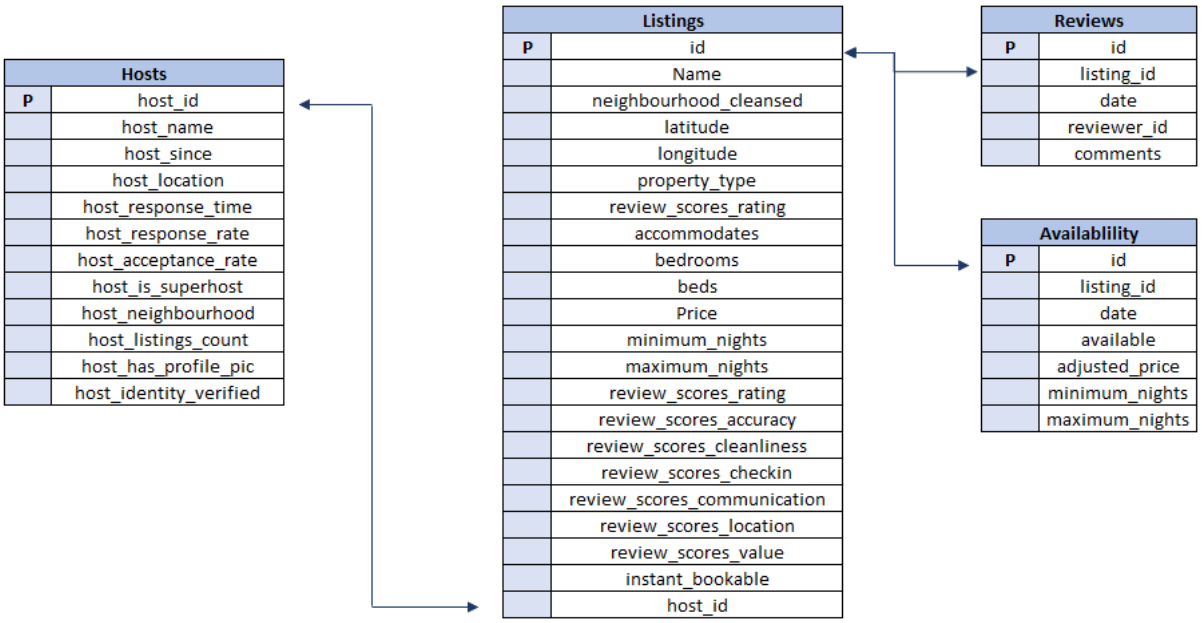
# HOST BEHAVIOR ANALYSIS FOR PROPERTY RENTAL COMPANY

SQL PROJECT

MAY 28, 2022

DIPANJAN MAITY
NIKIT OOMMEN

# DATA OVERVIEW



## Count of SUPER HOST VS NORMAL HOST Over PROFILE PICTURE

### TORONTO

```
select
sum(case when host_is_superhost='TRUE' and host_has_profile_pic='TRUE' then 1 else 0 end)
as superhost_with_profilepic,
sum(case when host_is_superhost='TRUE' and host_has_profile_pic='FALSE' then 1 else 0
end) as superhost_without_profilepic,
sum(case when host_is_superhost='FALSE' and host_has_profile_pic='TRUE' then 1 else 0
end) as host_with_profilepic,
sum(case when host_is_superhost='FALSE' and host_has_profile_pic='FALSE' then 1 else 0
end) as host_without_profilepic
from host_toronto_df;
```

| | superhost_with_profilepic | superhost_without_profilepic | host_with_profilepic | host_without_profilepic |
|---|---|---|---|---|
| 1 | 2351 | 2 | 7532 | 84 |

### VANCOUVER

```
select
sum(case when host_is_superhost='TRUE' and host_has_profile_pic='TRUE' then 1 else 0 end)
as superhost_with_profilepic,
sum(case when host_is_superhost='TRUE' and host_has_profile_pic='FALSE' then 1 else 0
end) as superhost_without_profilepic,
sum(case when host_is_superhost='FALSE' and host_has_profile_pic='TRUE' then 1 else 0
end) as host_with_profilepic,
sum(case when host_is_superhost='FALSE' and host_has_profile_pic='FALSE' then 1 else 0
end) as host_without_profilepic
from host_vancouver_df;
```

| | superhost_with_profilepic | superhost_without_profilepic | host_with_profilepic | host_without_profilepic |
|---|---|---|---|---|
| 1 | 1225 | 3 | 1879 | 19 |

