# Business Case: Ecommerce Company's Operations

Gain valuable insights into ecommerce company's operations in Brazil. The information shed light on various aspects of the business, such as order processing, pricing strategies, payment and shipping efficiency, customer demographics, product characteristics, and customer satisfaction levels.

#### **Table of Content:**

- Analysis Report
- Insights
- Recommendations

# **Analysis Report**

#### Question 1:

Import the dataset and do usual exploratory analysis steps like checking the structure & characteristics of the dataset

Data type of columns in a table

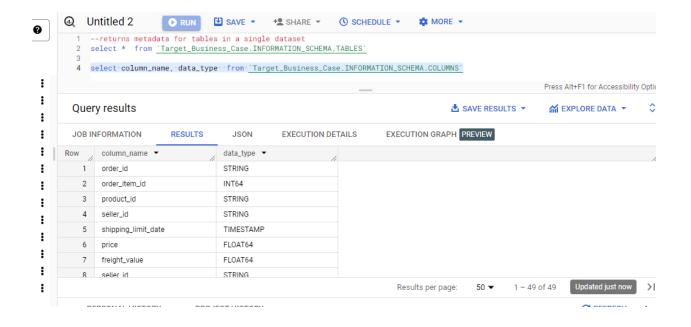
Time period for which the data is given

Cities and States of customers ordered during the given period

Solution:

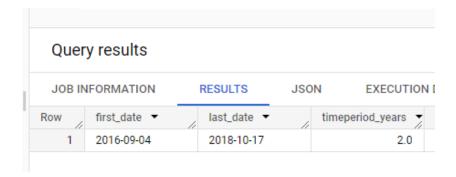
#### Data type of columns in a table

```
select column_name, data_type from
`Target_Business_Case.INFORMATION_SCHEMA.COLUMNS`
```



#### Time period for which the data is given

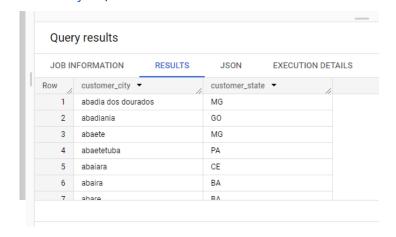
```
SELECT MIN(date(order_purchase_timestamp)) first_date,
max(date(order_delivered_customer_date)) last_date,
round(timestamp_diff(max(order_delivered_customer_date), MIN(order_purc
hase_timestamp), day)/365) timeperiod_years
from `Target_Business_Case.orders`
```



Cities and States of customers ordered during the given period select customer\_city, customer\_state

from `Target Business Case customers`

from `Target\_Business\_Case.customers`
group by customer\_city,customer\_state
order by 1,2



#### Question 2:

In-depth Exploration:

- 1. Is there a growing trend on e-commerce in Brazil? How can we describe a complete scenario? Can we see some seasonality with peaks at specific months?
- 2. What time do Brazilian customers tend to buy (Dawn, Morning, Afternoon or Night)?

Solution:

#### Is there a growing trend on e-commerce in Brazil?

Yes, the total number of orders is increasing every year, there was a drastic increase in the orders from 2016 to 2017, the count increased by factor 137. The major factor behind this drastic change is the sales started in the 10th month of 2016.

While 2017 to 2018 there was a slight increase in the number of orders, the count increased by factor 1.2

```
-----Yearly Trend-----
  select main.year, main.orders, round(main.orders/lag(orders)
over(order by main.year)) factor
 from
  (
  select temp.year, count(temp.year) orders
 from
  (
   select order_id, order_purchase_timestamp, extract(year from
order_purchase_timestamp) year,
   extract(month from order_purchase_timestamp) month
   from `Target_Business_Case.orders`
  ) temp
  group by temp.year
  ) main
   order by main.orders
```

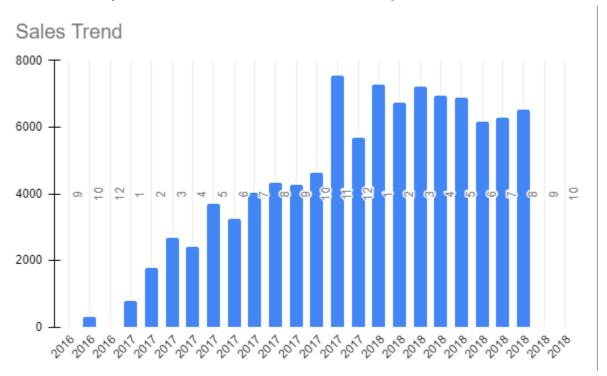


#### Can we see some seasonality with peaks at specific months?

In 2017, sales started in the 9th month and increased in the 10th month. There were no sales in the 11th month and 1 order in the 12th month.

