

1. Data type of all columns in the "customers" table.
- 1.

The screenshot shows the 'customers' table schema in a database interface. The table has five columns: customer\_id, customer\_unique\_id, customer\_zip\_code\_prefix, customer\_city, and customer\_state. The data types are STRING, STRING, INTEGER, STRING, and STRING respectively. All columns are nullable. A tooltip 'Add to query in split tab' is visible over the 'customer\_unique\_id' column.

| Field name               | Type    | Mode     |
|--------------------------|---------|----------|
| customer_id              | STRING  | NULLABLE |
| customer_unique_id       | STRING  | NULLABLE |
| customer_zip_code_prefix | INTEGER | NULLABLE |
| customer_city            | STRING  | NULLABLE |
| customer_state           | STRING  | NULLABLE |

2. 2. Get the time range between which the orders were placed.

2. `select max(order_purchase_timestamp) as Last_date_of_order_,  
min(order_purchase_timestamp) as  
Date_of_first_order,date_diff(max(order_purchase_timestamp),min(order_purcha  
se_timestamp),day) as Time_span_in_days_between_orders from  
'customers.orders'`
- 1.

The screenshot shows a SQL query execution interface. The query is: `select max(order_purchase_timestamp) as Last_date_of_order_, min(order_purchase_timestamp) as Date_of_first_order, date_diff(max(order_purchase_timestamp),min(order_purchase_timestamp),day) as Time_span_in_days_between_orders from 'customers.orders'`. The query is completed. The results are shown in a table with four columns: Last\_date\_of\_order\_, Date\_of\_first\_order, Time\_span\_in\_days\_between\_orders, and an empty column. The first row shows the results for the query.

| Row | Last_date_of_order_     | Date_of_first_order     | Time_span_in_days_between_orders |  |
|-----|-------------------------|-------------------------|----------------------------------|--|
| 1   | 2018-10-17 17:30:18 UTC | 2016-09-04 21:15:19 UTC | 772                              |  |

`select customer_city,count(customer_city) as  
Total_no_of_cities_based_on_order_placed, customer_state,count`

```
(customer_state) as Total_no_of_states_based_on_order_placed
from `customers.customers` where customer_id in (select
customer_id from `customers.orders` where
order_purchase_timestamp between '2017-11-25 11:10:33' and
'2018-01-13 15:41:34') group by customer_city,customer_state
```

Qn:

```
Qy: select 'No_of_cities' as Category,count(distinct
customer_city)as Stastistics from `customers.customers`
```

```
union all
```

```
select 'No_of_states' as Category,count(distinct
customer_state) as Stastistics from `customers.customers`
```

Untitled ▶ RUN 📄 SAVE 👤 SHARE 🕒 SCHEDULE ⚙️ MORE ✅ Query completed.

```

1
2 select 'No_of_cities' as Category,count(distinct customer_city)as Stastistics from `customers.customers`
3 union all
4 select 'No_of_states' as Category,count(distinct customer_state) as Stastistics from `customers.customers`

```

Press Alt+F1 for Accessibility Options.

Query results 📄 SAVE RESULTS 📊 EXPLORE DATA

JOB INFORMATION **RESULTS** JSON EXECUTION DETAILS CHART **PREVIEW** EXECUTION GRAPH

| Row | Category     | Statistics |
|-----|--------------|------------|
| 1   | No_of_states | 27         |
| 2   | No_of_cities | 4119       |

## 2.1

```
select count(order_id) as No_of_orders,(extract(year FROM
order_purchase_timestamp)) as Year_of_orders from `customers.orders` group by
Year_of_orders order by Year_of_orders
```

Untitled
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✓ This query will process 3.98 MB

```

1 select count(order_id) as No_of_orders,(extract(year FROM order_purchase_timestamp)) as Year_of_orders from
   `customers.orders` group by Year_of_orders order by Year_of_orders

```

Press Alt+F1 for Accessibility Options

## Query results

[SAVE RESULTS](#)
[EXPLORE DATA](#)

| JOB INFORMATION | RESULTS      | JSON           | EXECUTION DETAILS | CHART | PREVIEW | EXECUTION GRAPH |
|-----------------|--------------|----------------|-------------------|-------|---------|-----------------|
| Row             | No_of_orders | Year_of_orders |                   |       |         |                 |
| 1               | 329          | 2016           |                   |       |         |                 |
| 2               | 45101        | 2017           |                   |       |         |                 |
| 3               | 54011        | 2018           |                   |       |         |                 |

## 2.2

```

select extract(month FROM order_purchase_timestamp) as Month,count(order_id) as
No_of_orders
  from `customers.orders` group by Month
order by Month

```

Untitled
RUN
SAVE
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MORE
✓ Query completed.

```

1 select extract(month FROM order_purchase_timestamp) as Month,count(order_id) as No_of_orders
2 | from `customers.orders` group by Month
3 order by Month