## Count of SUPER HOST VS NORMAL HOST Over  IDENTITY VERIFICATION

### TORONTO

```
select
sum(case when host_is_superhost='TRUE' and host_identity_verified='TRUE' then 1 else 0
end) as superhost_with_identity,
sum(case when host_is_superhost='TRUE' and host_identity_verified='FALSE' then 1 else 0
end) as superhost_without_identity,
sum(case when host_is_superhost='FALSE' and host_identity_verified='TRUE' then 1 else 0
end) as host_with_identity,
sum(case when host_is_superhost='FALSE' and host_identity_verified='FALSE' then 1 else 0
end) as host_without_identity
from host_toronto_df;
```

| | superhost_with_identity | superhost_without_identity | host_with_identity | host_without_identity |
|---|---|---|---|---|
| 1 | 2222 | 131 | 5745 | 1871 |

### VANCOUVER

```
select
sum(case when host_is_superhost='TRUE' and host_identity_verified='TRUE' then 1 else 0
end) as superhost_with_identity,
sum(case when host_is_superhost='TRUE' and host_identity_verified='FALSE' then 1 else 0
end) as superhost_without_identity,
sum(case when host_is_superhost='FALSE' and host_identity_verified='TRUE' then 1 else 0
end) as host_with_identity,
sum(case when host_is_superhost='FALSE' and host_identity_verified='FALSE' then 1 else 0
end) as host_without_identity
from host_vancouver_df;
```

Results Messages

| | superhost_with_identity | superhost_without_identity | host_with_identity | host_without_identity |
|---|---|---|---|---|
| 1 | 1184 | 44 | 1583 | 315 |

## Count of SUPER HOST VS NORMAL HOST Over Acceptance_Rate

### TORONTO

```
OVER ALL Average Acceptance Rate = 78.8837341412611

select
sum (case when host_is_superhost='TRUE' and host_acceptance_rate > 78.883734 then 1 else
0 end) as SUPERHOST_WITH_more_than_avg_acceptance_rate,
sum (case when host_is_superhost='TRUE' and host_acceptance_rate < 78.883734 then 1 else
0 end) as SUPERHOST_WITH_Less_than_avg_acceptance_rate,
sum (case when host_is_superhost='FALSE' and host_acceptance_rate > 78.883734 then 1 else
0 end) as HOST_WITH_more_than_avg_acceptance_rate,
sum (case when host_is_superhost='FALSE' and host_acceptance_rate < 78.883734 then 1 else
0 end) as HOST_WITH_less_than_avg_acceptance_rate
from host_toronto_df ;
```

| | SUPERHOST_WITH_more_than_avg_acceptance_rate | SUPERHOST_WITH_Less_than_avg_acceptance_rate | HOST_WITH_more_than_avg_acceptance_rate | HOST_WITH_less_than_avg_acceptance_rate |
|---|---|---|---|---|
| 1 | 1559 | 430 | 2105 | 1187 |

---

### VANCOUVER

```
OVER ALL Average Acceptance Rate = 85.3716075156576

select
sum (case when host_is_superhost='TRUE' and host_acceptance_rate > 85.3716075156576 then
1 else 0 end) as SUPERHOST_WITH_more_than_avg_acceptance_rate,
sum (case when host_is_superhost='TRUE' and host_acceptance_rate < 85.3716075156576 then
1 else 0 end) as SUPERHOST_WITH_Less_than_avg_acceptance_rate,
sum (case when host_is_superhost='FALSE' and host_acceptance_rate > 85.3716075156576 then
1 else 0 end) as HOST_WITH_more_than_avg_acceptance_rate,
sum (case when host_is_superhost='FALSE' and host_acceptance_rate < 85.3716075156576then
1 else 0 end) as HOST_WITH_less_than_avg_acceptance_rate
from host_vancouver_df ;
```

Results Messages

| | SUPERHOST_WITH_more_than_avg_acceptance_rate | SUPERHOST_WITH_Less_than_avg_acceptance_rate | HOST_WITH_more_than_avg_acceptance_rate | HOST_WITH_less_than_avg_acceptance_rate |
|---|---|---|---|---|
| 1 | 909 | 197 | 854 | 435 |

## Count SUPER HOST VS NORMAL HOST Over Response Rate

### TORONTO

```
AVG response rate = 89.6352661785078

select
sum (case when host_is_superhost='TRUE' and host_response_rate > 89.6352661785078 then 1
else 0 end) as SUPERHOST_WITH_more_than_avg_response_rate,
sum (case when host_is_superhost='TRUE' and host_response_rate < 89.6352661785078 then 1
else 0 end) as SUPERHOST_WITH_less_than_avg_response_rate,
sum (case when host_is_superhost='FALSE' and host_response_rate > 89.6352661785078 then 1
else 0 end) as HOST_WITH_more_than_avg_response_rate,
sum (case when host_is_superhost='FALSE' and host_response_rate < 89.6352661785078 then 1
else 0 end) as HOST_WITH_less_than_avg_response_rate
from host_toronto_df ;
```

| | SUPERHOST_WITH_more_than_avg_response_rate | SUPERHOST_WITH_less_than_avg_response_rate | HOST_WITH_more_than_avg_response_rate | HOST_WITH_less_than_avg_response_rate |
|---|---|---|---|---|
| 1 | 1769 | 79 | 2449 | 756 |

