# **Host Behavior Analysis**

---------------------CANADA-----VANCUVER--------------------

select \* from df\_vancouver\_availability

select \* from host\_vancouver\_df

select \* from review\_vancouver\_df

select \* from listing\_vancouver\_df

--b. Using the above analysis, identify the top 3 crucial metrics one needs to maintain to become a

--Super Host and also, find their average values.

SELECT \* into vancouver2 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,count(b.host\_id)as count,

SUM(host\_listings\_count)AS total\_no\_of\_listing,

AVG(price) as avg\_price,avg(host\_acceptance\_rate)as avg\_accptance\_rate,avg(host\_response\_rate)as avg\_response\_rate,

avg(review\_scores\_rating)as avg\_rating,

count(case when host\_has\_profile\_pic='true' then host\_has\_profile\_pic end)as profile\_pic\_available,

count(case when host\_has\_profile\_pic='false' then host\_has\_profile\_pic end)as profile\_pic\_not\_available,

count(case when host\_identity\_verified='true' then host\_identity\_verified end)as identity\_verified,

count(case when host\_identity\_verified='false' then host\_identity\_verified end)as identity\_not\_verified,

count(case when instant\_bookable='True' then 'instant\_bookable' end)as instant\_booking\_available,

count(case when instant\_bookable='False' then 'instant\_bookable' end) as instant\_booking\_not\_available,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_vancouver\_df as a join host\_vancouver\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

alter table vancouver2

add country varchar(50) default 'Canada' with values

alter table vancouver2

add city varchar(50) default 'Vancouver' with values

select \* from vancouver2

--a. Analyze different metrics to draw the distinction between Super Host and Other Hosts:

--To achieve this, you can use the following metrics and explore a few yourself as well.

--Acceptance rate, response rate, instant booking, profile picture, identity verified, review scores,

--average no of bookings per month, etc.

select \* into vancouver1 from

(

select host,month\_name,month,total\_booking from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

month(date)as month,datename(month,date)as month\_name,count(listing\_id) as total\_booking from listing\_vancouver\_df a

join host\_vancouver\_df b on a.host\_id=b.host\_id

join review\_vancouver\_df c on a.id=c.listing\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end,

month(date),datename(month,date)

)as r

where host='superhost' or host='otherhost'

) as k

alter table vancouver1

add country varchar(50) default 'Canada' with values

alter table vancouver1

add city varchar(50) default 'Vancouver' with values

select \* from vancouver1

order by host desc,month

---REVIEW

--c. Analyze how the comments of reviewers vary for listings of Super Hosts vs Other Hosts

--(Extract words from the comments provided by the reviewers)

select \* into vancouver3 from

(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as HOST,

COUNT(reviewer\_id)AS COOUNT\_OF\_REVIEW,

count(case when comments like '%excellent%' or comments like '%love%' or comments like '%greate%' or

comments like '%nice%' or comments like '%good%' or comments like '%beautiful%' or

comments like '%wonderful%' or comments like '%amazing%' then reviewer\_id end) AS

COUNT\_OF\_GOOD\_REVIEW,

COUNT( CASE WHEN comments like '%cancelled%' or comments like '%dirty%' or comments like '%bad%'or comments like

'%disappointed%' THEN reviewer\_id END ) AS BAD\_REVIEW,

COUNT(CASE WHEN comments like '%AVERAGE%' THEN COMMENTS END) AS AVERAGE\_REVIEW

FROM listing\_vancouver\_df as a

join review\_vancouver\_df as b on a.id=b.listing\_id

join host\_vancouver\_df as c on a.host\_id=c.host\_id

GROUP BY case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)

as k

alter table vancouver3

add COUNTRY varchar(50) default 'Canada' with values

alter table vancouver3

add CITY varchar(50) default 'Vancouver' with values

select \* from vancouver3

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SELECT \* into vancouver4 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_dallas\_df as a join host\_dallas\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

select \* from vancouver4;

---------------------ITALY-----VENICE--------------------

select \* from df\_venice\_availability;

select\* from host\_venice\_df;

select\* from listing\_venice\_df;

select \* from review\_venice\_df;

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--a. Analyze different metrics to draw the distinction between Super Host and Other Hosts:

--To achieve this, you can use the following metrics and explore a few yourself as well.

