUCTION

Welcome to our Sales Report Presentation. Today, we delve into a comprehensive overview of our sales performance, exploring the highs, challenges, and strategic insights that have shaped our journey. This presentation is more than just numbers, it's a narrative of our collective efforts, showcasing the impact of our sales strategies and the pathways to future success.

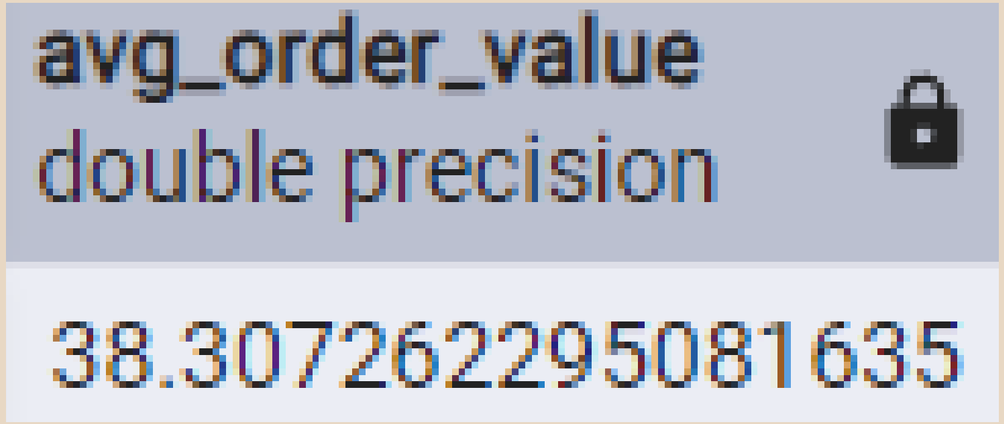
Calculate the total revenue generated from pizza sales

```sql
select
  round(
    sum (
      order_details.quantity * pizzas.price
    )
  ) as total_revenue
from
  order_details
  join pizzas on orded r_details.pizza_id = pizzas.pizza_i
```



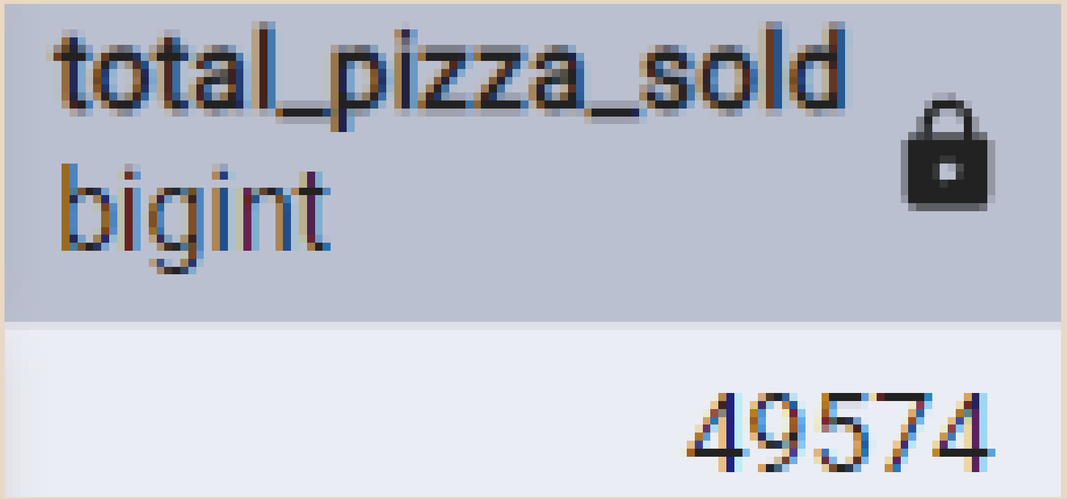
AVERAGE ORDER VALUE

```sql
SELECT
    (
        SUM(PIZZAS.PRICE * ORDER_DETAILS.QUANTITY) / COUNT(DISTINCT ORDERS.ORDER_ID)
    ) AS AVG_ORDER_VALUE
FROM
    ORDERS
    JOIN ORDER_DETAILS ON ORDERS.ORDER_ID = ORDER_DETAILS.ORDER_ID
    JOIN PIZZAS ON PIZZAS.PIZZA_ID = ORDER_DETAILS.PIZZA_ID
```