In 2017, sales increased monthly in 2017, it was maximum in 11th month of 2017 then it decreased in 12th month.

In 2018, sales were maximum in 1st month then decreased in 2nd month, again rising in 3rd month followed by decline for next 3 months. It was raised again for the next two months.



```
select temp.year, temp.month, count(temp.year) orders,
dense_rank() over(partition by temp.year order by count(temp.year)

desc ) rnk
from
(
    select order_id, order_purchase_timestamp, extract(year from
order_purchase_timestamp) year,
    extract(month from order_purchase_timestamp) month
    from `Target_Business_Case.orders`
) temp
```

```
group by temp.year, temp.month
order by temp.year, rnk
```

# Query results

JOB INFO	ORMATION	RESULTS	JSON	EXECUTION	DETAILS	EX
Row y	rear ▼	month ▼	//	orders ▼	rnk ▼	//
1	2016		10	324		1
2	2016		9	4		2
3	2016		12	1		3
4	2017		11	7544		1
5	2017		12	5673		2
6	2017		10	4631		3
7	2017		8	4331		4
8	2017		9	4285		5
9	2017		7	4026		6
10	2017		5	3700		7
11	2017		6	3245		8
12	2017		3	2682		9
13	2017		4	2404		10
4.4	0017		_	1700		44

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

#### **Outcome:**

Maximum sales take place during afternoon followed by night, minimum sales are during dawn.

```
-----Sales trend by hours-----
select temp.TimeOfDay, count(temp.TimeOfDay) as count_orders
from
```

```
(
 SELECT
  order_id, order_purchase_timestamp,
 CASE
    WHEN EXTRACT(HOUR FROM order_purchase_timestamp) >= 0 AND
EXTRACT(HOUR FROM order_purchase_timestamp) < 6 THEN 'Dawn'</pre>
    WHEN EXTRACT(HOUR FROM order_purchase_timestamp) >= 6 AND
EXTRACT(HOUR FROM order_purchase_timestamp) < 12 THEN 'Morning'</pre>
    WHEN EXTRACT(HOUR FROM order_purchase_timestamp) >= 12 AND
EXTRACT(HOUR FROM order_purchase_timestamp) < 18 THEN 'Afternoon'</pre>
    ELSE 'Night'
  END AS TimeOfDay
FROM
`Target_Business_Case.orders`
) temp
group by temp.TimeOfDay
order by count_orders
```

#### Query results

JOB IN	IFORMATION	RESULTS	JSON	EXECUTION DETAILS	EXECUTION GRAPH PREVIEW
Row	TimeOfDay ▼	//	count_orders	<b>-</b>	
1	Dawn		4	740	
2	Morning		22	240	
3	Night		34	100	
4	Afternoon		38	361	

#### **Ouestion 3:**

**Evolution of E-commerce orders in the Brazil region:** 

- 1. Get month on month orders by states
- 2. Distribution of customers across the states in Brazil

#### Solution:

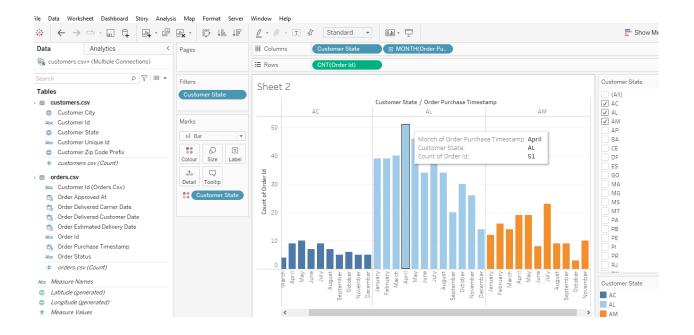
## Get month on month orders by states

#### **Outcomes:**

- 1. The 9th month has lowest sales for 19 states out of 27 states
- 2. The 5th month has 9 states out of 27 states.
- 3. Maximum orders in 8th month irrespective of states

```
Query 1:
select main.*, dense_rank() over(partition by main.customer_state
order by main.month_orders) rnk
    from
      select temp.customer_state,temp.month, count(temp.month)
month_orders
      from
          select c.customer_state.o.order_id,
o.order_purchase_timestamp,
          extract(month from o.order_purchase_timestamp) month
          from `Target_Business_Case.customers` c
          left join `Target_Business_Case.orders` o on
o.customer_id=c.customer_id
      ) temp
      group by temp.customer_state, temp.month
      order by temp.customer_state, temp.month
    ) main
```

