#comment ---weather table

create external table weather (data1 string, Weather string)

row format delimited fields terminated by '\t'

location '/user/yy1316/Project/weather\_data';

#comment ---Taxi\_Bike Impala script: #commnet --- data1 is date

create external table taxi\_stat (data1 string, PULocationID int, DOLocationID int, avg\_trip\_duration float, rush\_hour int, commuter\_count int)

row format delimited fields terminated by ' '

location '/user/yy1316/Project/taxi\_data';

#comment --- /user/yy1316/Project/taxi\_data/latest\_taxi\_cleaned\_giant.txt

create external table bike\_stat (data1 string, rush\_hour int, PULocationID int, DOLocationID int, avg\_trip\_duration float, commuter\_count float)

row format delimited fields terminated by '|'

location '/user/yy1316/Project/bike\_data';

#comment --- bike commuter\_count in int

#comment --- /user/yy1316/Project/bike\_data/latest\_bike\_cleaned\_giant.txt

#comment --- Daily based bike taxi comparison

create external table bike\_taxi\_stat\_per\_day as

select taxi\_stat.data1, taxi\_stat.pulocationid as pulocationid, taxi\_stat.dolocationid as dolocationid, taxi\_stat.rush\_hour as rush\_hour, taxi\_stat.avg\_trip\_duration as taxi\_avg\_trip\_duration, bike\_stat.avg\_trip\_duration as bike\_avg\_trip\_duration, taxi\_stat.commuter\_count as taxi\_commuter\_count, bike\_stat.commuter\_count as bike\_commuter\_count, (taxi\_stat.avg\_trip\_duration/bike\_stat.avg\_trip\_duration) as speed\_compare, (taxi\_stat.avg\_trip\_duration - bike\_stat.avg\_trip\_duration) as speed\_different, (taxi\_stat.commuter\_count/bike\_stat.commuter\_count) as count\_compare,

(taxi\_stat.commuter\_count - bike\_stat.commuter\_count) as count\_different from taxi\_stat JOIN bike\_stat ON taxi\_stat.data1 = bike\_stat.data1 and taxi\_stat.pulocationid = bike\_stat.pulocationid and taxi\_stat.dolocationid = bike\_stat.dolocationid and taxi\_stat.rush\_hour = bike\_stat.rush\_hour;

#comment --- same pickup dropoff location based

create external table bike\_taxi\_stat\_in\_all as

select pulocationid, dolocationid, rush\_hour, avg(taxi\_avg\_trip\_duration) as all\_taxi\_avg\_trip\_duration, avg(bike\_avg\_trip\_duration) as all\_bike\_avg\_trip\_duration,

(avg(taxi\_avg\_trip\_duration)/ avg(bike\_avg\_trip\_duration)) as speed\_compare, (avg(taxi\_avg\_trip\_duration) - avg(bike\_avg\_trip\_duration) ) as speed\_different,

sum(taxi\_commuter\_count) as all\_taxi\_commuter\_count, sum(bike\_commuter\_count) as all\_bike\_commuter\_count, (sum(taxi\_commuter\_count)/sum(bike\_commuter\_count)) as count\_compare, (sum(taxi\_commuter\_count) - sum(bike\_commuter\_count)) as count\_different from bike\_taxi\_stat\_per\_day group by pulocationid, dolocationid, rush\_hour;

#comment ---Result Analytics:

#comment ---Total taxi trip:

Select sum(all\_taxi\_commuter\_count) from bike\_taxi\_stat\_in\_all;

+------------------------------+

| sum(all\_taxi\_commuter\_count) |

+------------------------------+

| 2356382 |

+------------------------------+

Fetched 1 row(s) in 0.12s

#comment ---Total bike trip:

Select sum(all\_bike\_commuter\_count) from bike\_taxi\_stat\_in\_all;

+------------------------------+

| sum(all\_bike\_commuter\_count) |

+------------------------------+

| 606427 |

+------------------------------+

Fetched 1 row(s) in 0.11s

= 1156102/2356382 = 0.4906

#comment ---Taxi\_trip total sum which is faster:

Select sum(all\_taxi\_commuter\_count) from bike\_taxi\_stat\_in\_all Where speed\_compare < 1;