```

Press Alt+F1 for Accessibility Options

## Query results

[SAVE RESULTS](#)
[EXPLORE DATA](#)

| JOB INFORMATION | RESULTS | JSON         | EXECUTION DETAILS | CHART | PREVIEW | EXECUTION GRAPH |
|-----------------|---------|--------------|-------------------|-------|---------|-----------------|
| Row             | Month   | No_of_orders |                   |       |         |                 |
| 3               | 3       | 9893         |                   |       |         |                 |
| 4               | 4       | 9343         |                   |       |         |                 |
| 5               | 5       | 10573        |                   |       |         |                 |
| 6               | 6       | 9412         |                   |       |         |                 |
| 7               | 7       | 10318        |                   |       |         |                 |
| 8               | 8       | 10843        |                   |       |         |                 |
| 9               | 9       | 4305         |                   |       |         |                 |
| 10              | 10      | 4959         |                   |       |         |                 |
| 11              | 11      | 7544         |                   |       |         |                 |
| 12              | 12      | 5674         |                   |       |         |                 |

Results per page: 50 1 – 12 of 12

## 2.3

```
1
2 select case when (extract(hour FROM order_purchase_timestamp)) between
3 | when (extract(hour FROM order_purchase_timestamp)) between 18 and 23
4 when (extract(hour FROM order_purchase_timestamp)) between 6 and 11 then
5 when (extract(hour FROM order_purchase_timestamp)) between 12 and 17 then
6 end as Time_of_the_day_when_orders_were_placed, count(order_id) as No_of_orders
7 group by Time_of_the_day_when_orders_were_placed order by No_of_orders
8 desc
9
```

## Query results

DB INFORMATION RESULTS JSON EXECUTION DETAILS CH

|   | Time_of_the_day_when_orders_were_placed | No_of_orders_placed |  |
|---|---|---------------------|--|
| 1 | Afternoon                               | 38361               |  |
| 2 | Night                                   | 34100               |  |
| 3 | Morning                                 | 22240               |  |
| 4 | Dawn                                    | 4740                |  |

## 3.2

Untitled

RUN

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MORE

Query completed.

```
select customer_state as Name_of_the_state,count(customer_unique_id) as No_of_customers from `customers.customers`
group by customer_state
```

Press Alt+F1 for Accessibility Option

Query results

SAVE RESULTS

EXPLORE DATA

B INFORMATION

RESULTS

JSON

EXECUTION DETAILS

CHART

PREVIEW

EXECUTION GRAPH

|   | Name_of_the_state | No_of_customers |
|---|-------------------|-----------------|
| 1 | RN                | 485             |
| 2 | CE                | 1336            |
| 3 | RS                | 5466            |
| 4 | SC                | 3637            |
| 5 | SP                | 41746           |
| 6 | MG                | 11635           |
| 7 | BA                | 3380            |
| 8 | RJ                | 12852           |
| 9 | GO                | 2020            |
| 0 | MA                | 747             |

Results per page: 50 1 - 27 of 27

Untitled

RUN

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SCHEDULE

MORE

Query completed.

```
1 --Get the month on month no. of orders placed in each state.
2 select count(o.order_id) as No_of_orders, c.customer_state as State , extract(month from o.
order_purchase_timestamp) as Month from `customers.customers` c join `customers.orders` o using(customer_id)
```

Press Alt+F1 for Accessibility Options.

Query results

SAVE RESULTS

EXPLORE DATA

JOB INFORMATION

RESULTS

JSON

EXECUTION DETAILS

CHART

PREVIEW

EXECUTION GRAPH

| ow | No_of_orders | State | Month |
|----|--------------|-------|-------|
| 1  | 8            | AC    | 1     |
| 2  | 39           | AL    | 1     |
| 3  | 12           | AM    | 1     |
| 4  | 11           | AP    | 1     |
| 5  | 264          | BA    | 1     |
| 6  | 99           | CE    | 1     |
| 7  | 151          | DF    | 1     |
| 8  | 159          | ES    | 1     |
| 9  | 164          | GO    | 1     |
| 10 | 66           | MA    | 1     |

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PERSONAL HISTORY

PROJECT HISTORY

REFRESH

## 3:2

How are the customers distributed across all the states?  
96136,96096,99441,99441,99441,99441

```
select count(distinct c.customer_unique_id) as No_of_unique_customers,
c.customer_state as State from `customers.customers` as c join `customers.orders`
as o on c.customer_id=o.customer_id group by c.customer_state order by
c.customer_state
```

Untitled RUN SAVE SHARE SCHEDULE MORE Query completed.

```

1 --How are the customers distributed across all the states? 96136,96096,99441,99441,99441,99441
2 select count(distinct c.customer_unique_id) as No_of_unique_customers, c.customer_state as State from `customers`.

```

Press Alt+F1 for Accessibility Options.

