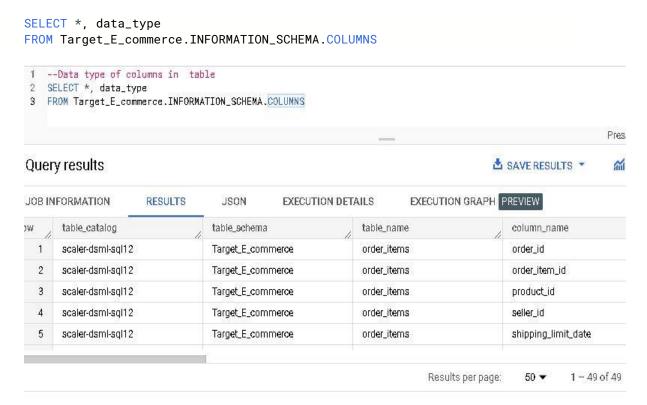
Target Business case study

- 1. Import the dataset and do usual exploratory analysis steps like checking the structure & characteristics of the dataset
- 1.1Data type of columns in a table

Query:



Explanation:

To get the data type of all columns in the given data set, I have used Information_schema.columns view which returns information about all the columns from the data set.

1.2Time period for which the data is given

Query:

select distinct(extract(year from order_purchase_timestamp)) as year
from Target_E_commerce.orders
order by year



Explanation:

To know the Time period for which the data is given, I have used orders table form given data set and extracted year from the order_purchase_timestamp column and applied distinct function on top of it

Also an other way to find out the time period is extracting the date from the order_purchase_timstamp column and applying min() and max() function to get the starting and ending time.

Query Result:

Query results

JOB IN	FORMATION	RESULTS	JSON
Row	year		
1	2016		
2	2017		
3	2018		

From the query result it is clear that the time period for which the data is given:

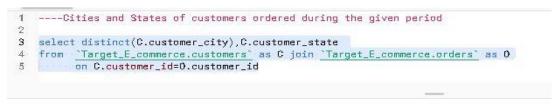
2016 to 2018

1.3.cities and state of customers ordered during the given period

Query:

```
select distinct(C.customer_city),C.customer_state
from `Target_E_commerce.customers` as C join `Target_E_commerce.ord
ers` as 0
```

on C.customer_id=0.customer_id



Query results

JOB IN	IFORMATION	RESULTS	JSON	EXECUTION DETAILS	EXECUTION GRAF
tow	customer_city	1	customer_sta	te	
1	acu		RN		
2	ico		CE		
3	ipe		RS		
4	ipu		CE		
5	ita		sc		

I have joined orders and customers table based on the customer_id column to know the customers who have placed the order during the given time period



We can observe the query returned the customer city and respective state name

2.In-depth Exploration

2.1.1 is there a growing trend on e-commerce in Brazil?

```
select extract(year from order_purchase_timestamp) as year,count(order_id)
from `Target_E_commerce.orders`
group by year
order by year;
```

```
This

PRUN SAVE SHARE SHARE MORE

1 --Is there a growing trend on e-commerce in Brazil

3 select extract(year from order_purchase_timestamp) as year,count(order_id)

4 from Target_E_commerce.orders

5 group by year

6 order by year;
```

The growth of E-commerce business is Explained with the number of orders placed each year. To know that I have used group by clause to group the states and applied count () aggregation on the order_id column from orders table

Query Result:

Quer	y results				₫ SA
JOB IN	FORMATION	RESULTS	JSON	EXECUTION DETAILS	EXECUTION GRAPH PREVIEW
Row /	уеаг	count_of_orders			
1	2016	329			
2	2017	45101			
3	2018	54011			

As we can see the number of orders are increasing in each year starting from 2016 to 2018 hence we can conclude that there is a growing trend for E-commerce business in Brazil

2.1.3can we see some seasonality with peaks at specific months?