--Acceptance rate, response rate, instant booking, profile picture, identity verified, review scores,

--average no of bookings per month, etc.

SELECT \* into venice\_01 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,count(b.host\_id)as count,

SUM(host\_listings\_count)AS total\_no\_of\_listing,

AVG(price) as avg\_price,avg(host\_acceptance\_rate)as avg\_accptance\_rate,avg(host\_response\_rate)as avg\_response\_rate,

avg(review\_scores\_rating)as avg\_rating,

count(case when host\_has\_profile\_pic='true' then host\_has\_profile\_pic end)as profile\_pic\_available,

count(case when host\_has\_profile\_pic='false' then host\_has\_profile\_pic end)as profile\_pic\_not\_available,

count(case when host\_identity\_verified='true' then host\_identity\_verified end)as identity\_verified,

count(case when host\_identity\_verified='false' then host\_identity\_verified end)as identity\_not\_verified,

count(case when instant\_bookable='True' then 'instant\_bookable' end)as instant\_booking\_available,

count(case when instant\_bookable='False' then 'instant\_bookable' end) as instant\_booking\_not\_available,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_venice\_df as a join host\_venice\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

alter table venice\_01

add country varchar(50) default 'Italy' with values

alter table venice\_01

add city varchar(50) default 'venice' with values

select \* from venice\_01;

-------------------------------------

--b. Using the above analysis, identify the top 3 crucial metrics one needs to maintain to become a

--Super Host and also, find their average values.

select \* into venice2 from

(

select host,month\_name,month,total\_booking from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

month(date)as month,datename(month,date)as month\_name,count(listing\_id)

as total\_booking from listing\_venice\_df a

join host\_venice\_df b on a.host\_id=b.host\_id

join review\_venice\_df c on a.id=c.listing\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end,

month(date),datename(month,date)

)as r

where host='superhost' or host='otherhost'

) as k

alter table venice2

add country varchar(50) default 'Italy' with values

alter table venice2

add city varchar(50) default 'venice' with values

select \* from venice2

order by host desc,month

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--c. Analyze how the comments of reviewers vary for listings of Super Hosts vs Other Hosts

--(Extract words from the comments provided by the reviewers)

select \* into venice3 from

(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as HOST,

COUNT(reviewer\_id)AS COOUNT\_OF\_REVIEW,

count(case when comments like '%excellent%' or comments like '%love%' or comments like '%greate%' or

comments like '%nice%' or comments like '%good%' or comments like '%beautiful%' or

comments like '%wonderful%' or comments like '%amazing%' then reviewer\_id end) AS

COUNT\_OF\_GOOD\_REVIEW,

COUNT( CASE WHEN comments like '%cancelled%' or comments like '%dirty%' or comments like '%bad%'or comments like

'%disappointed%' THEN reviewer\_id END ) AS BAD\_REVIEW,

COUNT(CASE WHEN comments like '%AVERAGE%' THEN COMMENTS END) AS AVERAGE\_REVIEW

FROM listing\_venice\_df as a

join review\_venice\_df as b on a.id=b.listing\_id

join host\_venice\_df as c on a.host\_id=c.host\_id

GROUP BY case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)

as k

alter table venice3

add COUNTRY varchar(50) default 'Italy' with values

alter table venice3

add CITY varchar(50) default 'venice' with values

select \* from venice3;

SELECT \* into venice4 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_dallas\_df as a join host\_dallas\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

select \* from venice4;

---------------------CANADA-----TORONTO--------------------

select\* from host\_toronto\_df;

select\* from listing\_toronto\_df;

select \* from review\_toronto\_df;

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SELECT \* into toronto\_01 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,count(b.host\_id)as count,