JOB IN	FORMATION	RESULTS	JSON	EXI	ECUTION DETAILS	EXECUTION GRAP
low 3	customer_state •	. //	month ▼	11/1	month_orders ▼	rnk ▼
3	AL			11″	26 ′′	3
4	AL			10	30	4
5	AL			6	34	5
6	AL			8	34	5
7	AL			2	39	6
8	AL			1	39	6
9	AL			7	40	7
10	AL			3	40	7
11	AL			5	46	8
12	AL			4	51	9



#### Query 3:

```
-----count number of states with rank=1 i.e minimum number of order
IDs for that month-----
   select final.month, count(final.rnk) count_States_min_orders
   from
   ( select main.customer_state, main.month, main.order_id_count,
     dense_rank() over(partition by main.customer_state order by
main.order_id_count ) rnk
   from
        select temp.customer_state,temp.month, count(temp.order_id)
order id count
       from
            select c.customer_state,o.order_id,
o.order_purchase_timestamp,
           extract(month from o.order_purchase_timestamp) month
           from `Target_Business_Case.customers` c
            left join `Target_Business_Case.orders` o on
o.customer_id=c.customer_id
        ) temp
        group by temp.customer_state, temp.month
      ) main order by main.customer_state
   )final
   where final.rnk=1
   group by final.month
   order by count_States_min_orders
```

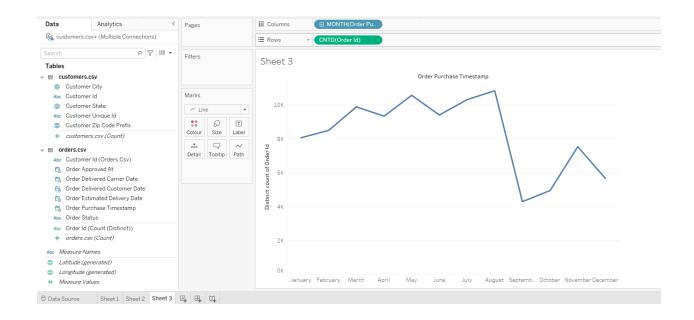
Quer	y results					
JOB IN	FORMATION		RESULTS	JSON		EXEC
Row	month ▼	//	count_States	_min_orders	• //	
1		11			1	
2		1			1	
3		3			1	
4		12			4	
5		10			5	
6		9			19	

-----count number of states with rank=1 i.e maximum number of order IDs for that month-----

The 5th month has 9 states out of 27 states.

y results					
FORMATION		RESULTS	JSON		EXEC
month ▼	//	count_States	s_max_orders	• /	
	6			1	
	1			1	
	4			2	
	8			4	
	3			6	
	7			7	
	5			9	
	y results  IFORMATION  month ▼	month ▼  6  1  4  8  3  7	month Count_States  6  1  4  8  3  7	month ▼ count_States_max_orders  6 1 4 8 3 7	## RESULTS JSON    month

Maximum Number of Sales in August/8th month irrespective of the states



#### Question 4:

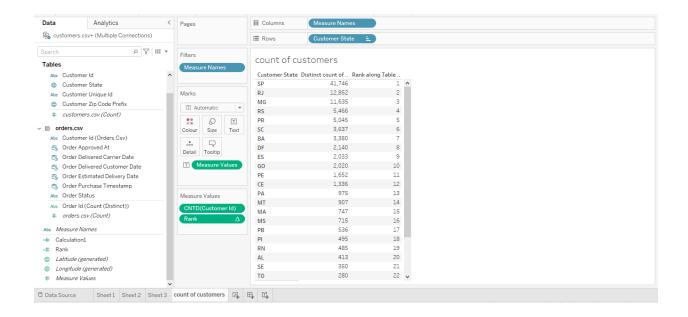
Distribution of customers across the states in Brazil

Solution:

Outcome:

Maximum customers from customer\_state SP and Minimum customers from customer\_state RR

```
----Distribution of customers across states in Brazil----
select customer_state, count(customer_id) number_of_customers
from `Target_Business_Case.customers`
group by customer_state
order by number_of_customers desc
```



#### Question 4:

Impact on Economy: Analyze the money movement by e-commerce by looking at order prices, freight and others.