Query:

Explanation:

To find the seasonality with respect to months, I have extracted the month form the order_purchase column from orders table and then applied count aggregation on order_id column, group by clause is used to group all the months and to get the total count of orders for each month

Query Results:



We can see that in the months August, May, July the orders were high. from my research I found that fathers day is one of the most celebrated days in a year by brazil people which is going happen in second Sunday of august that why we can see highest number of orders from August month

2.1.2 How can we describe a complete scenario?

From the query analysis it is very clear that the number of order are increasing year by year also more number of customers are purchasing the order during August, July, May months so the Business partners to look into this a peak sale month and act accordingly also in the month of September less number of orders were placed hence they can apply some strategies or discounts to increase the sale count

2.2 What time do Brazilian customers tend to buy (dawn, morning Afternoon or night)?

```
select
  case
  when extract( time from order_purchase_timestamp) between "00:00:00" and "5:59:59"
  then "DAWN"
  when extract( time from order_purchase_timestamp) between "06:00:00" and "11:59:59"
  then "Morning"
  when extract(time from order_purchase_timestamp) between "12:00:00" and "17:59:59"
  then "Afternoon"
  when extract( time from order_purchase_timestamp) between "18:00:00" and "23:59:59"
  then "Night"
  end time_of_the_day,
  count(order_id) as count_of_orders
from `Target_E_commerce.orders`
group by time_of_the_day
order by count_of_orders desc
```

```
--What time do Brazilian customers tend to buy (Dawn, Morning, Afternoon or Night)?

select

case

when extract( time from order_purchase_timestamp) between "00:00:00" and "5:59:59"
then "DAWN"

when extract( time from order_purchase_timestamp) between "06:00:00" and "11:59:59"
then "Morning"

when extract(time from order_purchase_timestamp) between "12:00:00" and "17:59:59"
then "Afternoon"
when extract( time from order_purchase_timestamp) between "18:00:00" and "23:59:59"
then "Night"
end time_of_the_day,
count(order_id) as count_of_orders
from `Target_E_commerce.orders`
group by time_of_the_day,
order by count_of_orders desc;
```

<u>U</u>sing the order purchase time stamp column from the orders table time has been extracted first and then using case and when clauses conditions are applied to differentiate the time into 4 parts 1.dawn 2. Morning 3. Afternoon 4. Night. a group by clause is applied to group the data based on time of the day, order by clause is applied to sort the count of orders in descending order.

Query Results:



PERSONAL HISTORY PROJECT HISTORY

From the query results it is clear that during afternoon Brazilians tend to buy more and during dawn time less number of order were made

3. Evolution of E-commerce orders in the Brazil region:

3.1 Get the month on month orders by state

Query:

Explanation:

I have extracted month from order_purchase_timestamp column and applied count aggregation on order_id column and group by group by clause is applied to state and month to get month on month orders state wise

Query Result:

Quei	y results						₫ S.	AVE RESI	JLTS *	M EXP	LORE	DA
JOB IN	FORMATION	RESULTS	JSON	EXECUTION DET	AILS	EXECUTION GRAPH	PREVIE	EW				
Row //	customer_state	h	month //	coount_of_order								
1	RJ		1	990								
2	SP		1	3351								
3	DF		1	151								
4	RS		1	427								
5	CE		1	99								
6	PE		1	113								
7	PR		1	443								
8	ВА		7	264								
9	MG		1	971								

3.2 Distribution of customers of customers across the states in Brazil

Query:

```
select customer_state, count(customer_id) as count_of_customers
from `Target_E_commerce.customers`
group by customer_state
order by count_of_customers desc

1 --Distribution of customers across the states in Brazil
2
3 select customer_state, count(customer_id) as count_of_customers
4 from `Target_E_commerce.customers`
5 group by customer_state
6 order by count_of_customers desc;
```

Explanation:

to find the number of customers across all the state in Brazil count aggregation is applied on the customer_id column of the customers table and group by clause is applied to state to count of customers state wise

Query Result:

Quer	y results			≛	SAVE RESUL	TS -	1 EXPL
JOB IN	IFORMATION RESULTS	JSON	EXECUTION DETAILS	EXECUTION GRAPH PRE	VIEW		
Row	customer_state //	count_of_custon					
1	SP	41746					
2	RJ	12852					
3	MG	11635					
4	RS	5466					
5	PR	5045					
6	SC	3637					
7	ВА	3380					
8	DF	2140					
9	ES	2033					
		2020					

From the query result we can see that the State SP has the highest number of customers and if we sort the data in descending order of the no. of customers the query fetched below result

JOB IN	IFORMATION	RESULTS	JSON	EXECUTION DETAILS	EXECUTION GRAPH PREVIEW
Row /	customer_state	7,	count_of_cus	stomers	
1	RR			46	
2	AP			68	
3	AC			81	
4	AM			148	
5	RO			253	
6	то			280	
7	SE			350	
8	AL			413	
9	RN			485	
10	PI			495	
11	РВ			536	

We can conclude that State RR has the least number of customers only 46.

PERSONAL HISTORY PROJECT HISTORY

- 4. Impact on Economy: Analyze the money movement by ecommerce by looking at order prices
- 4.1 Get % increase in cost of orders from 2017 to 2018 (include month between Jan to Aug only)

Query:

```
WITH transactions as
  select extract(year from 0.order_purchase_timestamp) as year,
          extract(month from 0.order_purchase_timestamp) as month,
          sum(P.payment_value) as total_payment
  from `Target_E_commerce.orders` as 0 join `Target_E_commerce.payments` as P
         on 0.order_id=P.order_id
  group by year, month
  having month<=8</pre>
select round(((y.total_payment2)-
(x.total_payment1))/(x.total_payment1)*100) as percentage_increase_in_cost
  (select sum(total_payment) as total_payment1 from Transactions where year=2017 ) as x,
  (select sum(total_payment) as total_payment2 from Transactions where year=2018) as y;
   O RUN
             SAVE *
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    SCHEDULE ▼

                                                         MORE -
                                                                                                   י This query 🙆
    --Get % increase in cost of orders from 2017 to 2018 (include months between Jan to Aug only)
 3
   WITH transactions as
 4
 5
      select extract(year from O.order_purchase_timestamp) as year,
 б
             extract(month from O.order_purchase_timestamp) as month,
 7
            sum(P.payment_value) as total_payment
 8
      from `Target_E_commerce.orders` as O join `Target_E_commerce.payments` as P
 9
            on O.order_id=P.order_id
18
      group by year, month
11
      having month<=8
12
18 select round((\langle y, total_payment2 \rangle - \langle x, total_payment1 \rangle) / \langle x, total_payment1 \rangle *100) as percentage_increase_in_cost
14
15
      (select sum(total_payment) as total_payment1 from Transactions where year=2017 ) as x,
```

Explanation:

16

17

I have used with clause to write a query that will return the sum of payments grouped by month and year and in the main query where condition is applied to filter out the year wise payment at final % gain is calculated by applying the formula

(select sum(total_payment) as total_payment2 from Transactions where year=2018) as y;

Query Result:

Query results

JOB IN	FORMATION	RESULTS	JSON	EXECUTION DETAILS
Row	percentage_incre	ase		
1		137.0		

From the resultant query we can see that the total increase in cost of orders from 2017 to 2018 is 137%