### VANCOUVER

```
select
sum (case when host_is_superhost='TRUE' and host_response_rate > 94.6474591651543 then 1
else 0 end) as SUPERHOST_WITH_more_than_avg_response_rate,
sum (case when host_is_superhost='TRUE' and host_response_rate < 94.6474591651543 then 1
else 0 end) as SUPERHOST_WITH_less_than_avg_response_rate,
sum (case when host_is_superhost='FALSE' and host_response_rate > 94.6474591651543 then 1
else 0 end) as HOST_WITH_more_than_avg_response_rate,
sum (case when host_is_superhost='FALSE' and host_response_rate < 94.6474591651543 then 1
else 0 end) as HOST_WITH_less_than_avg_response_rate
from host_vancouver_df ;
```

| | SUPERHOST_WITH_more_than_avg_response_rate | SUPERHOST_WITH_less_than_avg_response_rate | HOST_WITH_more_than_avg_response_rate | HOST_WITH_less_than_avg_response_rate |
|---|---|---|---|---|
| 1 | 974 | 60 | 934 | 236 |

# INSTANT_BOOKABLE

## No of Super Host with At least one Instant Booking

### TORONTO

```
select count(Host_ID) as HOST_COUNT from (
select A.Host_Id,
sum(case when instant_bookable='TRUE' then 1 else 0 end) as AA
from host_toronto_df as A
left join listing_toronto_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='TRUE'
group by  A.Host_Id)DD where AA >0;
```

| | HOST_COUNT |
|---|---|
| 1 | 591 |

### VANCOUVER

```
select count(Host_ID) from (
select A.Host_Id,
sum(case when instant_bookable='TRUE' then 1 else 0 end) as AA
from host_vancouver_df as A
left join listing_vancouver_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='TRUE'
group by  A.Host_Id)DD where AA >0;
```

| | (No column name) |
|---|---|
| 1 | 360 |

## No of Super Host with 0 Instant Booking

### TORONTO

```
select count(Host_ID) from (
select A.Host_Id,
sum(case when instant_bookable='TRUE' then 1 else 0 end) as AA
from host_toronto_df as A
left join listing_toronto_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='TRUE'
group by  A.Host_Id)DD where AA =0;
```

| | (No column name) |
|---|---|
| 1 | 1762 |

### VANCOUVER

```
select count(Host_ID) from (
select A.Host_Id,
sum(case when instant_bookable='TRUE' then 1 else 0 end) as AA
from host_vancouver_df as A
left join listing_vancouver_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='TRUE'
group by  A.Host_Id)DD where AA =0;
```

| | (No column name) |
|---|---|
| 1 | 868 |

## No of Normal Host with At least One Instant Booking

### TORONTO

```
select count(Host_ID) from (
select A.Host_Id,
sum(case when instant_bookable='TRUE' then 1 else 0 end) as AA
from host_toronto_df as A
left join listing_toronto_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='False'
group by  A.Host_Id)DD where AA >0;
```

| | (No column name) |
|---|---|
| 1 | 2058 |

### VANCOUVER

```
select count(Host_ID) from (
select A.Host_Id,
sum(case when instant_bookable='TRUE' then 1 else 0 end) as AA
from host_vancouver_df as A
left join listing_vancouver_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='False'
group by  A.Host_Id)DD where AA >0;
```

| | (No column name) |
|---|---|
| 1 | 631 |

## No of Nrmal Host with 0 Instant Booking

**TORONTO**

```
select count(Host_ID) from (
select A.Host_Id,
sum(case when instant_bookable='TRUE' then 1 else 0 end) as AA
from host_toronto_df as A
left join listing_toronto_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='False'
group by  A.Host_Id)DD where AA =0;
```

| | |
|---|---|
| 1 | 5558 |

**VANCOUVER**

```
select count(Host_ID) from (
select A.Host_Id,
sum(case when instant_bookable='TRUE' then 1 else 0 end) as AA
from host_vancouver_df as A
left join listing_vancouver_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='False'
group by  A.Host_Id)DD where AA =0;
```

Results Messages

| | (No column name) |
|---|---|
| 1 | 1267 |

# Review_Scores_Rating

## Number of Super Host with Average Rating greater than 4 for review_scores_rating

### TORONTO

```
select count(*) as Host_count from (
select distinct A.Host_ID, avg(B.review_scores_rating) over (partition by A.Host_ID ) as
avg_rating from
host_toronto_df as A
inner join listing_toronto_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='TRUE')AA
where avg_rating>4;
```

| | Host_count |
|---|---|
| 1 | 2297 |

### VANCOUVER

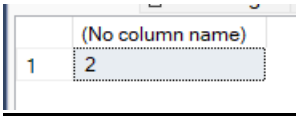
```
select count(*) as HOST_COUNT from (
select distinct A.Host_ID, avg(B.review_scores_rating) over (partition by A.Host_ID ) as
avg_rating from
host_vancouver_df as A
inner join listing_vancouver_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='TRUE')AA
where avg_rating>4;
```

