Pizzacoll.com

analytics

-- Retrieve the total number of orders placed.

```sql
SELECT
        COUNT(order_id) AS total_orders
FROM
        orders;
```

total_orders
21350

-- the total revenue generated from pizza sales.

```sql
SELECT
    ROUND(SUM(orders_details.quantity * pizzas.price), 2)
    AS total_revenue
FROM
    orders_details  JOIN pizzas
    ON pizzas.pizza_id = orders_details.pizza_id;
```

total_revenue
817860.05

-- the highest-priced pizza.

```
SELECT

        pizza_types.name, pizzas.price

FROM

        pizza_types JOIN pizzas
        ON
        pizza_types.pizza_type_idpizzas.pizza_type_id

ORDER BY

        pizzas.price DESC
        limit 20;
```

The Greek Pizza	35.95
The Greek Pizza	25.5
The Brie Carrie Pizza	23.65
The Italian Vegetables Pizza	21.00
The Barbecue Chicken Pizza	20.75
The Spinach Supreme Pizza	20.75
The Italian Supreme Pizza	20.75
The California Chicken Pizza	20.75
The Thai Chicken Pizza	20.75
The Spinach Pesto Pizza	20.75
The Chicken Alfredo Pizza	20.75
The Suppressant Pizza	20.75
The Pepper Salami Pizza	20.75
The Chicken Pesto Pizza	20.75
The Prosciutto and Arugula Pizza	20.75
The Spicy Italian Pizza	20.75
The Southwest Chicken Pizza	20.75
The Big Meat Pizza	20.5
The Greek Pizza	20.5
The Classic Deluxe Pizza	20.5

-- the most common pizza size ordered.

```sql
SELECT
    pizzas.size, COUNT(orders_details.order_details_id)AS order_count
FROM
    pizzas JOIN orders_details
    ON pizzas.pizza_id = orders_details.pizza_id
GROUP BY
    pizzas.size
ORDER BY
    order_count DESC;
```

L	18526
M	15385
S	14137
XL	544
XXL	28

LARGE   **MEDIUM**   **SMALL**
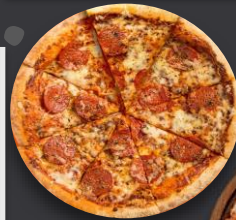
the top 5 most ordered pizza types.

```
SELECT
        pizza_types.name, SUM(orders_details.quantity)order_quantity
FROM

        pizza_types JOIN pizzas
        ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN orders_details ON orders_details.pizza_id = pizzas.pizza_id
GROUP BY
        pizza_types.name
ORDER BY
        order_quantity DESC LIMIT 5;
```

The Classic Deluxe Pizza   2453
The Barbecue Chicken Pizza   2432
The Hawaiian Pizza   2422
The Pepperoni Pizza   2418
The Thai Chicken Pizza   2371

-- Each pizza category by order

SELECT

    pizza_types.category, SUM(orders_details.quantity) AS order_quantity

FROM

    pizza_types JOIN pizzas
    ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN orders_details
    ON orders_details.pizza_id = pizzas.pizza_id

GROUP BY

    pizza_types.category

ORDER

    BY order_quantity DESC;

category	order_quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

Distribution of orders by hour of the day.

```
SELECT
        HOUR(orders.order_time) AS hours,
        SUM(orders_details.quantity) AS quantity

FROM

        orders
        JOIN orders_details
        ON orders.order_id = orders_details.order_id
GROUP BY

        hoursORDER BY order_quantity DESC;
```

Hours	quantity
12	6776
13	6413
18	5417
17	5211
19	4406
16	4239
14	3613
20	3534
15	3216
11	2728
21	2545
22	1386
23	68
10	18
9	4

The category-wise distribution of pizzas.

```sql
Select
        category,count(name) as pizzas_types from
        pizza_types
group by
        category
```

category	pizzas_types
Chicken	6
Classic	8
Supreme	9
Veggie	9

The average number of pizzas ordered per day.