SUM(host\_listings\_count)AS total\_no\_of\_listing,

AVG(price) as avg\_price,avg(host\_acceptance\_rate)as avg\_accptance\_rate,avg(host\_response\_rate)as avg\_response\_rate,

avg(review\_scores\_rating)as avg\_rating,

count(case when host\_has\_profile\_pic='true' then host\_has\_profile\_pic end)as profile\_pic\_available,

count(case when host\_has\_profile\_pic='false' then host\_has\_profile\_pic end)as profile\_pic\_not\_available,

count(case when host\_identity\_verified='true' then host\_identity\_verified end)as identity\_verified,

count(case when host\_identity\_verified='false' then host\_identity\_verified end)as identity\_not\_verified,

count(case when instant\_bookable='True' then 'instant\_bookable' end)as instant\_booking\_available,

count(case when instant\_bookable='False' then 'instant\_bookable' end) as instant\_booking\_not\_available,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_toronto\_df as a join host\_toronto\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

alter table toronto\_01

add country varchar(50) default 'Canada' with values

alter table toronto\_01

add city varchar(50) default 'toronto' with values

select \* from toronto\_01;

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select \* into toronto2 from

(

select host,month\_name,month,total\_booking from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

month(date)as month,datename(month,date)as month\_name,count(listing\_id)

as total\_booking from listing\_toronto\_df a

join host\_toronto\_df b on a.host\_id=b.host\_id

join review\_toronto\_df c on a.id=c.listing\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end,

month(date),datename(month,date)

)as r

where host='superhost' or host='otherhost'

) as k

alter table toronto2

add country varchar(50) default 'Canada' with values

alter table toronto2

add city varchar(50) default 'toronto' with values

select \* from toronto2

order by host desc,month

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--c. Analyze how the comments of reviewers vary for listings of Super Hosts vs Other Hosts

--(Extract words from the comments provided by the reviewers)

select \* into toronto3 from

(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as HOST,

COUNT(reviewer\_id)AS COOUNT\_OF\_REVIEW,

count(case when comments like '%excellent%' or comments like '%love%' or comments like '%greate%' or

comments like '%nice%' or comments like '%good%' or comments like '%beautiful%' or

comments like '%wonderful%' or comments like '%amazing%' then reviewer\_id end) AS

COUNT\_OF\_GOOD\_REVIEW,

COUNT( CASE WHEN comments like '%cancelled%' or comments like '%dirty%' or comments like '%bad%'or comments like

'%disappointed%' THEN reviewer\_id END ) AS BAD\_REVIEW,

COUNT(CASE WHEN comments like '%AVERAGE%' THEN COMMENTS END) AS AVERAGE\_REVIEW

FROM listing\_toronto\_df as a

join review\_toronto\_df as b on a.id=b.listing\_id

join host\_toronto\_df as c on a.host\_id=c.host\_id

GROUP BY case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)

as k

alter table toronto3

add COUNTRY varchar(50) default 'Canada' with values

alter table toronto3

add CITY varchar(50) default 'toronto' with values

select \* from toronto3;

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SELECT \* into toronto4 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_dallas\_df as a join host\_dallas\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

select \* from toronto4;

---------------------CHINA-----BEIJING--------------------

select\* from host\_beijing\_df;

select\* from listing\_beijing\_df;

select \* from review\_beijing\_df;

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SELECT \* into beijing1 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,count(b.host\_id)as count,

SUM(host\_listings\_count)AS total\_no\_of\_listing,

AVG(price) as avg\_price,avg(host\_acceptance\_rate)as avg\_accptance\_rate,avg(host\_response\_rate)as avg\_response\_rate,

avg(review\_scores\_rating)as avg\_rating,

count(case when host\_has\_profile\_pic='true' then host\_has\_profile\_pic end)as profile\_pic\_available,

count(case when host\_has\_profile\_pic='false' then host\_has\_profile\_pic end)as profile\_pic\_not\_available,

count(case when host\_identity\_verified='true' then host\_identity\_verified end)as identity\_verified,

count(case when host\_identity\_verified='false' then host\_identity\_verified end)as identity\_not\_verified,

count(case when instant\_bookable='True' then 'instant\_bookable' end)as instant\_booking\_available,

count(case when instant\_bookable='False' then 'instant\_bookable' end) as instant\_booking\_not\_available,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_beijing\_df as a join host\_beijing\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

alter table beijing1

add country varchar(50) default 'China' with values

alter table beijing1

add city varchar(50) default 'beijing' with values

select \* from beijing1;