Query results SAVE RESULTS EXPLORE DATA

JOB INFORMATION **RESULTS** JSON EXECUTION DETAILS CHART **PREVIEW** EXECUTION GRAPH

| Row | No_of_unique_customers | State |
|-----|------------------------|-------|
| 1   | 77                     | AC    |
| 2   | 401                    | AL    |
| 3   | 143                    | AM    |
| 4   | 67                     | AP    |
| 5   | 3277                   | BA    |
| 6   | 1313                   | CE    |
| 7   | 2075                   | DF    |
| 8   | 1964                   | ES    |
| 9   | 1952                   | GO    |
| 10  | 726                    | MA    |

Results per page: 50 1 - 27 of 27

4:1

```

select o.order_id,payment_value,lead(payment_value) over (order by payment_value
asc) as cost_of_order_lead_value , case when (lead(payment_value) over (order by
payment_value asc)-payment_value) >1 then ((lead(payment_value) over (order by
payment_value asc)-payment_value)/payment_value)*.01
when (lead(payment_value) over (order by payment_value asc)-payment_value) =0 then
0
when payment_value=0 then 0
else -((lead(payment_value) over (order by payment_value asc)-
payment_value)/payment_value)*.01 end as Percentage_increase from
`customers.payments` p join `customers.orders` o on o.order_id=p.order_id where
o.order_purchase_timestamp between '2017-01-01' and '2018-08-31' order by
payment_value,cost_of_order_lead_value

```

Untitled

RUN

SAVE

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SCHEDULE

MORE

1

```
select o.order_id, payment_value, lead(payment_value) over (order by payment_value asc) as cost_of_order_lead_value, case when (lead(payment_value) over (order by payment_value asc) - payment_value) > 1 then
```

Press Alt+F1 for Accessibility Options.

Query results

SAVE RESULTS

EXPLORE DATA

JOB INFORMATION

RESULTS

JSON

EXECUTION DETAILS

CHART

PREVIEW

EXECUTION GRAPH

| Row    | order_id                      | payment_value | cost_of_order_lead_y | Percentage_increase |
|--------|-------------------------------|---------------|----------------------|---------------------|
| 103510 | 8dbc85d1447242f3b127dda39...  | 4681.78       | 4764.34              | 0.000176343185...   |
| 103511 | 199af31afc78c699f0dbf71fb1... | 4764.34       | 4809.44              | 9.466159006284...   |
| 103512 | b4c4b76c642808cbe472a32b8...  | 4809.44       | 4950.34              | 0.000292965501...   |
| 103513 | a96610ab360d42a2e5335a399...  | 4950.34       | 6081.54              | 0.002285095569...   |
| 103514 | 2cc9089445046817a7539d90...   | 6081.54       | 6726.66              | 0.001060783946...   |
| 103515 | f5136e38d1a14a4dbd87dff67d... | 6726.66       | 6922.21              | 0.000290708910...   |
| 103516 | fefacc66af859508bf1a7934ea... | 6922.21       | 6929.31              | 1.025683993984...   |
| 103517 | 0812eb902a67711a1cb742b3c...  | 6929.31       | 7274.88              | 0.000498707663...   |
| 103518 | 736e1922ae60d0d6a89247b8...   | 7274.88       | 13664.08             | 0.008782550365...   |
| 103519 | 03caa2c082116e1d31e67e9ae...  | 13664.08      | null                 | null                |

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5:1 b

```
select order_id,
abs(date_diff(order_purchase_timestamp,order_delivered_customer_date,day)) as
No_of_days_taken_for_the_order_to_be_delivered from
`customers.orders`
```

\*Untitled

RUN

SAVE

SHARE

SCHEDULE

MORE

1

```
select order_id, abs(date_diff(order_purchase_timestamp,order_delivered_customer_date,day)) as
No_of_days_taken_for_the_order_to_be_delivered from `customers.orders`
```

