All the commands

select \* from olist\_geolocation\_dataset

Select \* from olist\_order\_items\_dataset

Select \* from olist\_order\_payments\_dataset

select \* from olist\_order\_reviews\_dataset

SELECT \* from olist\_products\_dataset

select \* from olist\_sellers\_dataset

select \* from product\_category\_name\_translation

select \* from olist\_customers\_dataset

select distinct customer\_id from olist\_orders\_dataset

--assumption that the first order of the cx was the date of joining

with a as (

select distinct olist\_orders\_dataset.customer\_id, min (order\_purchase\_timestamp) as joining,customer\_state

from olist\_orders\_dataset

inner join olist\_customers\_dataset

on olist\_orders\_dataset.customer\_id=olist\_customers\_dataset.customer\_id

group by olist\_orders\_dataset.customer\_id,customer\_state)

select count(a.customer\_id)as count\_,year(joining)as yr,customer\_state from a

group by year(joining),customer\_state

order by year(joining)

---total no. or orders

with a as (

select year(order\_purchase\_timestamp) as yr, count(order\_id) as order\_s,customer\_state

from olist\_orders\_dataset

inner join olist\_customers\_dataset

on olist\_orders\_dataset.customer\_id=olist\_customers\_dataset.customer\_id

group by year(order\_purchase\_timestamp),customer\_state)

select yr,customer\_state ,order\_s from a

group by yr,customer\_state, order\_s

order by yr

---total no of sales

Select \* from olist\_order\_payments\_dataset

select \* from olist\_orders\_dataset

with a as(

select year(order\_purchase\_timestamp) as yr, sum(payment\_value) as total\_pay,customer\_state

from olist\_orders\_dataset

inner join olist\_order\_payments\_dataset

on olist\_orders\_dataset.order\_id=olist\_order\_payments\_dataset.order\_id

inner join olist\_customers\_dataset

on olist\_orders\_dataset.customer\_id=olist\_customers\_dataset.customer\_id

group by year(order\_purchase\_timestamp),customer\_state)

select yr,customer\_state ,total\_pay from a

group by yr,customer\_state, total\_pay

order by yr

---- declining trend over the years

create or alter view a as(select yr,customer\_state ,total\_pay from (

select year(order\_purchase\_timestamp) as yr, sum(payment\_value) as total\_pay,customer\_state

from olist\_orders\_dataset

inner join olist\_order\_payments\_dataset

on olist\_orders\_dataset.order\_id=olist\_order\_payments\_dataset.order\_id

inner join olist\_customers\_dataset

on olist\_orders\_dataset.customer\_id=olist\_customers\_dataset.customer\_id

where year(order\_purchase\_timestamp)=2016

group by year(order\_purchase\_timestamp),customer\_state) a

group by yr,customer\_state, total\_pay);

create or alter view b as(select yr,customer\_state ,total\_pay from (

select year(order\_purchase\_timestamp) as yr, sum(payment\_value) as total\_pay,customer\_state

from olist\_orders\_dataset

inner join olist\_order\_payments\_dataset

on olist\_orders\_dataset.order\_id=olist\_order\_payments\_dataset.order\_id

inner join olist\_customers\_dataset

on olist\_orders\_dataset.customer\_id=olist\_customers\_dataset.customer\_id

where year(order\_purchase\_timestamp)=2017

group by year(order\_purchase\_timestamp),customer\_state) a

group by yr,customer\_state, total\_pay);

create or alter view c as(select yr,customer\_state ,total\_pay from (

select year(order\_purchase\_timestamp) as yr, sum(payment\_value) as total\_pay,customer\_state

from olist\_orders\_dataset

inner join olist\_order\_payments\_dataset

on olist\_orders\_dataset.order\_id=olist\_order\_payments\_dataset.order\_id

inner join olist\_customers\_dataset

on olist\_orders\_dataset.customer\_id=olist\_customers\_dataset.customer\_id

where year(order\_purchase\_timestamp)=2018

group by year(order\_purchase\_timestamp),customer\_state) a

group by yr,customer\_state, total\_pay);