4.2 Mean and Sum of price and freight value by customer state

```
select customers.customer_state,
        Round(Avg(order_items.price)) as Mean_price,
        Round(Avg(order_items.freight_value)) as Mean_freight_price,
        Round(Sum(order_items.price)) as Sum_price,
        Round(Sum(order_items.freight_value)) as Sum_freight_price
from `Target_E_commerce.order_items` as order_items join `Target_E_commerce.orders`
 as orders
       on order_items.order_id=orders.order_id join `Target_E_commerce.customers` as
 customers
       on orders.customer_id=customers.customer_id
group by customers.customer_state
order by Mean_price desc,
            Mean_freight_price desc,
            Sum_price desc,
            Sum_freight_price desc;
 1 -- Mean & Sum of price and freight value by customer state
 3
    select customers.customer_state,
           Round(Avg(order_items.price)) as Mean_price,
 5
           Round(Avg(order_items.freight_value)) as Mean_freight_price,
 б
           Round(Sum(order_items.price)) as Sum_price,
          Round(Sum(order_items.freight_value)) as Sum_freight_price
    from <u>`Target_E_commerce.order_items`</u> as order_items join <u>`Target_E_commerce.orders`</u> as orders on order_items.order_id=orders.order_id join <u>`Target_E_commerce.customers`</u> as customers
10
          on orders.customer_id=customers.customer_id
11 group by customers.customer_state
12 order by Mean_price desc,
              Mean_freight_price desc,
14
              Sum price desc.
              Sum_freight_price desc;
15
```

To find the Mean & Sum of price and freight value by state I have joined 3 columns 1.order_items 2.orders 3.customers then calculated Average and sum of Price and of items and freight price of items using Avg() and Sum() aggregation functions and grouped all of them by state using group class

Query result:

JOB IN	NFORMATION RESULTS	JSON	EXECUTION DETA	AILS EXEC	CUTION GRAPH PRE	EVIEW
ow /	customer_state	Mean_price	Mean_freight_pr	Sum_price	Sum_freight_pric	
1	PB	191.0	43.0	115268.0	25720.0	
2	AL.	181.0	36.0	80315.0	15915.0	
3	AC	174.0	40.0	15983.0	3687.0	
4	RO	166.0	41.0	46141.0	11417.0	
5	PA	166.0	36.0	178948.0	38699.0	
6	AP	164.0	34.0	13474.0	2789.0	
7	PI	160.0	39.0	86914.0	21218.0	
8	ТО	158.0	37.0	49622.0	11733.0	
9	RN	157.0	36.0	83035.0	18860.0	

5. Analyse on sales ,freight and delivery time

5.1 calculate the days between purchasing, delivering and estimated delivery

To find the days between purchasing, delivery and estimated delivery, date_diff() function is used to calculate the number of days between the Order purchase time and Order delivered time. A similar calculation is applied to find the total days for estimated delivery

Query result:

JOB IN	NFORMATION	RESULTS	JSON	EXECUTION DETAILS	EXECUTION GR	APH PREVIEW
Row	order_id	1	Total_days_f	or_Estimated_delivery	Total_days_for_delivery	,
1	e5215415bb6f76fe3	b7cb6810		2	nuh	
2	2 a217507ac495620d9a403939			3	11	
3	3 be604de4ce5e2e8658c03895			3	11	
4	907424cd045f2dcb775507e3			3	11	
5	149bca3daf097d769	95389efb9		3	10	
6	1c709af6dc28e45be	:0dda17b		3	10	
7	837b75362f8a7c08c	:85182dfd		3	9	
8	8 0e0170b61d0a01970751c69f			3	9	
9	35df2a75e8f319d4fe	e179f529		3	9	

As we can see one of the column have null value which indicates that data is incomplete in few of fields of table

5.2 Find time_to_delivery& diff_estimated_delivery.

Query:

```
with new_table as (
select
date_diff(extract(date from order_delivered_customer_date),extract(date from order_
purchase_timestamp),day) as time_to_delivery,
date_diff(extract(date from order_estimated_delivery_date),extract(date from order_
delivered_customer_date),day) as diff_estimated_delivery
from `Target_E_commerce.orders`)
select time_to_delivery , diff_estimated_delivery
from new_table
where time_to_delivery is not null and diff_estimated_delivery is not null;
```

```
1 --Find time_to_delivery & diff_estimated_delivery. Formula for the same given below:
2 with new_table as (
3 select
4 date_diff(extract(date from order_delivered_customer_date),extract(date from order_purchase_timestamp),day) as time_to_delivery,
5 date_diff(extract(date from order_estimated_delivery_date),extract(date from order_delivered_customer_date),day) as
6 diff_estimated_delivery
7 from _Target_E_commerce.orders_)
7 select time_to_delivery , diff_estimated_delivery
8 from new_table
9 where time_to_delivery is not null and diff_estimated_delivery is not null;
10
11
```