Press Alt+F

Query results

SAVE RESULTS

EXPLORE DATA

JOB INFORMATION

RESULTS

JSON

EXECUTION DETAILS

CHART

PREVIEW

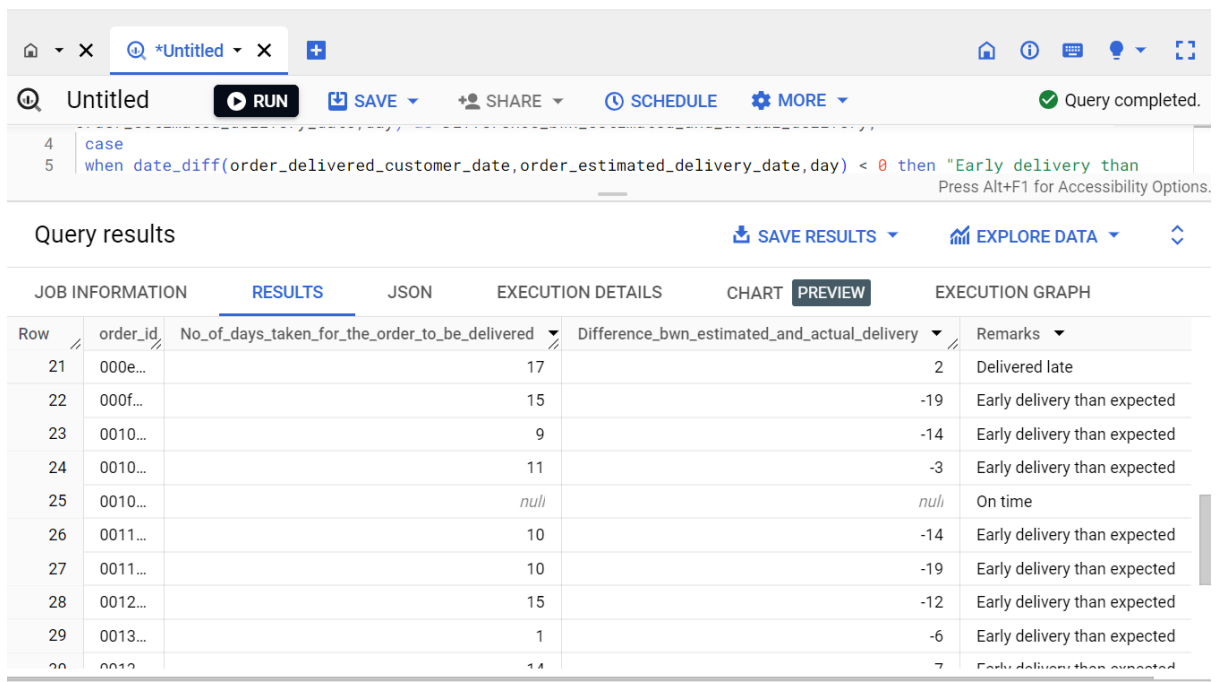
EXECUTION GRAPH

| Row | order_id     | No_of_days_taken_for_the_order_to_be_delivered |
|-----|--------------|--|
| 1   | 1950d777...  | 30   |
| 2   | 2c45c33d...  | 30   |
| 3   | 65d1e226...  | 35   |
| 4   | 635c894d...  | 30   |
| 5   | 3b97562c...  | 32   |
| 6   | 68f47f50f... | 29   |
| 7   | 276e9ec3...  | 43   |
| 8   | 54e1a3c2...  | 40   |
| 9   | fd04fa410... | 37   |
| 10  | 302bb810...  | 33   |

Results per page: 50 1 – 50 of 99441

5:1

```
select
order_id, date_diff(order_delivered_customer_date, order_purchase_timestamp, day) as
No_of_days_taken_for_the_order_to_be_delivered
, date_diff(order_delivered_customer_date, order_estimated_delivery_date, day) as
Difference_bwn_estimated_and_actual_delivery,
case
when date_diff(order_delivered_customer_date, order_estimated_delivery_date, day) <
0 then "Early delivery than expected"
when date_diff(order_delivered_customer_date, order_estimated_delivery_date, day) >
0 then "Delivered late"
else
"On time"
end as Remarks from `customers.orders` order by order_id
```



The screenshot shows a SQL query editor interface. At the top, there's a toolbar with icons for home, search, and other functions. Below the toolbar, the query text is displayed in a monospace font. The query is a SELECT statement that calculates the number of days taken for an order to be delivered and the difference between the estimated and actual delivery dates. It also includes a CASE statement to categorize the delivery status as 'Early delivery than expected', 'Delivered late', or 'On time'. The query is executed, and the results are shown in a table below. The table has five columns: Row, order\_id, No\_of\_days\_taken\_for\_the\_order\_to\_be\_delivered, Difference\_bwn\_estimated\_and\_actual\_delivery, and Remarks. The results show 10 rows of data, with the first row being 'Delivered late' and the others being 'Early delivery than expected' or 'On time'.

| Row | order_id | No_of_days_taken_for_the_order_to_be_delivered | Difference_bwn_estimated_and_actual_delivery | Remarks                      |
|-----|----------|--|--|------------------------------|
| 21  | 000e...  | 17   | 2  | Delivered late               |
| 22  | 000f...  | 15   | -19  | Early delivery than expected |
| 23  | 0010...  | 9  | -14  | Early delivery than expected |
| 24  | 0010...  | 11   | -3   | Early delivery than expected |
| 25  | 0010...  | null   | null   | On time                      |
| 26  | 0011...  | 10   | -14  | Early delivery than expected |
| 27  | 0011...  | 10   | -19  | Early delivery than expected |
| 28  | 0012...  | 15   | -12  | Early delivery than expected |
| 29  | 0013...  | 1  | -6   | Early delivery than expected |
| 30  | 0013...  | 14   | 7  | Early delivery than expected |

```
5:2select count(o.order_id)as No_of_orders, sum(freight_value)as
Total_freight_value, sum(freight_value)/count(o.order_id) as
Increasing_order_of_the_avg_freight_value, c.customer_state as State, row_number()
over(order by sum(freight_value)/count(o.order_id)) as Order_of_the_states from
`customers.order_items` as i join `customers.orders` as o on i.order_id =o.order_id
join `customers.customers` as c on c.customer_id=o.customer_id group by
c.customer_state
```



|          |     |      |       |          |      |                  |
|----------|-----|------|-------|----------|------|------------------|
| Untitled | RUN | SAVE | SHARE | SCHEDULE | MORE | Query completed. |
|----------|-----|------|-------|----------|------|------------------|

```

1 select count(o.order_id)as No_of_orders,sum(freight_value)as Total_freight_value,sum(freight_value)/count(o.order_id) as Increasing_order_of_the_avg_freight_value,c.customer_state as State,row_number() over(order by sum

```

Press Alt+F1 for Accessibility Options.