+------------------------------+

| sum(all\_taxi\_commuter\_count) |

+------------------------------+

| 1156102 |

+------------------------------+

#comment ---bike\_trip total sum which is faster

Select sum(all\_bike\_commuter\_count) from bike\_taxi\_stat\_in\_all Where speed\_compare > 1;

+------------------------------+

| sum(all\_bike\_commuter\_count) |

+------------------------------+

| 311930 |

+------------------------------+

Fetched 1 row(s) in 0.11s

=311930/606427 = 0.5144

#comment ---Type of trip that taxi is quicker

Select count(speed\_compare) from bike\_taxi\_stat\_in\_all Where speed\_compare < 1;

+----------------------+

| count(speed\_compare) |

+----------------------+

| 1478 |

+----------------------+

Fetched 1 row(s) in 0.21s

#comment ---Type of trip that bike is quicker

Select count(speed\_compare) from bike\_taxi\_stat\_in\_all Where speed\_compare > 1;

+----------------------+

| count(speed\_compare) |

+----------------------+

| 1228 |

+----------------------+

Fetched 1 row(s) in 0.12s

#comment ---Equal

Select count(speed\_compare) from bike\_taxi\_stat\_in\_all Where speed\_compare = 1;

+----------------------+

| count(speed\_compare) |

+----------------------+

| 0 |

+----------------------+

Fetched 1 row(s) in 0.11s

#comment --- Join weather and bike\_taxi\_stat\_per\_day table

create external table bike\_taxi\_weather\_combine\_day as

select bike\_taxi\_stat\_per\_day.data1, bike\_taxi\_stat\_per\_day.pulocationid, bike\_taxi\_stat\_per\_day.dolocationid, bike\_taxi\_stat\_per\_day.rush\_hour, bike\_taxi\_stat\_per\_day.taxi\_avg\_trip\_duration, bike\_taxi\_stat\_per\_day.bike\_avg\_trip\_duration, bike\_taxi\_stat\_per\_day.taxi\_commuter\_count, bike\_taxi\_stat\_per\_day.bike\_commuter\_count, bike\_taxi\_stat\_per\_day.speed\_compare, bike\_taxi\_stat\_per\_day.speed\_different, bike\_taxi\_stat\_per\_day.count\_compare, bike\_taxi\_stat\_per\_day.count\_different, weather.weather from bike\_taxi\_stat\_per\_day INNER JOIN weather ON bike\_taxi\_stat\_per\_day.data1 = weather.data1;

#comment --- Group by same pulocationid, dolocationid, rush\_hour and weather

create external table bike\_taxi\_weather\_combine\_all as

select pulocationid, dolocationid, rush\_hour, weather, avg(taxi\_avg\_trip\_duration) as all\_taxi\_avg\_trip\_duration, avg(bike\_avg\_trip\_duration) as all\_bike\_avg\_trip\_duration,

(avg(taxi\_avg\_trip\_duration)/ avg(bike\_avg\_trip\_duration)) as speed\_compare, (avg(taxi\_avg\_trip\_duration) - avg(bike\_avg\_trip\_duration) ) as speed\_different,

sum(taxi\_commuter\_count) as all\_taxi\_commuter\_count, sum(bike\_commuter\_count) as all\_bike\_commuter\_count, (sum(taxi\_commuter\_count)/sum(bike\_commuter\_count)) as count\_compare, (sum(taxi\_commuter\_count) - sum(bike\_commuter\_count)) as count\_different from bike\_taxi\_weather\_combine\_day group by pulocationid, dolocationid, rush\_hour, weather;

Taxi\_trip total sum sunny day

Select sum(all\_taxi\_commuter\_count) from bike\_taxi\_weather\_combine\_all where weather="0";

+------------------------------+

| sum(all\_taxi\_commuter\_count) |

+------------------------------+

| 1464566 |

+------------------------------+

Fetched 1 row(s) in 0.32s

Taxi\_trip total sum which is faster on sunny day

Select sum(all\_taxi\_commuter\_count) from bike\_taxi\_weather\_combine\_all Where speed\_compare < 1 and weather="0";

