Mobility Booking App Trips Analysis

**CODE**

select \* from assembly

select \* from duration

select \* from payment

select \* from trips

select \* from trip\_details

--1. total no of trips taken place

select count(\*) from trip\_details

where end\_ride=1

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*or\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

select count(distinct tripid) from trip\_details

where end\_ride=1

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*or\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

select SUM(end\_ride)from trip\_details

--2. --total drivers

select COUNT(distinct driverid) from trips

--3. total earnings

select SUM(fare)from trips

--4.

--total searches

select SUM(searches) from trip\_details

--total searches which got estimate

select SUM(searches\_got\_estimate) as searches\_got\_estimate from trip\_details

--total searches for quotes

select SUM(searches\_for\_quotes) as searches\_for\_quotes from trip\_details

--total searches which got quotes

select SUM(searches\_got\_quotes) as searches from trip\_details

--total otp entered

select SUM(otp\_entered) as otp\_entered from trip\_details

--total end ride

select SUM(end\_ride) as end\_ride from trip\_details

5. --total driver cancelled

select (count(\*)- SUM(driver\_not\_cancelled)) as cancelled\_by\_driver

from trip\_details

select COUNT(\*) from trip\_details as cancelled\_by\_driver

where driver\_not\_cancelled=0

--6. average distance per trip

select round(avg(distance),2) as average\_distance\_per\_trip from trips

--7. average fare per trip

select AVG(fare) from trips

--8. distance travelled

select SUM(distance) from trips

--9. which is the most used payment method

select top 1 p.method,count(p.method) as count\_val from payment p

left join trips t on p.id=t.faremethod

group by p.method

order by count\_val desc

--10. the highest payment was made through which instrument

select p.method ,a.max\_fare from

(select faremethod,MAX(fare) as max\_fare from trips

group by faremethod)a

left join payment p

on a.faremethod=p.id

order by max\_fare desc

--11. which two locations had the most trips

select ass.Assembly,a.loc\_from,a.count\_val

from

(select loc\_from,COUNT(loc\_from) as count\_val from trips

group by loc\_from)a

left join assembly ass on a.loc\_from=ass.ID

order by count\_val desc

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select \* from

(select ass.Assembly, a.count\_val,

dense\_rank() over (order by count\_val desc) as rnk from

(select loc\_from,COUNT(loc\_from) as count\_val from trips

group by loc\_from)a

left join assembly ass on a.loc\_from=ass.ID) d

where rnk<3

--12. top 5 earning drivers

select driverid,SUM(fare) as total\_amt from trips

group by driverid

order by total\_amt desc

--window

select \* from

(select \*, dense\_rank() over(order by d.total\_amt desc) rankf from

(select driverid,SUM(fare) as total\_amt from trips

group by driverid) d) c

where rankf<6

--window 2

SELECT

driverid,

SUM(fare) AS total\_amt,

RANK() OVER (ORDER BY SUM(fare) DESC) AS rankf

FROM

trips

GROUP BY

driverid

ORDER BY

total\_amt DESC

--13. which duration had more trips

select \*, DENSE\_RANK() over (order by cat.trip\_count desc) as ranks

from

(select du.duration,a.trip\_count from

(select duration, COUNT(tripid) as trip\_count from trips

group by duration) a

left join duration du on a.duration=du.id) cat

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select du.duration,a.trip\_count from

(select duration, COUNT(tripid) as trip\_count from trips

group by duration) a

left join duration du on a.duration=du.id

order by trip\_count desc

--14. which driver , customer pair had more orders

select driverid,custid, COUNT(distinct tripid) pair\_count from trips

group by driverid,custid

order by pair\_count desc

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select \* from

(select \*, dense\_rank() over(order by pair\_count desc) rankg

from

(select driverid,custid, COUNT(distinct tripid) pair\_count from trips

group by driverid,custid) d) dtd

where rankg=1

--15. search to estimate rate

select round((SUM(searches\_got\_estimate)/SUM(searches))\*100,2) from trip\_details

--16. estimate to search for quote rates

select round((SUM(searches\_for\_quotes)/SUM(searches))\*100,2) from trip\_details

--17. quote acceptance rate

select round((SUM(searches\_got\_quotes)/SUM(searches))\*100,2) from trip\_details

--18. quote to booking rate

select round((SUM(otp\_entered)/SUM(searches))\*100,2) from trip\_details

--20.

--21. which area got highest trips in which duration

select ass.Assembly,a.no\_of\_trips,du.duration

from

(select loc\_from, COUNT(distinct tripid) as no\_of\_trips,duration from trips

group by loc\_from,duration) a

left join assembly ass on a.loc\_from=ass.ID

left join duration du on du.id=a.duration

order by no\_of\_trips desc

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select \* from

(select \*, rank() over(partition by duration order by no\_of\_trips desc) rnk from

(select loc\_from, COUNT(distinct tripid) as no\_of\_trips,duration from trips

group by loc\_from,duration) a ) d

where rnk=1

--22. which duration got the highest trips in each of the location present

select \* from

(select \*, rank() over(partition by loc\_from order by no\_of\_trips desc) rnk from

(select loc\_from, COUNT(distinct tripid) as no\_of\_trips,duration from trips

group by loc\_from,duration) a ) d

where rnk=1

--23. which area got the highest fares

select loc\_from, SUM(fare) as fares,

DENSE\_RANK() over(order by SUM(fare) desc) rnk

from trips

group by loc\_from

select \* from

(select loc\_from, SUM(fare) as fares,

DENSE\_RANK() over(order by SUM(fare) desc) rnk

from trips

group by loc\_from) a

where rnk=1

--24. which area got the highest cancellations

select \* from (select \*,DENSE\_RANK() over(order by can desc) rnk

from

(select loc\_from,(count(\*)-SUM(driver\_not\_cancelled)) as can

from trip\_details

group by loc\_from) a) d

where rnk=1

--25. which area got the highest cancellations by customers

select \* from (select \*,DENSE\_RANK() over(order by can desc) rnk

from

(select loc\_from,(count(\*)-SUM(customer\_not\_cancelled)) as can

from trip\_details

group by loc\_from) a) d

where rnk=1

--26. which duration got the highest trips and fares

select \* from (select \*,DENSE\_RANK() over(order by fare desc) rnk

from

(

select duration ,SUM (fare) fare from trips

group by duration) d)c

where rnk=1