- 1. Get % increase in cost of orders from 2017 to 2018 (include months between Jan to Aug only) You can use "payment\_value" column in payments table
- 2. Mean & Sum of price and freight value by customer state

#### Solution:

Get % increase in cost of orders from 2017 to 2018 (include months between Jan to Aug only) - You can use "payment\_value" column in payments table

# <u>Outcome: 58% increase in the cost of orders from 2017 to 2018</u> Querry:

```
select main.year, ((main.cost_of_orders-lag(main.cost_of_orders)
over(order by main.year ))/main.cost_of_orders)*100 percent_increase
from
(
select distinct(temp.year), sum(temp.payment_value) over(partition by
temp.year) cost_of_orders
from
(
```

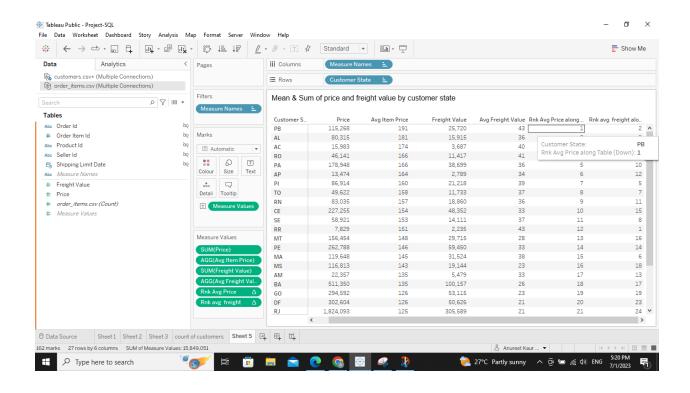
```
select o.order_id, extract(year from o.order_purchase_timestamp)
year, extract(month from o.order_purchase_timestamp) month,
  p.payment_value
  from `Target_Business_Case.orders` o
  left join `Target_Business_Case.payments` p on o.order_id=p.order_id
  where extract(month from o.order_purchase_timestamp) between 1 and 8
and extract(year from o.order_purchase_timestamp)
  between 2017 and 2018
)temp
)main
i
    Query results
:
    JOB INFORMATION RESULTS JSON
ŧ
              percent_increase 🔻
            2017
:
:
:
```

#### Mean & Sum of price and freight value by customer state

```
---Mean & Sum of price and freight value by customer state
select distinct(c.customer_state), round(avg(o_items.price),2)
mean_price,round(sum(o_items.price),2) total_price,
round(avg(o_items.freight_value),2)
mean_freight,round(sum(o_items.freight_value),2) total_freight
from `Target_Business_Case.order_items` o_items
left join `Target_Business_Case.orders` o on
o.order_id=o_items.order_id
left join `Target_Business_Case.customers` c on
c.customer_id=o.customer_id
group by c.customer_state
order by mean_price desc
```

#### Query results

1     PB     191.48     115268.08     42.72     25719.73       2     AL     180.89     80314.81     35.84     15914.59       3     AC     173.73     15982.95     40.07     3686.75       4     RO     165.97     46140.64     41.07     11417.38       5     PA     165.69     178947.81     35.83     38699.3       6     AP     164.32     13474.3     34.01     2788.5       7     PI     160.36     86914.08     39.15     21218.2       8     TO     157.53     49621.74     37.25     11732.68	JOB IN	IFORMATION	RESULTS	JSON EX	ECUTION DETAILS	EXECUTION GRA	APH
2       AL       180.89       80314.81       35.84       15914.59         3       AC       173.73       15982.95       40.07       3686.75         4       RO       165.97       46140.64       41.07       11417.38         5       PA       165.69       178947.81       35.83       38699.3         6       AP       164.32       13474.3       34.01       2788.5         7       PI       160.36       86914.08       39.15       21218.2         8       TO       157.53       49621.74       37.25       11732.68	Row	customer_state	· /	mean_price ▼	total_price ▼	mean_freight ▼	total_freight ▼
3     AC     173.73     15982.95     40.07     3686.75       4     RO     165.97     46140.64     41.07     11417.38       5     PA     165.69     178947.81     35.83     38699.3       6     AP     164.32     13474.3     34.01     2788.5       7     PI     160.36     86914.08     39.15     21218.2       8     TO     157.53     49621.74     37.25     11732.68	1	PB		191.48	115268.08	42.72	25719.73
4     RO     165.97     46140.64     41.07     11417.38       5     PA     165.69     178947.81     35.83     38699.3       6     AP     164.32     13474.3     34.01     2788.5       7     PI     160.36     86914.08     39.15     21218.2       8     TO     157.53     49621.74     37.25     11732.68	2	AL		180.89	80314.81	35.84	15914.59
5     PA     165.69     178947.81     35.83     38699.3       6     AP     164.32     13474.3     34.01     2788.5       7     PI     160.36     86914.08     39.15     21218.2       8     TO     157.53     49621.74     37.25     11732.68	3	AC		173.73	15982.95	40.07	3686.75
6     AP     164.32     13474.3     34.01     2788.5       7     PI     160.36     86914.08     39.15     21218.2       8     TO     157.53     49621.74     37.25     11732.68	4	RO		165.97	46140.64	41.07	11417.38
7 PI 160.36 86914.08 39.15 21218.2 8 TO 157.53 49621.74 37.25 11732.68	5	PA		165.69	178947.81	35.83	38699.3
8 TO 157.53 49621.74 37.25 11732.68	6	AP		164.32	13474.3	34.01	2788.5
	7	PI		160.36	86914.08	39.15	21218.2
	8	то		157.53	49621.74	37.25	11732.68
9 RN 156.97 83034.98 35.65 18860.1	9	RN		156.97	83034.98	35.65	18860.1