+------------------------------+

| sum(all\_taxi\_commuter\_count) |

+------------------------------+

| 716116 |

+------------------------------+

Fetched 1 row(s) in 0.31s

= 716116/1464566 = 0.489

Taxi\_trip total sum rainy day

Select sum(all\_taxi\_commuter\_count) from bike\_taxi\_weather\_combine\_all Where weather="1";

+------------------------------+

| sum(all\_taxi\_commuter\_count) |

+------------------------------+

| 816256 |

+------------------------------+

Fetched 1 row(s) in 0.21s

Taxi\_trip total sum which is faster on rainy day

Select sum(all\_taxi\_commuter\_count) from bike\_taxi\_weather\_combine\_all Where speed\_compare < 1 and weather="1";

+------------------------------+

| sum(all\_taxi\_commuter\_count) |

+------------------------------+

| 393073 |

+------------------------------+

Fetched 1 row(s) in 0.31s

= 393073/816256 = 0.4815

Taxi\_trip total sum snowy day

Select sum(all\_taxi\_commuter\_count) from bike\_taxi\_weather\_combine\_all Where weather="2";

+------------------------------+

| sum(all\_taxi\_commuter\_count) |

+------------------------------+

| 75560 |

+------------------------------+

Fetched 1 row(s) in 0.21s

Taxi\_trip total sum which is faster on snowy day

Select sum(all\_taxi\_commuter\_count) from bike\_taxi\_weather\_combine\_all Where speed\_compare < 1 and weather="2";

+------------------------------+

| sum(all\_taxi\_commuter\_count) |

+------------------------------+

| 40581 |

+------------------------------+

Fetched 1 row(s) in 0.32s

= 40581/75560 = 0.5370

bike\_trip total sum on sunny day

Select sum(all\_bike\_commuter\_count) from bike\_taxi\_weather\_combine\_all Where weather="0";

+------------------------------+

| sum(all\_bike\_commuter\_count) |

+------------------------------+

| 379726 |

+------------------------------+

Fetched 1 row(s) in 0.21s

bike\_trip total sum which is faster on sunny day

Select sum(all\_bike\_commuter\_count) from bike\_taxi\_weather\_combine\_all Where speed\_compare > 1 and weather="0";

+------------------------------+

| sum(all\_bike\_commuter\_count) |

+------------------------------+

| 189862 |

+------------------------------+

Fetched 1 row(s) in 0.31s

= 189862/379726 = 0.49

bike\_trip total sum on rainy day

Select sum(all\_bike\_commuter\_count) from bike\_taxi\_weather\_combine\_all Where weather="1";

+------------------------------+

| sum(all\_bike\_commuter\_count) |

+------------------------------+

| 214693 |

+------------------------------+

Fetched 1 row(s) in 0.21s

bike\_trip total sum which is faster on rainy day

Select sum(all\_bike\_commuter\_count) from bike\_taxi\_weather\_combine\_all Where speed\_compare > 1 and weather="1";

+------------------------------+

| sum(all\_bike\_commuter\_count) |

+------------------------------+

| 113800 |

+------------------------------+

Fetched 1 row(s) in 0.31s

=113800 /214693 = 0.53

bike\_trip total sum on snowy day

Select sum(all\_bike\_commuter\_count) from bike\_taxi\_weather\_combine\_all Where weather="2";

+------------------------------+

| sum(all\_bike\_commuter\_count) |

+------------------------------+

| 12008 |

+------------------------------+

bike\_trip total sum which is faster on snowy day

Select sum(all\_bike\_commuter\_count) from bike\_taxi\_weather\_combine\_all Where speed\_compare > 1 and weather="2";

+------------------------------+

| sum(all\_bike\_commuter\_count) |

+------------------------------+

| 5765 |

+------------------------------+

Fetched 1 row(s) in 0.31s

= 5765/ 12008 = 0.48

#comment --- Per day Table Sunny rainy snowy use taxi bike per day people numbers

Select sum(taxi\_commuter\_count)/count(DISTINCT data1) as Sunny\_Taxi\_Commute\_Count\_Per\_Day from bike\_taxi\_weather\_combine\_day where weather="0";