Explanation:

Here I have used with clause to calculate the time to delivery and diff_estimated_delivery and then in the main clause the difference between them is calculated. Since in some columns of the table have incomplete values a where condition is applied to remove null values

Query results:





5.3 group the data by state, take mean freight value, time to delivery,

Diff_estimated_delivery

```
1 ---Group data by state, take mean of freight_value, time_to_delivery, diff_estimated_delivery
3 select customers.customer_state as state,
           Round(Avg(order_items.freight_value)) as Mean_freight_price;
           date_diff(extract (date from order_delivered_customer_date),extract(date from order_purchase_timestamp),day)
5
            as time_to_delivery,
           date_diff(extract(date from order_estimated_delivery_date), extract(date from order_delivered_customer_date), day)
          as diff_estimated_delivery
8
9 from `Target_E_commerce.order_items` as order_items join `Target_E_commerce.orders` as orders
        on order_items.order_id=orders.order_id join `Target_E_commerce.customers` as customers
10
        on orders.customer_id=customers.customer_id
11
12 group by state, time_to_delivery, diff_estimated_delivery
13 having time_to_delivery is not null and diff_estimated_delivery is not null
14 order by time_to_delivery ,diff_estimated_delivery ;
```

Since the data from multiple tables is required a join condition is applied on the three tables 1. Order_items 2.orders 3.customers a group by clause is applied to group the data in state wise

Query Results:

Quer	y results					å save results ▼
JOB IN	IFORMATION	RESULTS	JSON	EXECUTION DETA	AILS EXECUTION GRA	PH PREVIEW
Row //	state	1,	Mean_freight_pr	time_to_delivery	diff_estimated_delivery	
5	SP		8.0	1	3	
6	SP		9.0	1	4	
7	RJ		8.0	1	4	
8	RJ		9.0	1	5	
9	SP		9.0	1	5	
10	PR		46.0	1	5	
11	SP		11.0	1	6	
12	PR		20.0	1	6	
12	MG		14.0	1	6	

5.4.1 Top 5 states with highest/lowest average freight value-sort in desc/asc limit 5

Query:

```
SAVE -
                                                          MORE -
                       * SHARE *

    SCHEDULE ▼

 O RUN
1 ---Top 5 states with highest/lowest average freight value - sort in desc/asc limit 5
2 select customers.customer_state,
3
         Round(Avg(order_items.freight_value)) as Mean_freight_price,
4
  from `Target_E_commerce.order_items` as order_items join `Target_E_commerce.orders` as orders
         on order_items.order_id=orders.order_id join `Target_E_commerce.customers` as customers
5
         on orders.customer_id=customers.customer_id
6
7 group by customers.customer_state
8 order by Mean_freight_price desc
9 limit 5;
```

Explanation:

On total 3 columns were joined to get the data from the 3 tables, average aggregation is applied on the freight value column to find the mean freight value and the group by clause is applied on customer state column to group the data based on each state, limit clause is applied to find the top 5 states with highest mean freight value

Query Results:



We can see top 5 states with highest mean freight price we can observe that state PB has the highest Mean freight price value