#### **Question 5:**

Analysis on sales, freight and delivery time

- 1. Calculate days between purchasing, delivering and estimated delivery
- 2. Find time\_to\_delivery & diff\_estimated\_delivery. Formula for the same given below:
  - o time\_to\_delivery = order\_delivered\_customer\_date-order\_purchase\_timestamp
  - diff\_estimated\_delivery =
     order\_estimated\_delivery\_date-order\_delivered\_customer\_date
- Group data by state, take mean of freight\_value, time\_to\_delivery, diff\_estimated\_delivery
- 4. Sort the data to get the following:
- 5. Top 5 states with highest/lowest average freight value sort in desc/asc limit 5
- 6. Top 5 states with highest/lowest average time to delivery
- 7. Top 5 states where delivery is really fast/ not so fast compared to estimated date

#### Solution:

1. Calculate days between purchasing, delivering and estimated delivery

#### **Outcome:**

```
State RR maximum avg freight price and shipping time maximum

State RR maximum avg freight price and shipping time maximum

----Calculate days between purchasing, delivering and estimated delivery

select order_id,

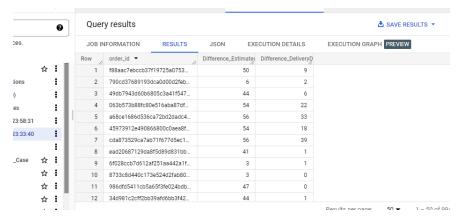
date_diff(order_estimated_delivery_date,order_purchase_timestamp,day)

Difference_EstimatedDeliveryDate_PurchaseDate,

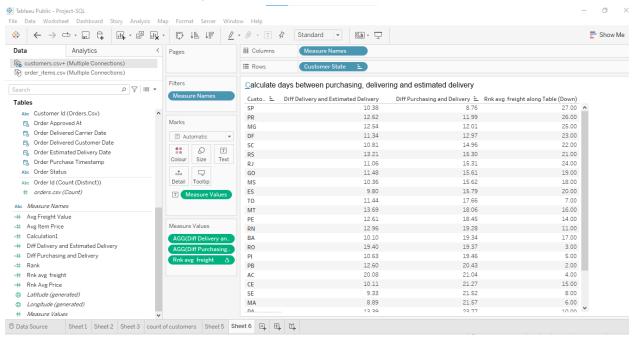
date_diff(order_delivered_carrier_date, order_purchase_timestamp,day)

Difference_DeliveryDate_PurchaseDate

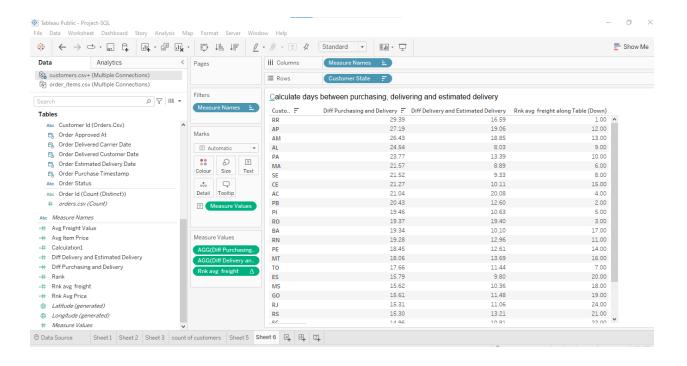
from `Target_Business_Case.orders`
```