| | HOST_COUNT |
|---|---|
| 1 | 1203 |

## Number of Super host with Average Rating less_than equal to 4 for review_scores_rating

### TORONTO

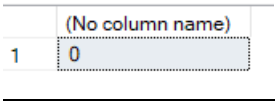
```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_rating) over (partition by A.Host_ID ) as
avg_rating from
host_toronto_df as A
inner join listing_toronto_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='TRUE')AA
where avg_rating<=4;
```



| | (No column name) |
|---|---|
| 1 | 2 |

### VANCOUVER

```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_rating) over (partition by A.Host_ID ) as
avg_rating from
host_vancouver_df as A
inner join listing_vancouver_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='TRUE')AA
where avg_rating<=4;
```



| | (No column name) |
|---|---|
| 1 | 0 |

## Number of Normal host with Average Rating greater_than 4 for review_scores_rating

### TORONTO

```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_rating) over (partition by A.Host_ID ) as
avg_rating from
host_toronto_df as A
inner join listing_toronto_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='FALSE')AA
where avg_rating>4;
```

| | (No column name) |
|---|---|
| 1 | 5008 |

### VANCOUVER

```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_rating) over (partition by A.Host_ID ) as
avg_rating from
host_vancouver_df as A
inner join listing_vancouver_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='FALSE')AA
where avg_rating>4;
```

| | (No column name) |
|---|---|
| 1 | 1467 |

## Number of Normal host with Average Rating Less_than_equal to 4 for review_scores_rating

### TORONTO

```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_rating) over (partition by A.Host_ID ) as
avg_rating from
host_toronto_df as A
inner join listing_toronto_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='False')AA
where avg_rating<=4;
```

| | (No column name) |
|---|---|
| 1 | 385 |

### VANCOUVER

```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_rating) over (partition by A.Host_ID ) as
avg_rating from
host_vancouver_df as A
inner join listing_vancouver_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='False')AA
where avg_rating<=4;
```

| | (No column name) |
|---|---|
| 1 | 60 |

# Review_Scores_Value(Value for money)

## Number of Super host with Average Rating greater than 4 for review_scores_value

### TORONTO

```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_value) over (partition by A.Host_ID) as
avg_rating
from host_toronto_df as A
inner join listing_toronto_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='TRUE')AA
where avg_rating > 4;
```

| | (No column name) |
|---|---|
| 1 | 2287 |

### VANCOUVER

```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_value) over (partition by A.Host_ID) as
avg_rating
from host_vancouver_df as A
inner join listing_vancouver_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='TRUE')AA
where avg_rating > 4;
```

| | (No column name) |
|---|---|
| 1 | 1202 |

## Number of Super host with Average Rating less_than 4 for review_scores_value

### TORONTO

```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_value) over (partition by A.Host_ID) as
avg_rating
from host_toronto_df as A
inner join listing_toronto_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='TRUE')AA
where avg_rating < 4 ;
```

| | (No column name) |
|---|---|
| 1 | 4 |

### VANCOUVER

```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_value) over (partition by A.Host_ID) as
avg_rating
from host_vancouver_df as A
inner join listing_vancouver_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='TRUE')AA
where avg_rating < 4 ;
```

| | (No column name) |
|---|---|
| 1 | 0 |

## Number of Normal host with Average Rating greater_than 4 for review_scores_value

### TORONTO

```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_value) over (partition by A.Host_ID) as
avg_rating
from host_toronto_df as A
inner join listing_toronto_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='FALSE')AA
where avg_rating > 4 ;
```

| | (No column name) |
|---|---|
| 1 | 4987 |

### VANCOUVER

```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_value) over (partition by A.Host_ID) as
avg_rating
from host_vancouver_df as A
inner join listing_vancouver_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='FALSE')AA
where avg_rating > 4 ;
```

| | (No column name) |
|---|---|
| 1 | 1440 |

## Number of Normal host with Average Rating less_than 4 for review_scores_value

### TORONTO

```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_value) over (partition by A.Host_ID) as
avg_rating
from host_toronto_df as A
inner join listing_toronto_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='FALSE')AA
where avg_rating < 4 ;
```

| | (No column name) |
|---|---|
| 1 | 234 |

### VANCOUVER

```
select count(*) from (
select distinct A.Host_ID, avg(B.review_scores_value) over (partition by A.Host_ID) as
avg_rating
from host_vancouver_df as A
inner join listing_vancouver_df as B on A.Host_ID=B.Host_ID
where A.host_is_superhost='FALSE')AA
where avg_rating < 4 ;
```