Select

round(avg(total_orderd),0) as avrage_order_per_day

From

(select orders.order_date as date,   sum(orders_details.quantity)
as total_orderd

From

orders
join orders_details on orders.order_id = orders_details.order_id

group by

date)
as order_quantity;

'138'

top 5 most ordered pizza types byb revenue.

```
SELECT
          pizza_types.name AS pizzas,
          SUM(orders_details.quantity * pizzas.price) AS revenue

FROM

          pizza_types JOIN pizzas
          ON pizza_types.pizza_type_id = pizzas.pizza_type_id
          JOIN orders_details ON pizzas.pizza_id = orders_details.pizza_id
GROUP BY

          pizzas
ORDER BY

          revenue DESC LIMIT 5;
```

Pizzas	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

percentage contribution of each pizza type to total revenue.

```sql
Select
            pizza_types.category, round((sum(pizzas.price * orders_details.quantity)
            /(select
                        round(sum(orders_details.quantity * pizzas.price), 2)
                        from orders_details join pizzas
                        on pizzas.pizza_id = orders_details.pizza_id)
            )*100,2)as revenue
From

            pizza_types join pizzas
            on pizza_types.pizza_type_id = pizzas.pizza_type_id
            join orders_details on pizzas.pizza_id = orders_details.pizza_id
group by

            pizza_types.category
```

category	revenue_percentage
Classic	26.91
Veggie	23.68
Supreme	25.46
Chicken	23.96

Cumulative revenue generated over time.

```
Select
        order_date,(sum(revenue) over(order by order_date)) as cum_revenuefrom
(select
                orders.order_date, sum(pizzas.price * orders_details.quantity)
                as revenue
        from
                orders_details join pizzas
                        on orders_details.pizza_id = pizzas.pizza_id
                join orders
                        on orders.order_id = orders_details.order_id
                group by orders.order_date)
        as sales_per_day;
```

order_date	cum_revenue
2015-12-27	810615.8
2015-12-26	809196.8
2015-12-24	807553.75
2015-12-23	805415.9
2015-12-22	803171.6
2015-12-21	801288.65
2015-12-20	799187.95
2015-12-19	797083.05
2015-12-18	794778.85
2015-12-17	791892.55
2015-12-16	790011.8
2015-12-15	787777
2015-12-14	785389.55
2015-12-13	783216.95
2015-12-12	780971.8
2015-12-11	779011.65
2015-12-10	776377.65
2015-12-09	774392.05
2015-12-08	771820.5
2015-12-07	769964.25
2015-12-06	767549.45
2015-12-05	765199.2
2015-12-04	762571.25
2015-12-03	759692.9
2015-12-02	757449.7
2015-12-01	755235.6

most ordered pizza types based on revenue for each pizza category.

Select

    category, name, revenue

From

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

        pizza_types.category, pizza_types.name, sum(pizzas.price * orders_details.quantity)
        as revenue
    from

        pizza_types join pizzas
        on pizza_types.pizza_type_id = pizzas.pizza_type_id
        join orders_details on orders_details.pizza_id = pizzas.pizza_id
    group by category, name) as t1) as t2

category	name	revenue
Chicken	The Thai Chicken Pizza	43434.25
Chicken	The Barbecue Chicken Pizza	42768
Chicken	The California Chicken Pizza	41409.5
Classic	The Classic Deluxe Pizza	38180.5
Classic	The Hawaiian Pizza	32273.25
Classic	The Pepperoni Pizza	30161.75
Supreme	The Spicy Italian Pizza	34831.25
Supreme	The Italian Supreme Pizza	33476.75
Supreme	The Sicilian Pizza	30940.5
Veggie	The Four Cheese Pizza	32265.70
Veggie	The Mexicana Pizza	26780.75
Veggie	The Five Cheese Pizza	26066.5