#### State SP has minimum delivery time and minimum avg freight price



State RR maximum avg freight price and shipping time maximum

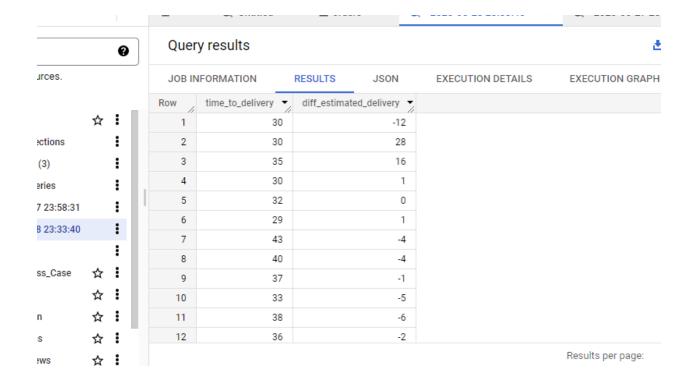


- 2. Find time\_to\_delivery & diff\_estimated\_delivery. Formula for the same given below:
  - o time\_to\_delivery = order\_delivered\_customer\_date-order\_purchase\_timestamp
  - diff\_estimated\_delivery = order\_estimated\_delivery\_date-order\_delivered\_customer\_date

```
-----Find time_to_delivery & diff_estimated_delivery-----select
timestamp_diff(order_delivered_customer_date,order_purchase_timestamp,
```

day) time\_to\_delivery,
timestamp\_diff(order\_estimated\_delivery\_date,order\_delivered\_customer\_

date,day) diff\_estimated\_delivery
from `Target\_Business\_Case.orders`



3. Group data by state, take mean of freight\_value, time\_to\_delivery, diff\_estimated\_delivery

```
------Group data by state, take mean of freight_value,
time_to_delivery, diff_estimated_delivery-----
select temp.customer_state, round(avg(temp.freight_value),2)
mean_freight_value,
round(avg(temp.time_to_delivery),2) mean_time_to_delivery,
round(avg(temp.diff_estimated_delivery),2)
mean_diff_estimated_delivery
from
(
```

```
select
o.order_id, timestamp_diff(o.order_delivered_customer_date,o.order_purc
hase_timestamp,day) time_to_delivery,
timestamp_diff(o.order_estimated_delivery_date,o.order_delivered_custo
mer_date,day) diff_estimated_delivery ,
c.customer_state, t.freight_value
from `Target_Business_Case.orders` as o
left join `Target_Business_Case.customers` c on
c.customer_id=o.customer_id
left join `Target_Business_Case.order_items` t on
o.order_id=t.order_id
) temp
group by temp.customer_state

4. Sort the data to get the following:
    5. Top 5 states with highest/lowest average freight value - sort in desc/asc limit 5
```

5. Top 5 states with highest/lowest average freight value - sort in desc/asc limit 5 SP state has lowest avg freight\_value and RR state has highest avg freight\_value select

```
c.customer_state, round(avg(t.freight_value),2) avg_freight_value
from `Target_Business_Case.orders` as o
left join `Target_Business_Case.customers` c on
c.customer_id=o.customer_id
left join `Target_Business_Case.order_items` t on
o.order_id=t.order_id
group by c.customer_state
order by avg_freight_value
limit 5
```

JOB IN	FORMATION	RESULTS	JSON EX	ECUTION DETAILS
Row	customer_state	<b>-</b>	avg_freight_value	
1	SP		15.15	
2	PR		20.53	
3	MG		20.63	
4	RJ		20.96	
5	DF		21.04	

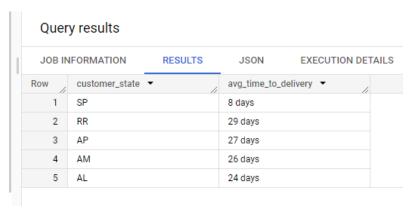
```
---Top 5 states with highest average freight value -----
select
c.customer_state, round(avg(t.freight_value),2) avg_freight_value
from `Target_Business_Case.orders` as o
left join `Target_Business_Case.customers` c on
c.customer_id=o.customer_id
left join `Target_Business_Case.order_items` t on
o.order_id=t.order_id
group by c.customer_state
order by avg_freight_value desc
limit 5
      Query results
      JOB INFORMATION
                          RESULTS
                                       JSON
                                                EXECL
     Row
            customer_state ▼
                                     avg_freight_value 3
        1
            RR
                                             42.98
        2
            PB
                                             42.72
        3
            RO
                                             41.07
                                             40.07
        4
            AC
        5
            ы
                                             39.15
```