5.4.2 Top 5 states with highest/lowest average time to delivery

```
select customers.customer_state as state,
round(avg(date_diff(extract(date from order_delivered_customer_date),extract(date f
rom order_purchase_timestamp),day))) as Avg_time_to_delivery,
from `Target_E_commerce.orders` as orders join `Target_E_commerce.customers` as cus
tomers
on orders.customer_id=customers.customer_id
group by state
order by Avg_time_to_delivery asc
limit 5;
```

```
SAVE -

    SCHEDULE ▼

                                                       MORE -
  RUN
                        * SHARE *
 1 -- Top 5 states with highest/lowest average time to delivery
2
3 select customers.customer_state as state,
4
         round(avg(date_diff(extract(date from order_delivered_customer_date),
5
         extract(date from order_purchase_timestamp),day))) as Avg_time_to_delivery,
6 from `Target_E_commerce.orders` as orders join `Target_E_commerce.customers` as customers
7 on orders.customer_id=customers.customer_id
8 group by state
9 order by Avg_time_to_delivery asc
10 limit 5;
```

To find the highest average time to delivery I have joined two tables 1. Orders 2. Customers. From orders table I have extracted the number of days for delivering the order and then applied average aggregation on top of it.to get state wise average time to delivery group by clause is used and there query result is sorted based on the average time to deliver the order, at final limit clause is applied to limit the number of results to 5.

Query Results:

Quer	y results				≛ SAVE RESU
JOB IN	IFORMATION	RESULTS	JSON	EXECUTION DETAILS	EXECUTION GRAPH PREVIEW
Row	state	1	Avg_time_to_del		
1	SP		9.0		
2	PR		12.0		
3	MG		12.0		
4	DF		13.0		
5	RS		15.0		

we can see that the query has returned top 5 states with lowest average time to deliver the order with state SP having lowest average time to deliver the order.

5.4.3. Top 5 states where delivery is really fast/not so fast compared to estimated date

```
from new_table as NT join `Target_E_commerce.customers` as C
          on NT.customer_id=C.customer_id
group by state,days
having days is not null
order by days desc
limit 5;
```

```
D RUN
             SAVE -
                          * SHARE *
                                         ③ SCHEDULE ▼
                                                           MORE -
                                                                                                      This query will proce
   --Top 5 states where delivery is really fast/ not so fast compared to estimated date
2 with new_table as
3 (
4 select customer_id,order_id,
 5
            date_diff(extract(date from order_estimated_delivery_date),extract(date from order_purchase_timestamp),day)
 б
            as Total_days_for_Estimated_delivery,
7
            date_diff(extract(date from order_delivered_customer_date),extract(date from order_purchase_timestamp),day)
 8
           as Total_days_for_delivery
9 from <u>Target_E_commerce.orders</u>
10 )
11
12 select C.customer_state as state, (Total_days_for_Estimated_delivery-total_days_for_delivery) as days
13 from new_table as NT join <u>`Target_E_commerce.customers`</u> as C
14 on NT.customer_id=C.customer_id
15 group by state, days
16 having days is not null
17 order by days desc
18 limit 5;
```

The I approach I followed for this is, to know the state with fastest time to deliver an order I have first wrote a calculation for time to deliver an order and estimated time to deliver an order then in the main query the difference between the number of days to deliver an order and estimated days to deliver an order is calculated. And finally if the difference is too large then we can say that it's a fastest delivery. The approach is further explained below example. Group by clause is applied to get the results state wise and limit clause to limit the top 5 states

Ex1: Ex2:

Total days took for order delivery=2days Total days took for order delivery=5

Estimated days for delivery=6 Estimated days for delivery=6

Difference= 6-2=4 days Difference=6-5 =1day

We can see that in example 1 the order is delivered with in 2days but the estimated days were 6 days(difference is high \rightarrow fastest). In example 2 the order is delivered in 5 days estimated delivery time is 6 days (difference is low \rightarrow slowest)

Query Results:

Quer	y results				
JOB IN	IFORMATION	RESULTS	JSON	EXECUTION DETAILS	EXECUTION GRAPH PREVIEW
Row /	state	11	days //		
1	SP		147		
2	MA		140		
3	RS		135		
4	SP		124		
5	RJ		109		

As we can see top 5 states where most of the fastest deliveries happened hence we can conclude State SP is the one where delivery is too fast.