+----------------------------------+

| sunny\_taxi\_commute\_count\_per\_day |

+----------------------------------+

| 22531.78461538461 |

+----------------------------------+

Fetched 1 row(s) in 0.21s

Select sum(taxi\_commuter\_count)/count(DISTINCT data1) as Rainy\_Taxi\_Commute\_Count\_Per\_Day from bike\_taxi\_weather\_combine\_day where weather="1";

+----------------------------------+

| rainy\_taxi\_commute\_count\_per\_day |

+----------------------------------+

| 22060.97297297297 |

+----------------------------------+

Fetched 1 row(s) in 0.22s

Select sum(taxi\_commuter\_count)/count(DISTINCT data1) as Snowy\_Taxi\_Commute\_Count\_Per\_Day from bike\_taxi\_weather\_combine\_day where weather="2";

+----------------------------------+

| snowy\_taxi\_commute\_count\_per\_day |

+----------------------------------+

| 10794.28571428571 |

+----------------------------------+

Fetched 1 row(s) in 0.21s

Select sum(bike\_commuter\_count)/count(DISTINCT data1) as Sunny\_Bike\_Commute\_Count\_Per\_Day from bike\_taxi\_weather\_combine\_day where weather="0";

+----------------------------------+

| sunny\_bike\_commute\_count\_per\_day |

+----------------------------------+

| 5841.938461538462 |

+----------------------------------+

Fetched 1 row(s) in 0.21s

Select sum(bike\_commuter\_count)/count(DISTINCT data1) as Rainy\_Bike\_Commute\_Count\_Per\_Day from bike\_taxi\_weather\_combine\_day where weather="1";

+----------------------------------+

| rainy\_bike\_commute\_count\_per\_day |

+----------------------------------+

| 5802.513513513513 |

+----------------------------------+

Fetched 1 row(s) in 0.21s

Select sum(bike\_commuter\_count)/count(DISTINCT data1) as Snowy\_Bike\_Commute\_Count\_Per\_Day from bike\_taxi\_weather\_combine\_day where weather="2";

+----------------------------------+

| snowy\_bike\_commute\_count\_per\_day |

+----------------------------------+

| 1715.428571428571 |

+----------------------------------+

Fetched 1 row(s) in 0.21s

#comment---Per day Table max(count()) // rush hour morning evening has the huge numbers of people in where to pick up drop off Top 3 and 5 locations

Select data1, pulocationid, dolocationid, rush\_hour, taxi\_commuter\_count from bike\_taxi\_weather\_combine\_day Order by taxi\_commuter\_count DESC Limit 3;

+------------+--------------+--------------+-----------+---------------------+

| data1 | pulocationid | dolocationid | rush\_hour | taxi\_commuter\_count |

+------------+--------------+--------------+-----------+---------------------+

| 2018-06-06 | 236 | 236 | 1 | 438 |

| 2018-05-02 | 236 | 236 | 1 | 416 |

| 2018-05-29 | 236 | 236 | 1 | 383 |

+------------+--------------+--------------+-----------+---------------------+

Fetched 3 row(s) in 0.21s

Select data1, pulocationid, dolocationid, rush\_hour, taxi\_commuter\_count, speed\_compare from bike\_taxi\_weather\_combine\_day Order by taxi\_commuter\_count DESC Limit 5;

+------------+--------------+--------------+-----------+---------------------+--------------------+

| data1 | pulocationid | dolocationid | rush\_hour | taxi\_commuter\_count | speed\_compare |

+------------+--------------+--------------+-----------+---------------------+--------------------+

| 2018-06-06 | 236 | 236 | 1 | 438 | 0.5436507936507936 |

| 2018-05-02 | 236 | 236 | 1 | 416 | 0.8246753246753247 |

| 2018-05-29 | 236 | 236 | 1 | 383 | 0.7770491803278688 |

| 2018-05-11 | 236 | 236 | 0 | 357 | 0.3401639344262295 |

| 2018-02-26 | 236 | 236 | 1 | 345 | 1.209169054441261 |

+------------+--------------+--------------+-----------+---------------------+--------------------+