#### 6. Top 5 states with highest/lowest average time to delivery

SP state has highest avg time to delivery, MG has least avg time to delivery

```
-----Top 5 states with highest/lowest average time to delivery---
--highest average time to delivery---
select c.customer_state,
concat(round(avg(timestamp_diff(o.order_delivered_customer_date,o.orde
r_purchase_timestamp,day))),' days') avg_time_to_delivery
from `Target_Business_Case.orders` as o
left join `Target_Business_Case.customers` c on
c.customer_id=o.customer_id
```

```
group by c.customer_state
order by avg_time_to_delivery desc
limit 5
```



```
--lowest average time to delivery---
select c.customer_state,
concat(round(avg(timestamp_diff(o.order_delivered_customer_date,o.orde
r_purchase_timestamp,day))),' days') avg_time_to_delivery
from `Target_Business_Case.orders` as o
left join `Target_Business_Case.customers` c on
c.customer_id=o.customer_id
group by c.customer_state
order by avg_time_to_delivery
limit 5
```

	Quer	y results			
	JOB IN	IFORMATION	RESULTS	JSON EX	XECUTION DETAIL:
ı	Row	customer_state	<b>-</b>	avg_time_to_deliver	y <b>-</b>
	1	MG		12 days	
	2	PR		12 days	
	3	DF		13 days	
	4	SC		14 days	
	5	RJ		15 days	

7. Top 5 states where delivery is really fast/ not so fast compared to estimated date SP highest time to deliver with more estimated delivery time

```
select temp.customer_state, temp.time_to_delivery,
temp.diff_estimated_delivery
from
(
select
o.order_id,concat(timestamp_diff(o.order_delivered_customer_date,o.ord
er_purchase_timestamp,day),'days') time_to_delivery,
concat(timestamp_diff(o.order_estimated_delivery_date,o.order_delivere
d_customer_date,day),'days') diff_estimated_delivery ,
c.customer_state
from `Target_Business_Case.orders` as o
left join `Target_Business_Case.customers` c on
c.customer_id=o.customer_id
```

```
) temp
where temp.time_to_delivery< temp.diff_estimated_delivery
order by temp.time_to_delivery desc
limit 5</pre>
```

JOB IN	IFORMATION	RESULTS	JSON	EXECUTION DET	AILS	EXECUTION GRAPH	PREVIEW
Row	customer_state	<b>▼</b>	time_to_delivery	<b>▼</b>	diff_estimat	ted_delivery -	
1	SP		8days		9days		
2	SP		8days		9days		
3	RJ		8days		9days		
4	SP		8days		9days		
5	SP		8days		9days		

#### 6. Payment type analysis:

Quer	y results				
JOB IN	IFORMATION	RESULTS	JSON	EXE	ECUTION DETAILS
Row	payment_type ▼	//	month ▼	//	mom_count ▼
1	null			9	0
2	UPI			1	1715
3	UPI			2	1723
4	UPI			3	1942
5	UPI			4	1783
6	UPI			5	2035
7	UPI			6	1807
8	UPI			7	2074
9	UPI			8	2077
10	UPI			9	903
11	UPI			10	1056
12	UPI			11	1509

#### 2. Count of orders based on the no. of payment installments

#### Outcome:

maximum orders (cnt 52546) with payment installments =1 minimum orders (cnt 1) with payment installments =22 & 23 More the installments lesser is the number of orders

```
----Count of orders based on the no. of payment installments-----
select distinct payment_installments, count(order_id) cnt
from `Target_Business_Case.payments`
group by payment_installments
order by payment_installments
```

JOB IN	FORMATION	RESULTS J	SON
Row	payment_installment	cnt ▼	/
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	

# Actionable Insights

```
1. Actionable insight
```

```
----prefered payment_type

SELECT DISTINCT p.payment_type,count(p.order_id) cnt

from `Target_Business_Case.payments` p

group by p.payment_type

order by cnt desc
```

low	payment_type ▼	cnt ▼
1	credit_card	76795
2	UPI	19784
3	voucher	5775
4	debit_card	1529
5	not_defined	3

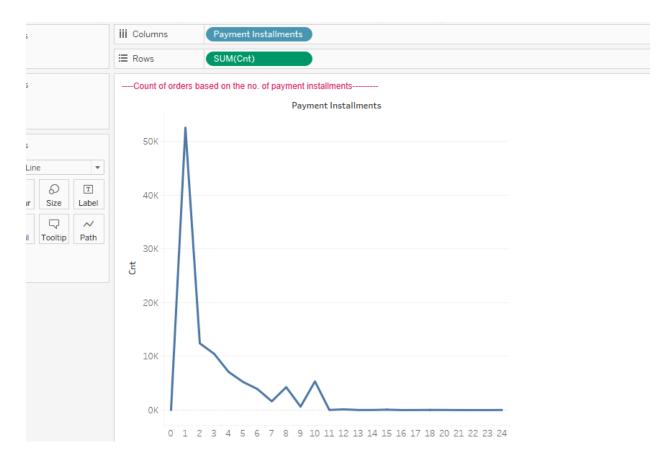
# payment type "Credit card" has maximum orders and consistent month on month orders Followed by UPI payment type in consistency



#### Recommendation:

Target should promote these options to encourage more customers to use them. This can be done through targeted messaging, incentives, or highlighting the benefits of using these preferred payment types during the checkout process.

