

Fassos Rolls Analysis



By Chirag Sharma

1.How many rolls you have ordered?

```
Query Query History
1 select Count(order_id) as Total_orders
2 from customer_orders
```

Data Output	Messages	Notifications
<div> <div>☰+</div> <div>📄</div> <div>▼</div> <div>📋</div> <div>▼</div> <div>🗑️</div> </div> <div> <div>🗄️</div> <div>⬇️</div> <div>📈</div> </div>		
	total_orders bigint	
1		14

2.How many unique customer orders have you made?

No limit

Query

Query History

1

▼

select distinct(customer_id) as Customers

2

from customer_orders

Data Output		Messages	Notifications
	customers integer		
1	101		
2	103		
3	104		
4	105		
5	102		

3. How many successful orders delivered by each driver?

```
1 select driver_id, canc_type, count(order_id) as Total_orders from
2 (select order_id, driver_id,
3 CASE when cancellation like '%Canc%' then 'canceled' else 'delivered' end as canc_type
4 from driver_order)as f
5 where canc_type = 'delivered'
6 group by 1,2
7 order by 1
```

Data Output

Messages

Notifications

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	<div>driver_id</div> <div>integer</div> <div>🔒</div>	<div>canc_type</div> <div>text</div> <div>🔒</div>	<div>total_orders</div> <div>bigint</div> <div>🔒</div>
1	1	delivered	4
2	2	delivered	3
3	3	delivered	1













4. How many of each type of roll was delivered?

```
1 select roll_id, count(order_id) as Total_delivered_rolls from
2 (select * from customer_orders where order_id in
3 (select order_id from
4 (select order_id, CASE when cancellation like '%Canc%' then 'canceled' else 'delivered' end as canc_Type
5 from driver_order)as q
6 where canc_type = 'delivered'))as q
7 group by 1
```

Data Output			Messages	Notifications
	roll_id integer	total_delivered_rolls bigint		
1	1	9		
2	2	3		

5. How many veg and non veg rolls were ordered by each of the customer?

```
Query Query History
1 select customer_id, roll_name, count(order_id) as Total_orders from
2 (select c.order_id, c.customer_id, c.roll_id, r.roll_name
3  from customer_orders as c
4  join rolls as r
5   ON c.roll_id = r.roll_id)as f
6 group by 1,2
```

Data Output		Messages	Notifications
			
			
			
	customer_id integer	roll_name character varying (30)	total_orders bigint
1	103	Veg Roll	1
2	104	Non Veg Roll	3
3	103	Non Veg Roll	3
4	105	Veg Roll	1
5	102	Non Veg Roll	2
6	102	Veg Roll	1
7	101	Non Veg Roll	2
8	101	Veg Roll	1

6. What was the maximum number of order rolls delivered on a single order?

No limit

Query

Query History

1

```
select order_id, count(order_id) as Total_orders
from customer_orders
group by 1
order by 2 desc
limit 3
```

	order_id integer	total_orders bigint
1	4	3
2	3	2
3	10	2

7. For each customer, how many delivered rolls had at least 1 change and how many had no change?

No limit

Query

Query History

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

```
With customers as (  
  select order_id, customer_id, roll_id,  
  CASE when extract_items is null or extract_items = '' then '0' else extract_items end as extracted_items,  
  CASE when include_items is null or include_items = '' or include_items = 'NaN' then '0' else include_items end as included_items  
  from customer_orders  
)  
drivers as (  
  select order_id, CASE when cancellation like '%Canc%' then '0' else '1' end as canc_type from driver_order  
)  
select customer_id, typee, count(order_id) as Total_orders from  
(select order_id, customer_id,  
CASE when extracted_items != '0' or included_items != '0' then 'Atleast one change' else 'No change' end as typee from customers where order_id in  
(select order_id from drivers  
where canc_type = '1'))as d  
group by 1,2
```

Data Output				Messages	Notifications
	customer_id integer	typee text	total_orders bigint		
1	101	No change	2		
2	102	No change	3		
3	103	Atleast one change	3		
4	104	Atleast one change	2		
5	104	No change	1		
6	105	Atleast one change	1		

8. How many rolls were delivered that had both exclusions and extras?

```
Query Query History
1 With customers as (
2   select order_id, customer_id, roll_id,
3   CASE when extract_items is null or extract_items = '' then '0' else extract_items end as extracted_items,
4   CASE when include_items is null or include_items = '' or include_items = 'NaN' then '0' else include_items end as included_items
5   from customer_orders
6 ),
7 drivers as (
8   select order_id, CASE when cancellation like '%Canc%' then '0' else '1' end as canc_type from driver_order
9 )
10
11 select case when roll_id = 1 then 'Non Veg Roll' else 'Veg Roll' end as rolls, types, count(order_id) as Total_orders from
12 (select order_id, roll_id,
13 CASE when extracted_items != '0' AND included_items != '0' then 'Both Exclusion and Extras' else 'Only one chnge' end as types
14 from customers where order_id in
15 (select order_id from drivers
16 where canc_type = '1'))as d
17 group by 1,2
18 order by 1
```