------------------------------------------------------------------------------------------------------

select \* into beijing2 from

(

select host,month\_name,month,total\_booking from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

month(date)as month,datename(month,date)as month\_name,count(listing\_id)

as total\_booking from listing\_beijing\_df a

join host\_beijing\_df b on a.host\_id=b.host\_id

join review\_beijing\_df c on a.id=c.listing\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end,

month(date),datename(month,date)

)as r

where host='superhost' or host='otherhost'

) as k

alter table beijing2

add country varchar(50) default 'China' with values

alter table beijing2

add city varchar(50) default 'beijing' with values

select \* from beijing2

order by host desc,month

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select \* into beijing3 from

(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as HOST,

COUNT(reviewer\_id)AS COOUNT\_OF\_REVIEW,

count(case when comments like '%excellent%' or comments like '%love%' or comments like '%greate%' or

comments like '%nice%' or comments like '%good%' or comments like '%beautiful%' or

comments like '%wonderful%' or comments like '%amazing%' then reviewer\_id end) AS

COUNT\_OF\_GOOD\_REVIEW,

COUNT( CASE WHEN comments like '%cancelled%' or comments like '%dirty%' or comments like '%bad%'or comments like

'%disappointed%' THEN reviewer\_id END ) AS BAD\_REVIEW,

COUNT(CASE WHEN comments like '%AVERAGE%' THEN COMMENTS END) AS AVERAGE\_REVIEW

FROM listing\_beijing\_df as a

join review\_beijing\_df as b on a.id=b.listing\_id

join host\_beijing\_df as c on a.host\_id=c.host\_id

GROUP BY case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)

as k

alter table beijing3

add COUNTRY varchar(50) default 'China' with values

alter table beijing3

add CITY varchar(50) default 'beijing' with values

select \* from beijing3;

----------------------------------------------------------------------------------

SELECT \* into beijing4 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_dallas\_df as a join host\_dallas\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

select \* from beijing4;

---------------------CHINA-----SHANGHAI--------------------

select\* from host\_shanghai\_df;

select\* from listing\_shanghai\_df;

select \* from review\_shanghai\_df;

-------------------------------------------------------------------------------------------------

SELECT \* into shanghai1 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,count(b.host\_id)as count,

SUM(host\_listings\_count)AS total\_no\_of\_listing,

AVG(price) as avg\_price,avg(host\_acceptance\_rate)as avg\_accptance\_rate,avg(host\_response\_rate)as avg\_response\_rate,

avg(review\_scores\_rating)as avg\_rating,

count(case when host\_has\_profile\_pic='true' then host\_has\_profile\_pic end)as profile\_pic\_available,

count(case when host\_has\_profile\_pic='false' then host\_has\_profile\_pic end)as profile\_pic\_not\_available,

count(case when host\_identity\_verified='true' then host\_identity\_verified end)as identity\_verified,

count(case when host\_identity\_verified='false' then host\_identity\_verified end)as identity\_not\_verified,

count(case when instant\_bookable='True' then 'instant\_bookable' end)as instant\_booking\_available,

count(case when instant\_bookable='False' then 'instant\_bookable' end) as instant\_booking\_not\_available,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_shanghai\_df as a join host\_shanghai\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

alter table shanghai1

add country varchar(50) default 'China' with values

alter table shanghai1

add city varchar(50) default 'shanghai' with values

select \* from shanghai1;

---------------------------------------------------------------------------------

select \* into shanghai2 from

(

select host,month\_name,month,total\_booking from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

month(date)as month,datename(month,date)as month\_name,count(listing\_id)

as total\_booking from listing\_shanghai\_df a

join host\_shanghai\_df b on a.host\_id=b.host\_id

join review\_shanghai\_df c on a.id=c.listing\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end,

month(date),datename(month,date)

)as r

where host='superhost' or host='otherhost'