#### 2. Actionable Insight



maximum orders (cnt 52546) with payment installments =1 minimum orders (cnt 1) with payment installments =22 & 23 More the installments lesser is the number of orders

#### Recommendation:

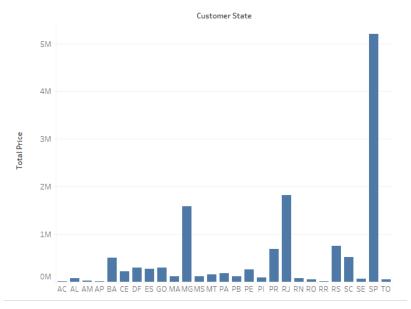
Promote 1 installment payment type on credit cards by giving discount on one installment payment options or designing effective promotions or strategise the prices to incentivize customers to choose 1 payment installments.

#### 3.Actionable Insights

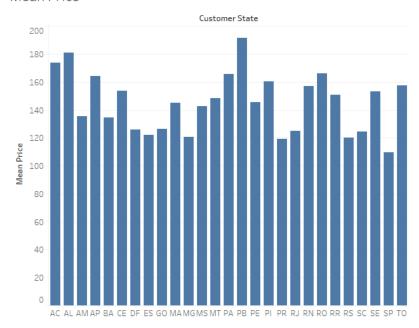
- SP state has lowest avg freight\_value and RR state has highest avg freight\_value
- SP state has highest avg time to delivery, MG has least avg time to delivery
- SP highest time to deliver with more estimated delivery time



#### Total Price

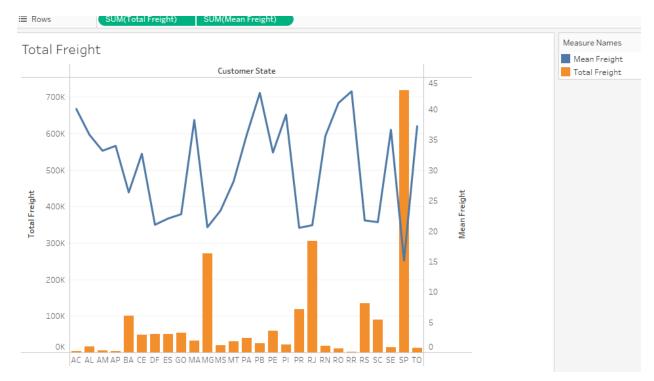


#### Mean Price



## Recommendation:

Consider adjusting prices in states with lower mean prices to improve profitability, or explore opportunities to increase prices in states with higher mean prices while monitoring customer response.



#### **Recommendation:**

Examine the mean freight value by customer state to identify states where shipping costs are higher or lower compared to the overall average. Use this insight to optimize your freight cost management. Explore options such as negotiating better shipping rates or implementing efficient logistics solutions to reduce costs in states with higher mean freight values.

#### 4. Actionable Insight

Outcome: 58% increase in the cost of orders from 2017 to 2018

58% increase indicates a significant growth in revenue during this period. This insight highlights the overall positive trend and growth in the business.

#### 5. Actionable Insight

Maximum customers from customer\_state SP and Minimum customers from customer\_state RR

#### Recommendation:

SP has a maximum customer base, allocate resources, marketing efforts, and operational capabilities to cater to the needs and preferences of customers.

RR has the minimum customer base followed by AP, AC, AM, RO.

Evaluate the feasibility of expanding your customer base and market presence in states with a smaller customer population, considering factors such as competition, logistics, and market demand.

#### 6. Actionable Insight:

24 states had minimum sales in month 1 throughout years 2016,2017,2018 Maximum orders in month 10

#### Recommendation:

Develop region-specific promotions, discounts, or campaigns to drive sales during historically low-performing months.

Experiment with demand generation strategies during the months with historically low sales. Consider introducing new products or services, collaborating with complementary businesses, or running targeted advertising campaigns to stimulate customer interest and drive sales during these periods. Monitor the impact of these strategies and iterate based on customer response and sales performance.