Query results [SAVE RESULTS](#) [EXPLORE DATA](#)

| JOB INFORMATION | RESULTS      | JSON                | EXECUTION DETAILS                         | CHART | PREVIEW             | EXECUTION GRAPH |
|-----------------|--------------|---------------------|---|-------|---------------------|-----------------|
| Row             | No_of_orders | Total_freight_value | Increasing_order_of_the_avg_freight_value | State | Order_of_the_states |                 |
| 1               | 47449        | 718723.0699999...   | 15.147275390418836                        | SP    | 1                   |                 |
| 2               | 5740         | 117851.6800000...   | 20.531651567944493                        | PR    | 2                   |                 |
| 3               | 13129        | 270853.4600000...   | 20.630166806306921                        | MG    | 3                   |                 |
| 4               | 14579        | 305589.3100000...   | 20.960923931682579                        | RJ    | 4                   |                 |
| 5               | 2406         | 50625.499999999...  | 21.041354945968333                        | DF    | 5                   |                 |
| 6               | 4176         | 89660.260000000...  | 21.470368773946465                        | SC    | 6                   |                 |
| 7               | 6235         | 135522.7400000...   | 21.735804330393282                        | RS    | 7                   |                 |
| 8               | 2256         | 49764.599999999...  | 22.058776595744632                        | ES    | 8                   |                 |
| 9               | 2333         | 53114.979999999...  | 22.7668152593227                          | GO    | 9                   |                 |
| 10              | 819          | 19144.030000000...  | 23.374884004884013                        | MS    | 10                  |                 |

Results per page: 50 1 - 27 of 27

- Find the month on month no. of orders placed using different payment types.

```

select count(p.order_id) as No_of_orders , p.payment_type,
extract(month FROM o.order_purchase_timestamp) as month from
`customers.orders` o join `customers.payments`
p using(order_id) group by extract(month FROM
o.order_purchase_timestamp),p.payment_type

```

```

--select count(p.order_id) as No_of_orders, p.payment_type,
FORMAT_date("%B",o.order_purchase_timestamp) as Month from
`customers.orders` o join `customers.payments`
p using(order_id) group
by FORMAT_date("%B",o.order_purchase_timestamp),p.
payment_type order by order_purchase_timestamp
select date_diff(order_delivered_customer_date,order_estimated_delivery_date,day)
as Difference_bwn_estimated_and_actual_delivery,c.customer_state as State from
`customers.customers` c join `customers.orders` o on
o.customer_id=c.customer_id where
date_diff(order_delivered_customer_date,order_estimated_delivery_date,day) is not
null group by State,Difference_bwn_estimated_and_actual_delivery order by
Difference_bwn_estimated_and_actual_delivery limit 5

```

```

5:3 select count(o.order_id)
Orders,c.customer_state,o.order_delivered_customer_date
,date_diff(o.order_delivered_customer_date,order_purchase_timestamp,day) as
Delivery_time,sum(date_diff(o.order_delivered_customer_date,order_purchase_timestam
p,day))/count(o.order_id) as Average_delivery_time from `customers.customers` c
join `customers.orders` o using(customer_id) group by c.customer_state,
date_diff(o.order_delivered_customer_date,order_purchase_timestamp,day),o.order_de
livered_customer_date

```

Untitled **RUN** **SAVE** **SHARE** **SCHEDULE** **MORE** Query completed.

```

1 select date_diff(order_delivered_customer_date,order_estimated_delivery_date,day) as
Difference_bwn_estimated_and_actual_delivery,c.customer_state as State from `customers.customers` c join
`customers.orders` o on o.customer_id=c.customer_id where date_diff(order_delivered_customer_date,
order_estimated_delivery_date,day) is not null group by State,Difference_bwn_estimated_and_actual_delivery order
by Difference_bwn_estimated_and_actual_delivery limit 5

```

Press Alt+F1 for Accessibility Options.

### Query results

**SAVE RESULTS**

**EXPLORE DATA**

| JOB INFORMATION |                      | RESULTS | JSON | EXECUTION DETAILS | CHART | PREVIEW | EXECUTION GRAPH |
|-----------------|----------------------|---------|------|-------------------|-------|---------|-----------------|
| Row             | Difference_bwn_estir | State   |      |                   |       |         |                 |
| 1               | -146                 | SP      |      |                   |       |         |                 |
| 2               | -139                 | MA      |      |                   |       |         |                 |
| 3               | -134                 | RS      |      |                   |       |         |                 |
| 4               | -123                 | SP      |      |                   |       |         |                 |
| 5               | -108                 | RJ      |      |                   |       |         |                 |

Untitled **RUN** **SAVE** **SHARE** **SCHEDULE** **MORE** Query completed.

```

1 select count(p.order_id) as No_of_orders , p.payment_type, extract(month FROM o.order_purchase_timestamp) as month
from `customers.orders` o join `customers.payments` p using(order_id) group by extract(month FROM o.