6.1 Month over Month count of orders for different payment types

```
select extract(month from 0.order_purchase_timestamp) as month,P.payment_ty
pe,count(P.order_id) as orders
from `Target_E_commerce.orders` as 0 join `Target_E_commerce.payments` as P
on 0.order_id=P.order_id
group by month, P.payment_type
order by month
```

```
This query'

--Month over Month count of orders for different payment types
select extract(month from 0.order_purchase_timestamp) as month,
| P.payment_type, count(P.order_id) as orders
| from 'Target_E_commerce.orders' as 0 join 'Target_E_commerce.payments' as P
| on 0.order_id=P.order_id|
| group by month, P.payment_type order by month;
| group by month;
```

To get month over month count of orders from different payment types first 2 columns were joined 1.orders(to extract the month) 2. Payments (to find the count of orders for different payment types). Group by clause is applied on the month and payment_types to get monthly orders made from different payment types.

Query Results:

EXECUTION GRAPH PREVIEW	EXECUTION DETAILS	RESULTS JSON	JOB INFORMATION	
	orders	payment_type	month	Row
	6103	credit_card	1	1
	1715	UPI	1	2
	477	voucher	1	3
	118	debit_card	1	4
	1723	UPI	2	5
	6609	credit_card	2	6
	424	voucher	2	7
	82	debit_card	2	8
	7707	credit_card	3	9
	1942	UPI	3	10
	109	debit_card	3	11
	591	voucher	3	12
	572	voucher	4	13

We can see that the query has fetched monthly count of order for different payment types. If we sort the query based on the order count we get the below results



As we can see in month of May most number of orders were made through credit- card payment type

6.2 Count of orders based on the no. of payment instalments

```
select payment_installments,count(order_id)
from `Target_E_commerce.payments`
group by payment_installments
order by payment_installments
```

```
The same of the same of the no. of payment installments

1 --Count of orders based on the no. of payment installments

2 select payment_installments, count(order_id) Count_of_orders

3 from `Target_E_commerce.payments`

4 group by payment_installments

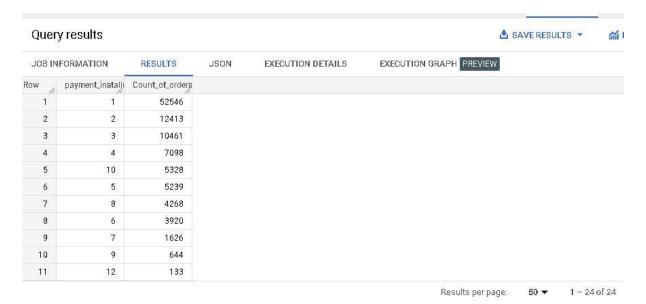
5 order by payment_installments;
```

To get the number of orders based on the no. of payment instalments simply a group by clause is applied on the payment_intallments and count aggregation is applied on the order_id column. The result is sorted based on the payment_installments

Query Results:

JOB IN	IFORMATION RES	ULTS JSON	EXECUTION DETAILS	EXECUTION GRAPH PREV	IEW	
Row /	payment_installments	Count_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				
11	10	5328				
12	11	23				
13	12	133				

From the query results we can observe that on total 24 different installments were there and the query fetched the count of orders for different installment types. If we sort the data based on the count of orders the query fetched below results



We can see in payment installment 1 more number of orders (52546) were placed and in payment installment 23 least number of orders were placed (only 1 order)

7. Actionable Insights

The business people should have a look on, in which months the lowest number of orders were made and in which month highest number of orders made and act accordingly also in few states of Bazil the delivery time is too high to mitigate this a plan can be made based on subscription type like if a customer belong to Premium subscription he/she supposed to receive the order as fast as possible

8. Recommendations

Customer satisfaction is at most priority in any business. It is recommended to consider the customer feedback once order has been delivered. In the state of RR the average time to deliver an order is 29 days & the same state has least number of customers so it is recommended to minimise this time period