Fetched 5 row(s) in 0.31s

Select data1, pulocationid, dolocationid, rush\_hour, taxi\_commuter\_count, speed\_compare from bike\_taxi\_weather\_combine\_day Where pulocationid != dolocationid Order by taxi\_commuter\_count DESC Limit 5;

+------------+--------------+--------------+-----------+---------------------+--------------------+

| data1 | pulocationid | dolocationid | rush\_hour | taxi\_commuter\_count | speed\_compare |

+------------+--------------+--------------+-----------+---------------------+--------------------+

| 2018-05-29 | 186 | 161 | 0 | 302 | 1.119285374837498 |

| 2018-01-18 | 186 | 234 | 0 | 294 | 1.571558796718323 |

| 2018-05-24 | 236 | 161 | 0 | 287 | 0.763272410791993 |

| 2018-02-27 | 236 | 162 | 0 | 284 | 0.8201856148491879 |

| 2018-02-06 | 186 | 161 | 0 | 280 | 1.364814814814815 |

+------------+--------------+--------------+-----------+---------------------+--------------------+

Fetched 5 row(s) in 0.31s

Select data1, pulocationid, dolocationid, rush\_hour, bike\_commuter\_count from bike\_taxi\_weather\_combine\_day Order by bike\_commuter\_count DESC Limit 3;

+------------+--------------+--------------+-----------+---------------------+

| data1 | pulocationid | dolocationid | rush\_hour | bike\_commuter\_count |

+------------+--------------+--------------+-----------+---------------------+

| 2018-06-12 | 43 | 43 | 0 | 350 |

| 2018-06-26 | 43 | 43 | 0 | 348 |

| 2018-05-02 | 43 | 43 | 1 | 343 |

+------------+--------------+--------------+-----------+---------------------+

Fetched 3 row(s) in 0.21s

Select data1, pulocationid, dolocationid, rush\_hour, bike\_commuter\_count, speed\_compare from bike\_taxi\_weather\_combine\_day Order by bike\_commuter\_count DESC Limit 5;

+------------+--------------+--------------+-----------+---------------------+--------------------+

| data1 | pulocationid | dolocationid | rush\_hour | bike\_commuter\_count | speed\_compare |

+------------+--------------+--------------+-----------+---------------------+--------------------+

| 2018-06-12 | 43 | 43 | 0 | 350 | 0.7684131693035396 |

| 2018-06-26 | 43 | 43 | 0 | 348 | 0.6723435790600265 |

| 2018-05-02 | 43 | 43 | 1 | 343 | 0.6677982051005159 |

| 2018-06-14 | 43 | 43 | 0 | 342 | 0.6809024757097913 |

| 2018-05-24 | 43 | 43 | 0 | 325 | 0.7313231429217116 |

+------------+--------------+--------------+-----------+---------------------+--------------------+

Fetched 5 row(s) in 0.32s

Select data1, pulocationid, dolocationid, rush\_hour, bike\_commuter\_count, speed\_compare from bike\_taxi\_weather\_combine\_day Where pulocationid != dolocationid Order by bike\_commuter\_count DESC Limit 5;

+------------+--------------+--------------+-----------+---------------------+--------------------+

| data1 | pulocationid | dolocationid | rush\_hour | bike\_commuter\_count | speed\_compare |

+------------+--------------+--------------+-----------+---------------------+--------------------+

| 2018-05-10 | 43 | 164 | 0 | 106 | 0.9301006302336884 |

| 2018-05-18 | 43 | 164 | 0 | 105 | 1.448113087080116 |

| 2018-05-03 | 43 | 164 | 0 | 98 | 1.655885533364594 |

| 2018-05-09 | 43 | 164 | 0 | 97 | 1.281845711972433 |

| 2018-05-02 | 43 | 164 | 0 | 97 | 1.095895451922296 |

+------------+--------------+--------------+-----------+---------------------+--------------------+

Fetched 5 row(s) in 0.32s

#comment---see per region which is max in this half year, recreate table

----weather not influence

Select pulocationid, dolocationid, rush\_hour, all\_taxi\_commuter\_count, all\_bike\_commuter\_count, speed\_compare from bike\_taxi\_stat\_in\_all Order by all\_taxi\_commuter\_count DESC Limit 5;