```

Press Alt+F1 for Accessibility Options.

### Query results

**SAVE RESULTS**

**EXPLORE DATA**

| JOB INFORMATION |              | RESULTS      | JSON  | EXECUTION DETAILS | CHART | PREVIEW | EXECUTION GRAPH |
|-----------------|--------------|--------------|-------|-------------------|-------|---------|-----------------|
| Row             | No_of_orders | payment_type | month |                   |       |         |                 |
| 1               | 1509         | UPI          | 11    |                   |       |         |                 |
| 2               | 4378         | credit_card  | 12    |                   |       |         |                 |
| 3               | 1723         | UPI          | 2     |                   |       |         |                 |
| 4               | 5897         | credit_card  | 11    |                   |       |         |                 |
| 5               | 572          | voucher      | 4     |                   |       |         |                 |
| 6               | 7841         | credit_card  | 7     |                   |       |         |                 |
| 7               | 2074         | UPI          | 7     |                   |       |         |                 |
| 8               | 8350         | credit_card  | 5     |                   |       |         |                 |
| 9               | 3778         | credit_card  | 10    |                   |       |         |                 |
| 10              | 6103         | credit_card  | 1     |                   |       |         |                 |

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**REFRESH**

PERSONAL HISTORY

PROJECT HISTORY

4:2

```

select c.customer_state, count(o.order_id)as
No_of_orders,round(sum(price),2) as
Total_cost_of_all_orders_made,
round(sum(price)/count(o.order_id),2) as Average_price from
`customers.order_items` as i join `customers.orders` as o on
i.order_id =o.order_id join `customers.customers` as c on
c.customer_id=o.customer_id group by c.customer_state order by
c.customer_state

```

|  |                |              |                       |               |  |
|--|----------------|--------------|-----------------------|---------------|--|
| <div> <span>🏠</span> <span>✕</span> <span>🔍 *Untitled</span> <span>✕</span> <span>+</span> </div> <div> <span>🔍</span> <span>Untitled</span> <span>▶️ RUN</span> <span>💾 SAVE</span> <span>👤 SHARE</span> <span>🕒 SCHEDULE</span> <span>⚙️ MORE</span> <span>✅ Query complete</span> </div>  |                |              |                       |               |  |
| <pre> 1 select c.customer_state, count(o.order_id)as No_of_orders,round(sum(price),2) as Total_cost_of_all_orders_made,    round(sum(price)/count(o.order_id),2) as Average_price from `customers.order_items` as i join `customers.orders`    as o on i.order_id=o.order_id join `customers.customers` as c on c.customer_id=o.customer_id         </pre> <div>Press Alt+F1 for Accessibility Options</div> |                |              |                       |               |  |
| <div>Query results</div> <div> <span>💾 SAVE RESULTS</span> <span>📊 EXPLORE DATA</span> <span>⬆️</span> </div>  |                |              |                       |               |  |
| <div> <div>JOB INFORMATION</div> <div>RESULTS</div> <div>JSON</div> <div>EXECUTION DETAILS</div> <div>CHART</div> <div>PREVIEW</div> <div>EXECUTION GRAPH</div> </div>   |                |              |                       |               |  |
| Row  | customer_state | No_of_orders | Total_cost_of_all_ord | Average_price |  |
| 1  | AC             | 92           | 15982.95              | 173.73        |  |
| 2  | AL             | 444          | 80314.81              | 180.89        |  |
| 3  | AM             | 165          | 22356.84              | 135.5         |  |
| 4  | AP             | 82           | 13474.3               | 164.32        |  |
| 5  | BA             | 3799         | 511349.99             | 134.6         |  |
| 6  | CE             | 1478         | 227254.71             | 153.76        |  |
| 7  | DF             | 2406         | 302603.94             | 125.77        |  |
| 8  | ES             | 2256         | 275037.31             | 121.91        |  |
| 9  | GO             | 2333         | 294591.95             | 126.27        |  |
| 10   | MA             | 824          | 119648.22             | 145.2         |  |
| <div>Results per page: 50 1 – 27 of 27</div> <div> <span>⏪</span> <span>⏴</span> <span>⏵</span> <span>⏩</span> </div>  |                |              |                       |               |  |

```

4:3 select c.customer_state, count(o.order_id)as
No_of_orders,round(sum(freight_value),2) as
Total_freight_value,
round(sum(freight_value)/count(o.order_id),2) as
Average_freight_value from `customers.order_items` as i join
`customers.orders` as o on i.order_id =o.order_id join
`customers.customers` as c on c.customer_id=o.customer_id
group by c.customer_state order by c.customer_state