select c.customer\_state,a.total\_pay as '2016',b.total\_pay as '2017',c.total\_pay as '2018' from a right join b

on a.customer\_state=b.customer\_state right join

c on b.customer\_state=c.customer\_state

-- review over the years

select year(order\_purchase\_timestamp) as yr,case when review\_score = 1 then count(r.order\_ID)

when review\_score = 2 then count(r.order\_ID)

when review\_score = 3 then count(r.order\_ID)

when review\_score = 4 then count(r.order\_ID)

when review\_score = 5 then count(r.order\_ID) end as t from olist\_order\_reviews\_dataset r join olist\_orders\_dataset o on

r.order\_id=o.order\_id group by review\_score,year(order\_purchase\_timestamp)

select customer\_state,year(order\_purchase\_timestamp) as yr,case when review\_score = 1 then count(r.order\_ID)

when review\_score = 2 then count(r.order\_ID)

when review\_score = 3 then count(r.order\_ID)

when review\_score = 4 then count(r.order\_ID)

when review\_score = 5 then count(r.order\_ID) end as t from olist\_order\_reviews\_dataset r join olist\_orders\_dataset o on

r.order\_id=o.order\_id join olist\_customers\_dataset c on c.customer\_id=o.customer\_id

where customer\_state in ('se')

group by review\_score,year(order\_purchase\_timestamp),customer\_state

select customer\_state,year(order\_purchase\_timestamp) as yr,case when review\_score = 1 then count(r.order\_ID)

when review\_score = 2 then count(r.order\_ID)

when review\_score = 3 then count(r.order\_ID)

when review\_score = 4 then count(r.order\_ID)

when review\_score = 5 then count(r.order\_ID) end as t from olist\_order\_reviews\_dataset r join olist\_orders\_dataset o on

r.order\_id=o.order\_id join olist\_customers\_dataset c on c.customer\_id=o.customer\_id

where customer\_state in ('sp')

group by review\_score,year(order\_purchase\_timestamp),customer\_state

----delivery time

select \* from olist\_orders\_dataset

Select \* from olist\_order\_items\_dataset

select \* from olist\_sellers\_dataset

select \* from olist\_customers\_dataset

select c.customer\_city,customer\_state,order\_estimated\_delivery\_date,order\_delivered\_customer\_date,

datediff(day,order\_estimated\_delivery\_date,order\_delivered\_customer\_date),s.seller\_state

from olist\_orders\_dataset o join olist\_order\_items\_dataset d

on o.order\_id=d.order\_id join

olist\_sellers\_dataset s on d.seller\_id=s.seller\_id join olist\_customers\_dataset c

on c.customer\_id=o.customer\_id

where c.customer\_state='se' and datediff(day,order\_estimated\_delivery\_date,order\_delivered\_customer\_date)<0

select c.customer\_city,customer\_state,order\_estimated\_delivery\_date,order\_delivered\_customer\_date,

datediff(day,order\_estimated\_delivery\_date,order\_delivered\_customer\_date),s.seller\_state

from olist\_orders\_dataset o join olist\_order\_items\_dataset d

on o.order\_id=d.order\_id join

olist\_sellers\_dataset s on d.seller\_id=s.seller\_id join olist\_customers\_dataset c

on c.customer\_id=o.customer\_id

where c.customer\_state='sp' and datediff(day,order\_estimated\_delivery\_date,order\_delivered\_customer\_date)<0

select c.customer\_city,customer\_state,order\_estimated\_delivery\_date,order\_delivered\_customer\_date,

datediff(day,order\_estimated\_delivery\_date,order\_delivered\_customer\_date),s.seller\_state

from olist\_orders\_dataset o join olist\_order\_items\_dataset d

on o.order\_id=d.order\_id join

olist\_sellers\_dataset s on d.seller\_id=s.seller\_id join olist\_customers\_dataset c

on c.customer\_id=o.customer\_id

where c.customer\_state='al' and datediff(day,order\_estimated\_delivery\_date,order\_delivered\_customer\_date)<0