TOTAL PIZZA SOLD

```sql
SELECT
    SUM(ORDER_DETAILS.QUANTITY) AS TOTAL_PIZZA_SOLD
FROM
    ORDER_DETAILS
```

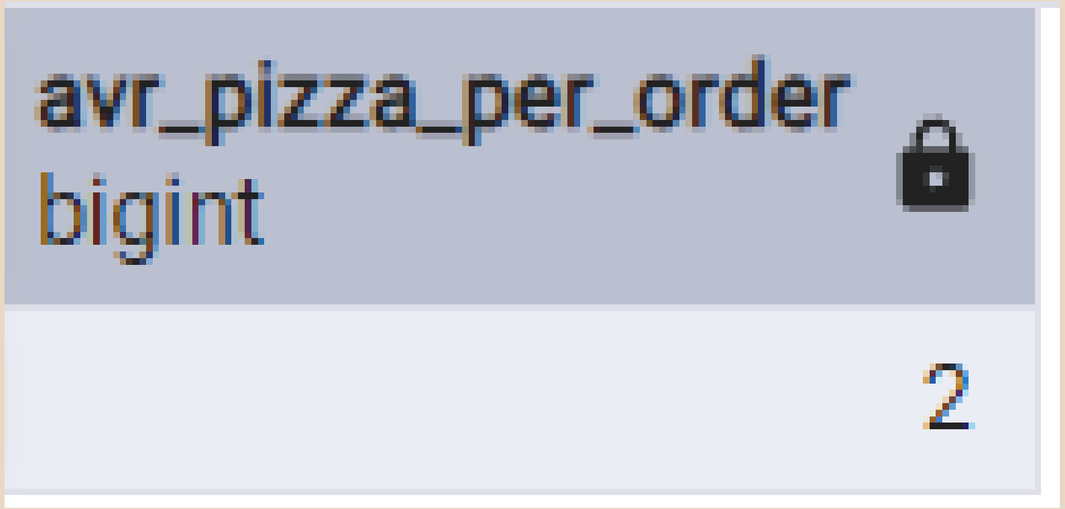


Retrieve the total number of orders placed

```sql
SELECT
    COUNT(DISTINCT (ORDER_ID)) AS TOTAL_ORDERS
FROM
    ORDERS;
```

AVERAGE PIZZA PER ORDER

```sql
SELECT
    SUM(ORDER_DETAILS.QUANTITY) / COUNT(DISTINCT (ORDER_DETAILS.ORDER_ID)) AS AVR_PIZZA_PER_ORDER
FROM
    ORDER_DETAILS
```



identify the highest priced pizza

```sql
SELECT
    PIZZA_TYPES.NAME,
    PIZZAS.PRICE
FROM
    PIZZAS
    JOIN PIZZA_TYPES ON PIZZA_TYPES.PIZZA_TYPE_ID = PIZZAS.PIZZA_TYPE
ORDER BY
    PIZZAS.PRICE DESC LIMIT 5 ;
```

name character varying	price double precision
The Greek Pizza	35.95
The Greek Pizza	25.5
The Brie Carre Pizza	23.65
The Italian Vegetables Pizza	21
The Chicken Pesto Pizza	20.75

PERCENTAGE OF SALES BY PIZZA SIZE

```sql
SELECT
    PIZZAS.SIZE,
    SUM(PIZZAS.PRICE * ORDER_DETAILS.QUANTITY) * 100.0 / (
        SELECT
            SUM(PIZZAS.PRICE * ORDER_DETAILS.QUANTITY)
        FROM
            ORDER_DETAILS
            JOIN PIZZAS ON PIZZAS.PIZZA_ID = ORDER_DETAILS.PIZZA_ID
    )
FROM
    ORDER_DETAILS
    JOIN PIZZAS ON PIZZAS.PIZZA_ID = ORDER_DETAILS.PIZZA_ID GROUP BY PIZZAS.SIZE;
```

size character varying	?column? double precision
S	21.773468455880682
XXL	0.12307729176892906
XL	1.7210768517181052
M	30.492044451859723
L	45.8903329487743

identify the most common pizza size ordered

```sql
SELECT
    PIZZAS.SIZE,
    COUNT(DISTINCT (ORDER_DETAILS.ORDER_ID)) AS ORDER_COUNT
FROM
    PIZZAS
    JOIN ORDER_DETAILS ON PIZZAS.PIZZA_ID = ORDER_DETAILS.PIZZA_ID
GROUP BY
    PIZZAS.SIZE
ORDER BY
    ORDER_COUNT DESC LIMIT
    3;
```

size character varying	order_count bigint
L	12736
M	11159
S	10490

list the 5 top most ordered pizza type along with their quantity

```sql
SELECT
    PIZZA_TYPES.NAME,
    COUNT(DISTINCT (ORDER_DETAILS.ORDER_ID)),
    SUM(ORDER_DETAILS.QUANTITY) AS QUANTITY
FROM
    ORDER_DETAILS
    JOIN PIZZAS ON PIZZAS.PIZZA_ID = ORDER_DETAILS.PIZZA_ID
    JOIN PIZZA_TYPES ON PIZZAS.PIZZA_TYPE_ID = PIZZA_TYPES.PIZZA_TYPE_ID
GROUP BY
    PIZZA_TYPES.NAME
ORDER BY
    QUANTITY DESC LIMIT
    5;
```

name character varying	count bigint	quantity bigint
The Classic Deluxe Pizza	2329	2453
The Barbecue Chicken Pizza	2273	2432
The Hawaiian Pizza	2280	2422
The Pepperoni Pizza	2278	2418
The Thai Chicken Pizza	2225	2371

join the necessary table to find the total quantity of each pizza category ordered

```sql
SELECT
    (PIZZA_TYPES.CATEGORY) AS CATEGORY,
    SUM(ORDER_DETAILS.QUANTITY) AS QUANTITY
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
    QUANTITY DESC;
```

category character varying	quantity bigint
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

determin the distribution of orders by hour of the day

```
SELECT
    EXTRACT(
        HOUR
        FROM
            ORDERS.TIME
    ) AS HOURS,
    COUNT(DISTINCT (ORDERS.ORDER_ID))
FROM
    ORDERS GROUP BY
    HOURS;
```

hours numeric	count bigint
9	1
10	8
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

join relevant table to find the category wise distribution of pizza

```sql
SELECT
    CATEGORY,
    COUNT(NAME)
FROM
    PIZZA_TYPES
GROUP BY
    CATEGORY;
```

category character varying	count bigint
Supreme	9
Chicken	6
Classic	8
Veggie	9

find the total order of each pizza category

```sql
SELECT
    (PIZZA_TYPES.CATEGORY) AS CATEGORY,
    COUNT(DISTINCT (ORDER_DETAILS.ORDER_ID)) AS COUNTS_ORDER
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
    COUNTS_ORDER DESC LIMIT
    4;
```

category character varying	counts_order bigint
Classic	10859
Supreme	9085
Veggie	8941
Chicken	8536