| | (No column name) |
|---|---|
| 1 | 47 |

# Positive Review

## Number of SUPER HOST who got atleast 4 positive comments

### TORONTO

```
Select Count(host_id) from (
Select H.host_id, Sum( Case when(F.comments like '%Great Location%' or F.comments like
'%excellent%'
or F.comments like '%kind%' or F.comments like '%Good%'or F.comments like '%love%'or
F.comments like '%Perfect%')
then 1 else 0 end) as SUp_1
from listing_toronto_df D
inner join review_toronto_df f on D.id=f.listing_id
inner join host_toronto_df H on D.host_id=H.host_id
Where H.host_is_superhost = 'TRUE'
group by H.host_id)z where Sup_1 >3
```

| | (No column name) |
|---|---|
| 1 | 2054 |

### VANCOUVER

```
Select Count(host_id) from (
Select H.host_id, Sum( Case when(F.comments like '%Great Location%' or F.comments like
'%excellent%'
or F.comments like '%kind%' or F.comments like '%Good%'or F.comments like '%love%'or
F.comments like '%Perfect%')
then 1 else 0 end) as SUp_1
from listing_vancouver_df D
inner join review_vancouver_df f on D.id=f.listing_id
inner join host_vancouver_df H on D.host_id=H.host_id
Where H.host_is_superhost = 'TRUE'
group by H.host_id)z where Sup_1 >3
```

| | (No column name) |
|---|---|
| 1 | 1120 |

## Number of SUPER HOST who got at least 4 Negative comments

### TORONTO

```
Select Count(host_id) from (
Select H.host_id, Sum( Case when(F.comments like '%Cancelled%' or F.comments like
'%average%'
or F.comments like '%Dirty%' or F.comments like '%Bad%'or F.comments like
'%Disappointed%')
then 1 else 0 end) as SUp_1
from listing_toronto_df D
inner join review_toronto_df f on D.id=f.listing_id
inner join host_toronto_df H on D.host_id=H.host_id
Where H.host_is_superhost = 'TRUE'
group by H.host_id)z where Sup_1 >3
```

| | (No column name) |
|---|---|
| 1 | 133 |

### VANCOUVER

```
Select Count(host_id) from (
Select H.host_id, Sum( Case when(F.comments like '%Cancelled%' or F.comments like
'%average%'
or F.comments like '%Dirty%' or F.comments like '%Bad%'or F.comments like
'%Disappointed%')
then 1 else 0 end) as SUp_1
from listing_vancouver_df D
inner join review_vancouver_df f on D.id=f.listing_id
inner join host_vancouver_df H on D.host_id=H.host_id
Where H.host_is_superhost = 'TRUE'
group by H.host_id)z where Sup_1 >3
```

| | (No column name) |
|---|---|
| 1 | 65 |

## Number of NORMAL HOST who got atleast 4 positive comments

### TORONTO

```
Select Count(host_id) from (
Select H.host_id, Sum( Case when(F.comments like '%Great Location%' or F.comments like
'%excellent%'
or F.comments like '%kind%' or F.comments like '%Good%'or F.comments like '%love%'or
F.comments like '%Perfect%')
then 1 else 0 end) as SUp_1
from listing_toronto_df D
inner join review_toronto_df f on D.id=f.listing_id
inner join host_toronto_df H on D.host_id=H.host_id
Where H.host_is_superhost = 'FALSE'
group by H.host_id)z where Sup_1 >3
```

| | (No column name) |
|---|---|
| 1 | 2868 |

### VANCOUVER

```
Select Count(host_id) from (
Select H.host_id, Sum( Case when(F.comments like '%Great Location%' or F.comments like
'%excellent%'
or F.comments like '%kind%' or F.comments like '%Good%'or F.comments like '%love%'or
F.comments like '%Perfect%')
then 1 else 0 end) as SUp_1
from listing_vancouver_df D
inner join review_vancouver_df f on D.id=f.listing_id
inner join host_vancouver_df H on D.host_id=H.host_id
Where H.host_is_superhost = 'FALSE'
group by H.host_id)z where Sup_1 >3;
```

| | (No column name) |
|---|---|
| 1 | 950 |

## Number of NORMAL HOST who got atleast 4 Negetive comments

### TORONTO

```
Select Count(host_id) from (
Select H.host_id, Sum( Case when(F.comments like '%Cancelled%' or F.comments like
'%average%'
or F.comments like '%Dirty%' or F.comments like '%Bad%'or F.comments like
'%Disappointed%')
then 1 else 0 end) as SUp_1
from listing_toronto_df D
inner join review_toronto_df f on D.id=f.listing_id
inner join host_toronto_df H on D.host_id=H.host_id
Where H.host_is_superhost = 'FALSE'
group by H.host_id)z where Sup_1 >3
```

