

Get a list of customers who made a purchase on each market date

```
SELECT
    market_date,
    customer_id,
FROM `farmers_market.customer_purchases`
GROUP BY market_date, customer_id
```

Count the number of purchases each customer made on each market date

```
SELECT
    market_date,
    customer_id,
    COUNT(*) AS total_num_prchs
FROM `farmers_market.customer_purchases`
GROUP BY market_date, customer_id
ORDER BY market_date, customer_id
```

Calculate the total quantity purchased by each customer per market_date

```
SELECT
    market_date,
    customer_id,
    SUM(quantity) AS total_qty
FROM `farmers_market.customer_purchases`
GROUP BY market_date, customer_id
ORDER BY market_date, customer_id;
```

How many different kinds of products were purchased by each customer on each market_date?

```
SELECT
    market_date,
    customer_id,
    COUNT(*) AS total_num_prchs,
    COUNT(product_id) AS total_products,
    COUNT(DISTINCT product_id) AS total_diff_products
FROM `farmers_market.customer_purchases`
GROUP BY market_date, customer_id
ORDER BY market_date, customer_id
```

Calculate the total_amt paid by customer_id 3 per market_date

```
SELECT
    market_date,
    customer_id,
    SUM(quantity * cost_to_customer_per_qty) AS total_amt_spent
FROM `farmers_market.customer_purchases`
WHERE customer_id = 3
GROUP BY market_date, customer_id
ORDER BY market_date
```

Find out the least and most expensive item's prices in the vendor_inventory

MIN()

MAX()

Find out the least and most expensive item's prices in the vendor_inventory per product category.

```
SELECT
    pc.product_category_id,
    pc.product_category_name,
    MIN(vi.original_price) AS least_expensive,
    MAX(vi.original_price) AS most_expensive
FROM `farmers_market.vendor_inventory` AS vi
INNER JOIN `farmers_market.product` AS p
ON vi.product_id = p.product_id
INNER JOIN `farmers_market.product_category` AS pc
ON p.product_category_id = pc.product_category_id
GROUP BY pc.product_category_id, pc.product_category_name
```

Find the average amount spent on each market_date. We want to consider only those dates where the number of purchases were more than 3 and the transaction amount for each purchase was greater than 5.