1. What hours of the day had the highest order count?

```sql
SELECT
 COUNT (Order_ID) AS order_count,
 order_time
FROM
 my-data-project-401909.restaurant_orders.orders
GROUP BY
 order_time
ORDER BY
 order_count DESC
LIMIT 10
```

2. What is the average customer rating of food and which restaurants are above and below average?

```sql
SELECT
 restaurants.RestaurantName,
 restaurants.Cuisine,
 orders.Customer_Rating_Food
FROM
 my-data-project-401909.restaurant_orders.orders
LEFT JOIN
 my-data-project-401909.restaurant_orders.restaurants ON
 orders.Restaurant_ID = restaurants.RestaurantID
WHERE
 Customer_Rating_Food = 5
LIMIT 20
```

3. Which zones registered the highest orders and how does it relate to category?

```sql
SELECT
  restaurants.Zone AS zone,
 restaurants.Category AS category,
 COUNT (orders.Order_ID) AS order_count
FROM
 my-data-project-401909.restaurant_orders.orders
LEFT JOIN
 my-data-project-401909.restaurant_orders.restaurants ON
 orders.Restaurant_ID = restaurants.RestaurantID
GROUP BY
 zone, category
ORDER BY
 order_count DESC
```

4. Which customers made the most orders and what payment mode was used?

```sql
SELECT
 Customer_Name,
 COUNT (Order_ID) AS order_count,
 Payment_Mode
FROM
 my-data-project-401909.restaurant_orders.orders
GROUP BY
 Customer_Name, Payment_Mode
ORDER BY
 order_count DESC
LIMIT 10
```

5. What is the correlation between delivery time taken and delivery rating?

```sql
SELECT
  Delivery_Time_Taken__mins_ AS Delivery_Time,
  Customer_Rating_Delivery
FROM
 my-data-project-401909.restaurant_orders.orders
LIMIT 30
```

```sql
SELECT
  CORR (Delivery_Time_Taken__mins_, Customer_Rating_Delivery) AS Delivery_Time,
FROM
 my-data-project-401909.restaurant_orders.orders
```

6. What is the standard deviation of orders per restaurant?

```sql
SELECT
  restaurant_name,
  AVG(order_amount) AS avg_order_amount,
  STDDEV(order_amount) AS stddev_order_amount
FROM (
  SELECT
    orders.Order_Amount AS order_amount,
    restaurants.RestaurantName AS restaurant_name
  FROM
    my-data-project-401909.restaurant_orders.orders
  LEFT JOIN
    my-data-project-401909.restaurant_orders.restaurants ON
    orders.Restaurant_ID = restaurants.RestaurantID
) AS subquery
```

```sql
GROUP BY
    restaurant_name;
```