```

|  |                |              |                     |                       |  |
|--|----------------|--------------|---------------------|-----------------------|--|
| <div> <span>🏠</span> <span>✕</span> <span>🔍 Untitled</span> <span>✕</span> <span>+</span> </div> <div> <span>▶️ RUN</span> <span>💾 SAVE</span> <span>👤 SHARE</span> <span>🕒 SCHEDULE</span> <span>⚙️ MORE</span> <span>✅ Query complete</span> </div>  |                |              |                     |                       |  |
| <pre> 1 select c.customer_state, count(o.order_id)as No_of_orders,round(sum(freight_value),2) as Total_freight_value, round    (sum(freight_value)/count(o.order_id),2) as Average_freight_value from `customers.order_items` as i join    `customers.orders` as o on i.order_id =o.order_id join `customers.customers` as c on c.customer_id=o.customer_id         </pre> <div>Press Alt+F1 for Accessibility Options</div> |                |              |                     |                       |  |
| <div>Query results</div> <div> <span>💾 SAVE RESULTS</span> <span>📊 EXPLORE DATA</span> <span>⬆️</span> </div>  |                |              |                     |                       |  |
| <div> <div>JOB INFORMATION</div> <div>RESULTS</div> <div>JSON</div> <div>EXECUTION DETAILS</div> <div>CHART</div> <div>PREVIEW</div> <div>EXECUTION GRAPH</div> </div>   |                |              |                     |                       |  |
| Row  | customer_state | No_of_orders | Total_freight_value | Average_freight_value |  |
| 1  | AC             | 92           | 3686.75             | 40.07                 |  |
| 2  | AL             | 444          | 15914.59            | 35.84                 |  |
| 3  | AM             | 165          | 5478.89             | 33.21                 |  |
| 4  | AP             | 82           | 2788.5              | 34.01                 |  |
| 5  | BA             | 3799         | 100156.68           | 26.36                 |  |
| 6  | CE             | 1478         | 48351.59            | 32.71                 |  |
| 7  | DF             | 2406         | 50625.5             | 21.04                 |  |
| 8  | ES             | 2256         | 49764.6             | 22.06                 |  |
| 9  | GO             | 2333         | 53114.98            | 22.77                 |  |
| 10   | MA             | 824          | 31523.77            | 38.26                 |  |
| <div>Results per page: 50 1 – 27 of 27</div> <div> <span>⏪</span> <span>⏴</span> <span>⏵</span> <span>⏩</span> </div>  |                |              |                     |                       |  |

```

4:2select c.customer_state, count(o.order_id)as
No_of_orders,round(sum(price),2) as
Total_cost_of_all_orders_made,
round(sum(price)/count(o.order_id),2) as Average_price from
`customers.order_items` as i join `customers.orders` as o on
i.order_id =o.order_id join `customers.customers` as c on
c.customer_id=o.customer_id group by c.customer_state order by
c.customer_state
select count(o.order_id)as
No_of_orders,round(avg(date_diff(order_delivered_customer_date
,order_purchase_timestamp,day)),2) as
Average_delivery_time,customer_state as State from
`customers.customers` c join `customers.orders` o on
c.customer_id=o.customer_id group by customer_state order by
c.customer_state

```

Untitled ▶ RUN 📄 SAVE 👤 SHARE 🕒 SCHEDULE ⚙️ MORE ✅ Query completed.

```

1 select count(o.order_id)as No_of_orders,round(avg(date_diff(order_delivered_customer_date,order_purchase_timestamp,
day)),2) as Average_delivery_time,customer_state as State from `customers.customers` c join `customers.orders` o
on c.customer_id=o.customer_id group by customer_state order by c.customer_state

```

Press Alt+F1 for Accessibility Options

#### Query results

📄 SAVE RESULTS 📊 EXPLORE DATA ⬆️

| JOB INFORMATION |              | RESULTS               | JSON  | EXECUTION DETAILS | CHART | PREVIEW | EXECUTION GRAPH |
|-----------------|--------------|-----------------------|-------|-------------------|-------|---------|-----------------|
| Row             | No_of_orders | Average_delivery_time | State |                   |       |         |                 |
| 1               | 81           | 20.64                 | AC    |                   |       |         |                 |
| 2               | 413          | 24.04                 | AL    |                   |       |         |                 |
| 3               | 148          | 25.99                 | AM    |                   |       |         |                 |
| 4               | 68           | 26.73                 | AP    |                   |       |         |                 |
| 5               | 3380         | 18.87                 | BA    |                   |       |         |                 |
| 6               | 1336         | 20.82                 | CE    |                   |       |         |                 |
| 7               | 2140         | 12.51                 | DF    |                   |       |         |                 |
| 8               | 2033         | 15.33                 | ES    |                   |       |         |                 |
| 9               | 2020         | 15.15                 | GO    |                   |       |         |                 |
| 10              | 747          | 21.12                 | MA    |                   |       |         |                 |

Results per page: 50 1 - 27 of 27 ⏪ ⏩

PERSONAL HISTORY

PROJECT HISTORY

🔄 REFRESH ⬆️

4:3

```

select c.customer_state, count(o.order_id)as
No_of_orders,round(sum(freight_value),2) as
Total_freight_value,
round(sum(freight_value)/count(o.order_id),2) as
Average_freight_value from `customers.order_items` as i join
`customers.orders` as o on i.order_id =o.order_id join
`customers.customers` as c on c.customer_id=o.customer_id
group by c.customer_state order by c.customer_state