Data Output

Messages

Notifications

	rolls text	types text	total_orders bigint
1	Non Veg Roll	Both Exclusion and Extras	1
2	Non Veg Roll	Only one chnge	8
3	Veg Roll	Only one chnge	3


9. What was the total number of roles ordered for each hour of the day?


```
1 select CASE when extract(hour from order_date) = 11 then '11 AM'
2 when extract(hour from order_date) = 13 then '1 PM'
3 when extract(hour from order_date) = 18 then '6 PM'
4 when extract(hour from order_date) = 19 then '7 PM'
5 when extract(hour from order_date) = 21 then '9 PM'
6 when extract(hour from order_date) = 23 then '11 PM' else ' ' end as hours, count(order_id) as Total_orders
7 from customer_orders
8 group by 1
9 order by 1
10 |
```


Data Output


Messages


Notifications

























	hours <div>text</div> <div></div>	total_orders <div>bigint</div> <div></div>
1	1 PM	3
2	11 AM	1
3	11 PM	3
4	6 PM	3
5	7 PM	1
6	9 PM	3

10. What was the number of orders for each day of the week

No limit

Query

Query History

1

```
select TO_CHAR(order_date, 'day') as Weekdays,  
count(order_id) as Total_ORDERS  
from customer_orders  
group by 1
```

Data Output

Messages

Notifications

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11. What was the average time in minutes it took for each driver to reach the HQ of fassos

Query


Query History


```
1 select driver_id, Round(sum(diff),0) as avg_time_taken, count(order_id) as Total_orders from
2 (select * from
3 (select *, row_number()over(partition by order_id order by diff) as orders from
4 (select d.order_id, d.driver_id, c.order_date, d.pickup_time,
5 Round(abs(extract(epoch from (c.order_date - d.pickup_time)/60)),1) as diff from driver_order as d
6 join customer_orders as c
7 ON c.order_id = d.order_id
8 where d.pickup_time is not null)as q)as q
9 where orders = 1)as f
10 group by 1
```


Data Output


Messages


Notifications


























	<div>driver_id</div> <div>integer</div> <div></div>	<div>avg_time_taken</div> <div>numeric</div> <div></div>	<div>total_orders</div> <div>bigint</div> <div></div>
1	1	568784	4
2	2	1134660	3
3	3	295190	1

12. What was the average distance traveled for each customer

Query

Query History

```
1 select customer_id, Round(sum(distances)/count(order_id),1) as avg_distance from
2 (select * from
3 (select *, row_number()over(partition by order_id order by distances) as ranks from
4 (select c.order_id, c.customer_id,
5 cast(CASE when d.distance like '%km%' then left(d.distance, position('k' in d.distance)-1) else d.distance end as decimal) as distances
6 from customer_orders as c
7 join driver_order as d
8 ON c.order_id = d.order_id
9 where distance is not null)as q)as w
10 where ranks = 1)as g
11 group by 1
```

Data Output

Messages

Notifications

	<div>customer_id</div> <div>integer</div> <div></div>	<div>avg_distance</div> <div>numeric</div> <div></div>
1	101	20.0
2	102	18.4
3	103	23.4
4	104	10.0
5	105	25.0

15. What is the average speed of each driver for each delivery and do you notice any trend for these values

No limit

Query

Query History

1

select driver_id, round(sum(distance/timee),1) AS speed from

2

(select driver_id, distance, timee, row_number()over(partition by driver_id order by distance) AS ranks from

3

(select driver_id, cast(trim(replace((distance),'km',''))as decimal) AS distance,

4

cast(CASE when duration like '%min%' then left(duration, position('m' in duration)-1) else duration end as integer) as Timee

5

from driver_order

6

where distance is not null AND

7

duration is not null) as h) as h

8

where ranks = 1

9

group by 1
















Data Output

Messages

Notifications

16. What is the successful delivery percentage for each driver

```
Query Query History
1 select driver_id, round(typess* 1.0/count,2) AS percent from
2 (select driver_id, sum(canc_type) AS typess, count(driver_id) from
3 (select driver_id, case when lower(cancellation) like '%cancel%' then 0 else 1 end as can_type from driver_order)
4 group by 1
5 order by 1) as g
```

Data Output	Messages	Notifications
		
		
		
		
		

Thank you