+--------------+--------------+-----------+-------------------------+-------------------------+--------------------+

| pulocationid | dolocationid | rush\_hour | all\_taxi\_commuter\_count | all\_bike\_commuter\_count | speed\_compare |

+--------------+--------------+-----------+-------------------------+-------------------------+--------------------+

| 186 | 234 | 0 | 18589 | 760 | 0.9952508232373556 |

| 107 | 170 | 0 | 12685 | 684 | 0.8536513070358073 |

| 107 | 162 | 0 | 11238 | 914 | 0.8441586656476731 |

| 140 | 162 | 0 | 11222 | 530 | 1.393608213727467 |

| 229 | 162 | 0 | 11159 | 646 | 1.695428727421363 |

+--------------+--------------+-----------+-------------------------+-------------------------+--------------------+

Fetched 5 row(s) in 0.41s

----weather not influence

Select pulocationid, dolocationid, rush\_hour, all\_taxi\_commuter\_count, all\_bike\_commuter\_count, speed\_compare from bike\_taxi\_stat\_in\_all Order by all\_bike\_commuter\_count DESC Limit 5;

+--------------+--------------+-----------+-------------------------+-------------------------+--------------------+

| pulocationid | dolocationid | rush\_hour | all\_taxi\_commuter\_count | all\_bike\_commuter\_count | speed\_compare |

+--------------+--------------+-----------+-------------------------+-------------------------+--------------------+

| 43 | 43 | 0 | 4893 | 21289 | 0.7392664498171806 |

| 43 | 43 | 1 | 6248 | 19879 | 0.7239623973696657 |

| 43 | 164 | 0 | 1140 | 6007 | 1.346389718211685 |

| 68 | 68 | 1 | 7516 | 3841 | 0.8765575051657919 |

| 164 | 43 | 1 | 1006 | 3511 | 1.24740654408508 |

+--------------+--------------+-----------+-------------------------+-------------------------+--------------------+

Fetched 5 row(s) in 0.22s

----Group by weather

Select pulocationid, dolocationid, rush\_hour, all\_taxi\_commuter\_count, all\_bike\_commuter\_count, speed\_compare from bike\_taxi\_weather\_combine\_all Order by all\_taxi\_commuter\_count DESC Limit 5;

+--------------+--------------+-----------+-------------------------+-------------------------+--------------------+

| pulocationid | dolocationid | rush\_hour | all\_taxi\_commuter\_count | all\_bike\_commuter\_count | speed\_compare |

+--------------+--------------+-----------+-------------------------+-------------------------+--------------------+

| 186 | 234 | 0 | 11332 | 492 | 1.013660457880267 |

| 107 | 170 | 0 | 7426 | 393 | 0.8476686083575674 |

| 186 | 170 | 0 | 7021 | 256 | 1.588028265046395 |

| 140 | 162 | 0 | 6847 | 342 | 1.362864373368863 |

| 107 | 162 | 0 | 6811 | 582 | 0.810250692381267 |

+--------------+--------------+-----------+-------------------------+-------------------------+--------------------+

Fetched 5 row(s) in 0.62s

Select pulocationid, dolocationid, rush\_hour, all\_taxi\_commuter\_count, all\_bike\_commuter\_count, speed\_compare from bike\_taxi\_weather\_combine\_all Where pulocationid != dolocationid Order by all\_bike\_commuter\_count DESC Limit 5;

+--------------+--------------+-----------+-------------------------+-------------------------+-------------------+

| pulocationid | dolocationid | rush\_hour | all\_taxi\_commuter\_count | all\_bike\_commuter\_count | speed\_compare |

+--------------+--------------+-----------+-------------------------+-------------------------+-------------------+

| 43 | 164 | 0 | 716 | 3731 | 1.274338530919281 |

| 164 | 43 | 1 | 632 | 2185 | 1.240378055712224 |

| 43 | 164 | 0 | 362 | 2116 | 1.450208213812179 |

| 43 | 50 | 1 | 441 | 2067 | 1.358182183570116 |

| 164 | 50 | 1 | 741 | 1653 | 2.031358462448432 |

+--------------+--------------+-----------+-------------------------+-------------------------+-------------------+