| | (No column name) |
|---|---|
| 1 | 232 |

### VANCOUVER

```
Select Count(host_id) from (
Select H.host_id, Sum( Case when(F.comments like '%Cancelled%' or F.comments like
'%average%'
or F.comments like '%Dirty%' or F.comments like '%Bad%'or F.comments like
'%Disappointed%')
then 1 else 0 end) as SUp_1
from listing_vancouver_df D
inner join review_vancouver_df f on D.id=f.listing_id
inner join host_vancouver_df H on D.host_id=H.host_id
Where H.host_is_superhost = 'FALSE'
group by H.host_id)z where Sup_1 >3
```

| | (No column name) |
|---|---|
| 1 | 84 |

# SUPER HOST VS NORMAL HOST OVER BIG LISTING

## No of SUPER HOST who have atleast one big listing

### TORONTO

```
select Count(Host_id)  from(
Select h.host_id,count(h.host_id) as CC from host_toronto_df H
inner join listing_toronto_df L on H.host_id=L.host_id
 where (property_type like '%entire%' or
property_type like '%houseboat%' or
property_type like '%Barn%' or
property_type like '%Boat%')
and host_is_superhost = 'True' group by h.host_id)a
```

| | (No column name) |
|---|---|
| 1 | 1915 |

### VANCOUVER

```
select Count(Host_id)  from(
Select h.host_id,count(h.host_id) as CC from host_vancouver_df H
inner join listing_vancouver_df L on H.host_id=L.host_id
 where (property_type like '%entire%' or
property_type like '%houseboat%' or
property_type like '%Barn%' or
property_type like '%Boat%')
and host_is_superhost = 'True' group by h.host_id)a
```

Results Messages

| | (No column name) |
|---|---|
| 1 | 1108 |

## No of Normal Host who have atleast one big listing

### TORONTO

```
select Count(Host_id) from(
Select h.host_id,count(h.host_id) as CC from host_toronto_df H
inner join listing_toronto_df L on H.host_id=L.host_id
 where (property_type like '%entire%' or
property_type like '%houseboat%'
or property_type like '%Barn%' or
property_type like '%Boat%')
and host_is_superhost = 'False' group by h.host_id)a
```

| | (No column name) |
|---|---|
| 1 | 5476 |

### VANCOUVER

```
select Count(Host_id) from(
Select h.host_id,count(h.host_id) as CC from host_vancouver_df H
inner join listing_vancouver_df L on H.host_id=L.host_id
 where (property_type like '%entire%' or
property_type like '%houseboat%'
or property_type like '%Barn%' or
property_type like '%Boat%')
and host_is_superhost = 'False' group by h.host_id)a
```

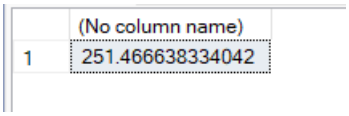
| | (No column name) |
|---|---|
| 1 | 1609 |

# AVERAGE PRICE

## TORONTO

### Average price for SUPER HOST

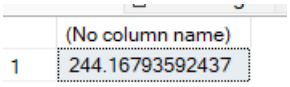
```
select avg (A) from (
select H.Host_id, sum(L.price) As A
from listing_toronto_df as L
inner join host_toronto_df H on L.host_id=H.host_id
where H.host_is_superhost = 'TRUE'
group by H.Host_id)AA;
```



| | (No column name) |
|---|---|
| 1 | 251.466638334042 |

### Average price for NORMAL HOST

```
select avg(A) from (
select H.Host_id, sum(L.price) as A
from listing_toronto_df as L
inner join host_toronto_df H on L.host_id=H.host_id
where H.host_is_superhost = 'FALSE'
group by H.Host_id)AA
```



| | (No column name) |
|---|---|
| 1 | 244.16793592437 |

**VANCOUVER**

## Average price for SUPER HOST

```
select avg (A) from (
select H.Host_id, sum(L.price) As A
from listing_vancouver_df as L
inner join host_vancouver_df H on L.host_id=H.host_id
where H.host_is_superhost = 'TRUE'
group by H.Host_id)AA;
```

| | (No column name) |
|---|---|
| 1 | 248.17671009772 |

## Average price for NORMAL HOST

```
select avg(A) from (
select H.Host_id, sum(L.price) as A
from listing_vancouver_df as L
inner join host_vancouver_df H on L.host_id=H.host_id
where H.host_is_superhost = 'FALSE'
group by H.Host_id)AA
```

| | (No column name) |
|---|---|
| 1 | 310.439409905163 |

# Days Available

## Total number of Days Available in the year 2023 for each SUPER HOST

### TORONTO

```
select H.Host_id,Count(A.available) as AVAILABLE_COUNT
from listing_toronto_df as L
inner join host_toronto_df H on L.host_id=H.host_id
inner join df_toronto_availability as A on A.listing_id=L.id
where A.available = 'True' and
 H.host_is_superhost = 'TRUE' and
 year(A.Date)='2023'
 group by H.Host_id;
```

| | Host_id | AVAILABLE_COUNT |
|---|---|---|
| 1 | 159947 | 66 |
| 2 | 569339 | 132 |
| 3 | 591649 | 66 |
| 4 | 1618054 | 66 |
| 5 | 1704172 | 66 |
| 6 | 2004846 | 66 |
| 7 | 2955082 | 66 |
| 8 | 4951854 | 132 |
| 9 | 5446996 | 66 |
| 10 | 5724438 | 66 |
| 11 | 6056875 | 66 |
| 12 | 6410636 | 66 |

Query executed successfully.