```

Untitled ▶ RUN 💾 SAVE 👤 SHARE 🕒 SCHEDULE ⚙️ MORE ✅ Query completed

```

1 select c.customer_state, count(o.order_id) as No_of_orders, round(sum(freight_value),2) as Total_freight_value, round
(sum(freight_value)/count(o.order_id),2) as Average_freight_value from `customers.order_items` as i join
`customers.orders` as o on i.order_id=o.order_id join `customers.customers` as c on c.customer_id=o.customer_id
group by c.customer_state order by c.customer_state

```

Press Alt+F1 for Accessibility Options

Query results 💾 SAVE RESULTS 📊 EXPLORE DATA ⌵

| JOB INFORMATION |                | RESULTS      | JSON                | EXECUTION DETAILS     | CHART | PREVIEW | EXECUTION GRAPH |
|-----------------|----------------|--------------|---------------------|-----------------------|-------|---------|-----------------|
| Row             | customer_state | No_of_orders | Total_freight_value | Average_freight_value |       |         |                 |
| 1               | AC             | 92           | 3686.75             | 40.07                 |       |         |                 |
| 2               | AL             | 444          | 15914.59            | 35.84                 |       |         |                 |
| 3               | AM             | 165          | 5478.89             | 33.21                 |       |         |                 |
| 4               | AP             | 82           | 2788.5              | 34.01                 |       |         |                 |
| 5               | BA             | 3799         | 100156.68           | 26.36                 |       |         |                 |
| 6               | CE             | 1478         | 48351.59            | 32.71                 |       |         |                 |
| 7               | DF             | 2406         | 50625.5             | 21.04                 |       |         |                 |

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6:1

```

select p.payment_type as Payment_type, count(o.order_id) as No_of_orders from
`customers.payments` p join `customers.orders` o on o.order_id=p.order_id group by
p.payment_type order by No_of_orders

```

Untitled ▶ RUN 💾 SAVE 👤 SHARE 🕒 SCHEDULE ⚙️ MORE ✅ Query completed

```

1 select p.payment_type as Payment_type, count(o.order_id) as No_of_orders from `customers.payments` p join
`customers.orders` o on o.order_id=p.order_id group by p.payment_type order by No_of_orders

```

Press Alt+F1 for Accessibility Options

Query results 💾 SAVE RESULTS 📊 EXPLORE DATA ⌵

| JOB INFORMATION |              | RESULTS      | JSON | EXECUTION DETAILS | CHART | PREVIEW | EXECUTION GRAPH |
|-----------------|--------------|--------------|------|-------------------|-------|---------|-----------------|
| Row             | Payment_type | No_of_orders |      |                   |       |         |                 |
| 1               | not_defined  | 3            |      |                   |       |         |                 |
| 2               | debit_card   | 1529         |      |                   |       |         |                 |
| 3               | voucher      | 5775         |      |                   |       |         |                 |
| 4               | UPI          | 19784        |      |                   |       |         |                 |
| 5               | credit_card  | 76795        |      |                   |       |         |                 |

6:2

```

select p.payment_installments as No_of_Installments, count(o.order_id) as
No_of_orders from `customers.payments` p join `customers.orders` o on
o.order_id=p.order_id group by p.payment_installments order by No_of_Installments

```

Untitled

RUN

SAVE

SHARE

SCHEDULE

MORE

Query completed.

1

```
select p.payment_installments as No_of_Installments, count(o.order_id) as No_of_orders from `customers.payments`
p join `customers.orders` o on o.order_id=p.order_id group by p.payment_installments order by No_of_Installments
```

Press Alt+F1 for Accessibility Options

Query results

SAVE RESULTS

EXPLORE DATA

| JOB INFORMATION |                    |              | RESULTS | JSON | EXECUTION DETAILS | CHART | PREVIEW | EXECUTION GRAPH |
|-----------------|--------------------|--------------|---------|------|-------------------|-------|---------|-----------------|
| Row             | No_of_Installments | No_of_orders |         |      |                   |       |         |                 |
| 1               | 0                  | 2            |         |      |                   |       |         |                 |
| 2               | 1                  | 52546        |         |      |                   |       |         |                 |
| 3               | 2                  | 12413        |         |      |                   |       |         |                 |
| 4               | 3                  | 10461        |         |      |                   |       |         |                 |
| 5               | 4                  | 7098         |         |      |                   |       |         |                 |
| 6               | 5                  | 5239         |         |      |                   |       |         |                 |
| 7               | 6                  | 3920         |         |      |                   |       |         |                 |
| 8               | 7                  | 1626         |         |      |                   |       |         |                 |
| 9               | 8                  | 4268         |         |      |                   |       |         |                 |
| 10              | 9                  | 644          |         |      |                   |       |         |                 |

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