) as k

alter table shanghai2

add country varchar(50) default 'China' with values

alter table shanghai2

add city varchar(50) default 'shanghai' with values

select \* from shanghai2

order by host desc,month

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select \* into shanghai3 from

(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as HOST,

COUNT(reviewer\_id)AS COOUNT\_OF\_REVIEW,

count(case when comments like '%excellent%' or comments like '%love%' or comments like '%greate%' or

comments like '%nice%' or comments like '%good%' or comments like '%beautiful%' or

comments like '%wonderful%' or comments like '%amazing%' then reviewer\_id end) AS

COUNT\_OF\_GOOD\_REVIEW,

COUNT( CASE WHEN comments like '%cancelled%' or comments like '%dirty%' or comments like '%bad%'or comments like

'%disappointed%' THEN reviewer\_id END ) AS BAD\_REVIEW,

COUNT(CASE WHEN comments like '%AVERAGE%' THEN COMMENTS END) AS AVERAGE\_REVIEW

FROM listing\_shanghai\_df as a

join review\_shanghai\_df as b on a.id=b.listing\_id

join host\_shanghai\_df as c on a.host\_id=c.host\_id

GROUP BY case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)

as k

alter table shanghai3

add COUNTRY varchar(50) default 'China' with values

alter table shanghai3

add CITY varchar(50) default 'shanghai' with values

select \* from shanghai3;

----------------------------------------------------------------------------------

SELECT \* into shanghai4 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_dallas\_df as a join host\_dallas\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

select \* from shanghai4;

---------------------GREECE-----THESSALONIKI--------------------

select\* from host\_thessaloniki\_df;

select\* from listing\_thessaloniki\_df;

select \* from review\_thessaloniki\_df;

--------------------------------------------------------------------------------------------------

SELECT \* into thessaloniki1 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,count(b.host\_id)as count,

SUM(host\_listings\_count)AS total\_no\_of\_listing,

AVG(price) as avg\_price,avg(host\_acceptance\_rate)as avg\_accptance\_rate,avg(host\_response\_rate)as avg\_response\_rate,

avg(review\_scores\_rating)as avg\_rating,

count(case when host\_has\_profile\_pic='true' then host\_has\_profile\_pic end)as profile\_pic\_available,

count(case when host\_has\_profile\_pic='false' then host\_has\_profile\_pic end)as profile\_pic\_not\_available,

count(case when host\_identity\_verified='true' then host\_identity\_verified end)as identity\_verified,

count(case when host\_identity\_verified='false' then host\_identity\_verified end)as identity\_not\_verified,

count(case when instant\_bookable='True' then 'instant\_bookable' end)as instant\_booking\_available,

count(case when instant\_bookable='False' then 'instant\_bookable' end) as instant\_booking\_not\_available,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_thessaloniki\_df as a join host\_thessaloniki\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

alter table thessaloniki1

add country varchar(50) default 'Greece' with values

alter table thessaloniki1

add city varchar(50) default 'thessaloniki' with values

select \* from thessaloniki1;

---------------------------------------------------------------------------------------------------

select \* into thessaloniki2 from

(

select host,month\_name,month,total\_booking from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

month(date)as month,datename(month,date)as month\_name,count(listing\_id)

as total\_booking from listing\_thessaloniki\_df a

join host\_thessaloniki\_df b on a.host\_id=b.host\_id

join review\_thessaloniki\_df c on a.id=c.listing\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end,

month(date),datename(month,date)

)as r

where host='superhost' or host='otherhost'

) as k

alter table thessaloniki2

add country varchar(50) default 'Greece' with values

alter table thessaloniki2

add city varchar(50) default 'thessaloniki' with values

select \* from thessaloniki2

order by host desc,month

------------------------------------------------------------------------------------------

select \* into thessaloniki3 from

(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as HOST,

COUNT(reviewer\_id)AS COOUNT\_OF\_REVIEW,

count(case when comments like '%excellent%' or comments like '%love%' or comments like '%greate%' or

comments like '%nice%' or comments like '%good%' or comments like '%beautiful%' or

comments like '%wonderful%' or comments like '%amazing%' then reviewer\_id end) AS