Fetched 5 row(s) in 0.61s

Select pulocationid, dolocationid, rush\_hour, all\_taxi\_commuter\_count, all\_bike\_commuter\_count, speed\_compare from bike\_taxi\_weather\_combine\_all Order by all\_bike\_commuter\_count DESC Limit 5

+--------------+--------------+-----------+-------------------------+-------------------------+--------------------+

| pulocationid | dolocationid | rush\_hour | all\_taxi\_commuter\_count | all\_bike\_commuter\_count | speed\_compare |

+--------------+--------------+-----------+-------------------------+-------------------------+--------------------+

| 43 | 43 | 0 | 3012 | 13126 | 0.7340660090379256 |

| 43 | 43 | 1 | 3915 | 12413 | 0.6916945825201548 |

| 43 | 43 | 0 | 1635 | 7651 | 0.7561546513215234 |

| 43 | 43 | 1 | 2083 | 7079 | 0.7851545436188669 |

| 43 | 164 | 0 | 716 | 3731 | 1.274338530919281 |

+--------------+--------------+-----------+-------------------------+-------------------------+--------------------+

Fetched 5 row(s) in 0.61s

#comment---Per day what is the Max taxi commute day + bike number

#comment---Max bike commute day + taxi number

#comment---Per day Table Min taxi commute day+ bike number

#comment---Min bike commute day + taxi number

#comment---Taxi

Max

Select data1, sum(taxi\_commuter\_count), sum(bike\_commuter\_count) from bike\_taxi\_weather\_combine\_day group by data1 order by sum(taxi\_commuter\_count) DESC LIMIT 1;

+------------+--------------------------+--------------------------+

| data1 | sum(taxi\_commuter\_count) | sum(bike\_commuter\_count) |

+------------+--------------------------+--------------------------+

| 2018-05-02 | 29987 | 9286 |

+------------+--------------------------+--------------------------+

Fetched 1 row(s) in 0.21s

select weather from weather where data1="2018-05-02";

+---------+

| weather |

+---------+

| 0 |

+---------+

Fetched 1 row(s) in 0.31s

Min

Select data1, sum(taxi\_commuter\_count), sum(bike\_commuter\_count) from bike\_taxi\_weather\_combine\_day group by data1 order by sum(taxi\_commuter\_count) LIMIT 1;

+------------+--------------------------+--------------------------+

| data1 | sum(taxi\_commuter\_count) | sum(bike\_commuter\_count) |

+------------+--------------------------+--------------------------+

| 2018-01-04 | 282 | 63 |

+------------+--------------------------+--------------------------+

Fetched 1 row(s) in 0.21s

select weather from weather where data1="2018-01-04";

+---------+

| weather |

+---------+

| 2 |

+---------+

Fetched 1 row(s) in 0.11s

#comment---Bike

Max

Select data1, sum(taxi\_commuter\_count), sum(bike\_commuter\_count) from bike\_taxi\_weather\_combine\_day group by data1 order by sum(bike\_commuter\_count) DESC LIMIT 1;

+------------+--------------------------+--------------------------+

| data1 | sum(taxi\_commuter\_count) | sum(bike\_commuter\_count) |

+------------+--------------------------+--------------------------+

| 2018-05-10 | 29307 | 12863 |

+------------+--------------------------+--------------------------+

Fetched 1 row(s) in 0.21s

select weather from weather where data1="2018-05-10";

+---------+

| weather |

+---------+

| 1 |

+---------+

Fetched 1 row(s) in 0.11s

Min

Select data1, sum(taxi\_commuter\_count), sum(bike\_commuter\_count) from bike\_taxi\_weather\_combine\_day group by data1 order by sum(bike\_commuter\_count) LIMIT 1;

+------------+--------------------------+--------------------------+

| data1 | sum(taxi\_commuter\_count) | sum(bike\_commuter\_count) |

+------------+--------------------------+--------------------------+

| 2018-01-04 | 282 | 63 |

+------------+--------------------------+--------------------------+

Fetched 1 row(s) in 0.22s

select weather from weather where data1="2018-01-04";

+---------+

| weather |

+---------+

| 2 |

+---------+

Fetched 1 row(s) in 0.11s