### VANCOUVER

```
select H.Host_id,Count(A.available) as AVAILABLE_COUNT
from listing_vancouver_df as L
inner join host_vancouver_df H on L.host_id=H.host_id
inner join df_vancouver_availability as A on A.listing_id=L.id
where A.available = 'True' and
 H.host_is_superhost = 'TRUE' and
 year(A.Date)='2023'
 group by H.Host_id;
```

| | Host_id | AVAILABLE_COUNT |
|---|---|---|
| 1 | 9131888 | 69 |
| 2 | 9862171 | 69 |
| 3 | 20133146 | 136 |
| 4 | 15630601 | 38 |
| 5 | 77605261 | 69 |
| 6 | 136418325 | 69 |
| 7 | 3804851 | 68 |
| 8 | 23629057 | 136 |
| 9 | 19475867 | 68 |
| 10 | 16258338 | 68 |
| 11 | 293583929 | 297 |
| 12 | 199275310 | 137 |
| 13 | 416004634 | 68 |
| 14 | 141458230 | 68 |
| 15 | 106542915 | 68 |
| 16 | 53967300 | 138 |

Query executed successfully.

## Total number of Days Available in the year 2023 for each NORMAL HOST

### TORONTO

```
select H.Host_id,Count(A.available) as AVAILABLE_COUNT
from listing_toronto_df as L
inner join host_toronto_df H on L.host_id=H.host_id
inner join df_toronto_availability as A on A.listing_id=L.id
where A.available = 'True' and
 H.host_is_superhost = 'FALSE'and
 year(A.Date)='2023'
 group by H.Host_id
```

Results | Messages

| | Host_id | AVAILABLE_COUNT |
|---|---|---|
| 1 | 604233 | 66 |
| 2 | 25161444 | 66 |
| 3 | 36564325 | 66 |
| 4 | 72938007 | 66 |
| 5 | 828563 | 66 |
| 6 | 22438512 | 66 |
| 7 | 22868073 | 66 |
| 8 | 104125177 | 66 |
| 9 | 157318885 | 198 |
| 10 | 110716020 | 66 |
| 11 | 6521627 | 66 |
| 12 | 230645099 | 66 |

Query executed successfully.

### VANCOUVER

```
select H.Host_id,Count(A.available) as AVAILABLE_COUNT
from listing_vancouver_df as L
inner join host_vancouver_df H on L.host_id=H.host_id
inner join df_vancouver_availability as A on A.listing_id=L.id
where A.available = 'True' and
 H.host_is_superhost = 'FALSE'and
 year(A.Date)='2023'
 group by H.Host_id;
```

| | Host_id | AVAILABLE_COUNT |
|---|---|---|
| 1 | 40816668 | 68 |
| 2 | 86344341 | 68 |
| 3 | 83193991 | 68 |
| 4 | 18295027 | 68 |
| 5 | 139762948 | 136 |
| 6 | 156698374 | 136 |
| 7 | 60152405 | 137 |
| 8 | 258785751 | 69 |
| 9 | 412507256 | 68 |
| 10 | 219146817 | 68 |
| 11 | 11132986 | 68 |
| 12 | 141784887 | 68 |
| 13 | 125408114 | 68 |
| 14 | 328113936 | 68 |
| 15 | 91203652 | 68 |
| 16 | 423187001 | 68 |

Query executed successfully.

# LOCAL HOST vs OUTSIDER HOST Over ACCEPTANCE RATE

## Total number of HOST who are LOCAL to their listing Property and having more than Acceptance Rate of 80

### TORONTO

```
select count (*) from (
 Select H.Host_ID,H.host_acceptance_rate from host_toronto_df as  H
inner join listing_toronto_df as L on H.host_neighbourhood =L.neighbourhood_cleansed and
H.Host_ID=L.Host_ID
group By H.Host_ID,H.host_acceptance_rate
having H.host_acceptance_rate>80)AA
```

| | (No column name) |
|---|---|
| 1 | 432 |

### VANCOUVER

```
select count (*) from (
 Select H.Host_ID,H.host_acceptance_rate from host_vancouver_df as  H
inner join listing_vancouver_df as L on H.host_neighbourhood =L.neighbourhood_cleansed
and H.Host_ID=L.Host_ID
group By H.Host_ID,H.host_acceptance_rate
having H.host_acceptance_rate>80)AA
```