COUNT\_OF\_GOOD\_REVIEW,

COUNT( CASE WHEN comments like '%cancelled%' or comments like '%dirty%' or comments like '%bad%'or comments like

'%disappointed%' THEN reviewer\_id END ) AS BAD\_REVIEW,

COUNT(CASE WHEN comments like '%AVERAGE%' THEN COMMENTS END) AS AVERAGE\_REVIEW

FROM listing\_thessaloniki\_df as a

join review\_thessaloniki\_df as b on a.id=b.listing\_id

join host\_thessaloniki\_df as c on a.host\_id=c.host\_id

GROUP BY case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)

as k

alter table thessaloniki3

add COUNTRY varchar(50) default 'Greece' with values

alter table thessaloniki3

add CITY varchar(50) default 'thessaloniki' with values

select \* from thessaloniki3;

----------------------------------------------------------------------------------

SELECT \* into thessaloniki4 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_dallas\_df as a join host\_dallas\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

select \* from thessaloniki4;

---------------------TEXAS-US-----AUSTIN--------------------

select\* from host\_austin\_df;

select\* from listing\_austin\_df;

select \* from review\_austin\_df;

--------------------------------------------------------------------------------------

SELECT \* into austin1 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,count(b.host\_id)as count,

SUM(host\_listings\_count)AS total\_no\_of\_listing,

AVG(price) as avg\_price,avg(host\_acceptance\_rate)as avg\_accptance\_rate,avg(host\_response\_rate)as avg\_response\_rate,

avg(review\_scores\_rating)as avg\_rating,

count(case when host\_has\_profile\_pic='true' then host\_has\_profile\_pic end)as profile\_pic\_available,

count(case when host\_has\_profile\_pic='false' then host\_has\_profile\_pic end)as profile\_pic\_not\_available,

count(case when host\_identity\_verified='true' then host\_identity\_verified end)as identity\_verified,

count(case when host\_identity\_verified='false' then host\_identity\_verified end)as identity\_not\_verified,

count(case when instant\_bookable='True' then 'instant\_bookable' end)as instant\_booking\_available,

count(case when instant\_bookable='False' then 'instant\_bookable' end) as instant\_booking\_not\_available,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_austin\_df as a join host\_austin\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

alter table austin1

add country varchar(50) default 'Texas' with values

alter table austin1

add city varchar(50) default 'austin' with values

select \* from austin1;

----------------------------------------------------------------------------------------

select \* into austin2 from

(

select host,month\_name,month,total\_booking from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

month(date)as month,datename(month,date)as month\_name,count(listing\_id)

as total\_booking from listing\_austin\_df a

join host\_austin\_df b on a.host\_id=b.host\_id

join review\_austin\_df c on a.id=c.listing\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end,

month(date),datename(month,date)

)as r

where host='superhost' or host='otherhost'

) as k

alter table austin2

add country varchar(50) default 'Texas' with values

alter table austin2

add city varchar(50) default 'austin' with values

select \* from austin2

order by host desc,month

-----------------------------------------------------------------------------------

select \* into austin3 from

(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as HOST,

COUNT(reviewer\_id)AS COOUNT\_OF\_REVIEW,

count(case when comments like '%excellent%' or comments like '%love%' or comments like '%greate%' or

comments like '%nice%' or comments like '%good%' or comments like '%beautiful%' or

comments like '%wonderful%' or comments like '%amazing%' then reviewer\_id end) AS

COUNT\_OF\_GOOD\_REVIEW,

COUNT( CASE WHEN comments like '%cancelled%' or comments like '%dirty%' or comments like '%bad%'or comments like

'%disappointed%' THEN reviewer\_id END ) AS BAD\_REVIEW,

COUNT(CASE WHEN comments like '%AVERAGE%' THEN COMMENTS END) AS AVERAGE\_REVIEW

FROM listing\_austin\_df as a

join review\_austin\_df as b on a.id=b.listing\_id

join host\_austin\_df as c on a.host\_id=c.host\_id

GROUP BY case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)

as k

alter table austin3

add COUNTRY varchar(50) default 'Texas' with values

alter table austin3

add CITY varchar(50) default 'austin' with values

select \* from austin3;

----------------------------------------------------------------------------------

SELECT \* into austin4 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_dallas\_df as a join host\_dallas\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

select \* from austin4;

---------------------TEXAS-US-----DALLAS--------------------

select\* from host\_dallas\_df;

select\* from listing\_dallas\_df;

select \* from review\_dallas\_df;

------------------------------------------------------------------------------------------

SELECT \* into dallas1 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,count(b.host\_id)as count,

SUM(host\_listings\_count)AS total\_no\_of\_listing,

AVG(price) as avg\_price,avg(host\_acceptance\_rate)as avg\_accptance\_rate,avg(host\_response\_rate)as avg\_response\_rate,

avg(review\_scores\_rating)as avg\_rating,

count(case when host\_has\_profile\_pic='true' then host\_has\_profile\_pic end)as profile\_pic\_available,

count(case when host\_has\_profile\_pic='false' then host\_has\_profile\_pic end)as profile\_pic\_not\_available,

count(case when host\_identity\_verified='true' then host\_identity\_verified end)as identity\_verified,

count(case when host\_identity\_verified='false' then host\_identity\_verified end)as identity\_not\_verified,

count(case when instant\_bookable='True' then 'instant\_bookable' end)as instant\_booking\_available,

count(case when instant\_bookable='False' then 'instant\_bookable' end) as instant\_booking\_not\_available,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_dallas\_df as a join host\_dallas\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

alter table dallas1

add country varchar(50) default 'Texas' with values

alter table dallas1

add city varchar(50) default 'dallas' with values

select \* from dallas1;

----------------------------------------------------------------------------------

select \* into dallas2 from

(

select host,month\_name,month,total\_booking from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

month(date)as month,datename(month,date)as month\_name,count(listing\_id)

as total\_booking from listing\_dallas\_df a

join host\_dallas\_df b on a.host\_id=b.host\_id

join review\_dallas\_df c on a.id=c.listing\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end,

month(date),datename(month,date)

)as r

where host='superhost' or host='otherhost'

) as k

alter table dallas2

add country varchar(50) default 'Texas' with values

alter table dallas2

add city varchar(50) default 'dallas' with values

select \* from dallas2

order by host desc,month

--------------------------------------------------------------------------

select \* into dallas3 from

(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as HOST,

COUNT(reviewer\_id)AS COOUNT\_OF\_REVIEW,

count(case when comments like '%excellent%' or comments like '%love%' or comments like '%greate%' or

comments like '%nice%' or comments like '%good%' or comments like '%beautiful%' or

comments like '%wonderful%' or comments like '%amazing%' then reviewer\_id end) AS

COUNT\_OF\_GOOD\_REVIEW,

COUNT( CASE WHEN comments like '%cancelled%' or comments like '%dirty%' or comments like '%bad%'or comments like

'%disappointed%' THEN reviewer\_id END ) AS BAD\_REVIEW,

COUNT(CASE WHEN comments like '%AVERAGE%' THEN COMMENTS END) AS AVERAGE\_REVIEW

FROM listing\_dallas\_df as a

join review\_dallas\_df as b on a.id=b.listing\_id

join host\_dallas\_df as c on a.host\_id=c.host\_id

GROUP BY case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)

as k

alter table dallas3

add COUNTRY varchar(50) default 'Texas' with values

select \* from dallas3;

----------------------------------------------------------------------------------

SELECT \* into dallas4 from

(

select \* from(

select case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end as host,

count(case when room\_type='entire home/apt' then 'room\_type' end) as large\_property,

count(case when room\_type='private room' then 'room\_type' end) as small\_property

from listing\_dallas\_df as a join host\_dallas\_df as b

on a.host\_id=b.host\_id

group by case when host\_is\_superhost='true' then 'superhost'

when host\_is\_superhost='false' then 'otherhost' end)as f

where host='superhost' or host='otherhost') as k

select \* from dallas4;

select\* from host\_dallas\_df;

select\* from listing\_dallas\_df;