Results Messages

| | (No column name) |
|---|---|
| 1 | 736 |

## Total number of  HOST who are NOT LOCAL to their listing Property and having more than Acceptance Rate of 80

### TORONTO

```
Select count (*) from (
Select H.Host_ID,H.host_acceptance_rate from host_toronto_df as  H
inner join listing_toronto_df as L on H.host_neighbourhood!=L.neighbourhood_cleansed and
H.Host_ID=L.Host_ID
group By H.Host_ID,H.host_acceptance_rate
having H.host_acceptance_rate>80)AA
```

| | (No column name) |
|---|---|
| 1 | 1464 |

### VANCOUVER

```
Select count (*) from (
Select H.Host_ID,H.host_acceptance_rate from host_vancouver_df as  H
inner join listing_vancouver_df as L on H.host_neighbourhood!=L.neighbourhood_cleansed
and H.Host_ID=L.Host_ID
group By H.Host_ID,H.host_acceptance_rate
having H.host_acceptance_rate>80)AA
```

Results Messages

| | (No column name) |
|---|---|
| 1 | 1010 |

# LOCAL HOST vs OUTSIDER HOST REPONSE RATE

## Total number of HOST who are LOCAL to their listing Property and having more than Response rate of 80

### TORONTO

```
Select count (*) from (
Select H.Host_ID,H.host_response_rate from host_toronto_df as  H
inner join listing_toronto_df as L on H.host_neighbourhood =L.neighbourhood_cleansed and
H.Host_ID=L.Host_ID
group By H.Host_ID,H.host_response_rate
having H.host_response_rate>80)AA
```

| | (No column name) |
|---|---|
| 1 | 598 |

### VANCOUVER

```
Select count (*) from (
Select H.Host_ID,H.host_response_rate from host_vancouver_df as  H
inner join listing_vancouver_df as L on H.host_neighbourhood =L.neighbourhood_cleansed
and H.Host_ID=L.Host_ID
group By H.Host_ID,H.host_response_rate
having H.host_response_rate>80)AA
```

| | (No column name) |
|---|---|
| 1 | 813 |

## Total number of HOST who are NOT LOCAL to their listing Property and having more than Response rate of 80

### TORONTO

```
Select count (*) from (
Select H.Host_ID,H.host_response_rate from host_toronto_df as  H
inner join listing_toronto_df as L on H.host_neighbourhood != L.neighbourhood_cleansed
and H.Host_ID=L.Host_ID
group By H.Host_ID,H.host_response_rate
having H.host_response_rate>80)AA
```

| | (No column name) |
|---|---|
| 1 | 1815 |

### VANCOUVER

```
Select count (*) from (
Select H.Host_ID,H.host_response_rate from host_vancouver_df as  H
inner join listing_vancouver_df as L on H.host_neighbourhood != L.neighbourhood_cleansed
and H.Host_ID=L.Host_ID
group By H.Host_ID,H.host_response_rate
having H.host_response_rate>80)AA
```

| | (No column name) |
|---|---|
| 1 | 1090 |

# LOCAL HOST vs OUTSIDER HOST Over IDENTITY VERIFIED

## Total number of HOST who are LOCAL to their listing Property and having IDDENTITY VERIFIED

### TORONTO

```
Select count (*) from (
Select H.Host_ID,H.host_identity_verified from host_toronto_df as  H
inner join listing_toronto_df as L on H.host_neighbourhood =L.neighbourhood_cleansed and
H.Host_ID=L.Host_ID
where H.host_identity_verified ='TRUE'
group By H.Host_ID,H.host_identity_verified)AA;
```

| | (No column name) |
|---|---|
| 1 | 1189 |

### VANCOUVER

```
Select count (*) from (
Select H.Host_ID,H.host_identity_verified from host_vancouver_df as  H
inner join listing_vancouver_df as L on H.host_neighbourhood =L.neighbourhood_cleansed
and H.Host_ID=L.Host_ID
where H.host_identity_verified ='TRUE'
group By H.Host_ID,H.host_identity_verified)AA;
```

| | (No column name) |
|---|---|
| 1 | 1173 |

**Total number of HOST who are NOT LOCAL to their listing Property and having IDENTITY VERIFIED**

**TORONTO**

```
Select count (*) from (
Select H.Host_ID,H.host_identity_verified from host_toronto_df as  H
inner join listing_toronto_df as L on H.host_neighbourhood != L.neighbourhood_cleansed
and H.Host_ID=L.Host_ID
where H.host_identity_verified ='TRUE'
group By H.Host_ID,H.host_identity_verified)AA;
```

| | (No column name) |
|---|---|
| 1 | 3889 |

**VANCOUVER**

```
Select count (*) from (
Select H.Host_ID,H.host_identity_verified from host_vancouver_df as  H
inner join listing_vancouver_df as L on H.host_neighbourhood != L.neighbourhood_cleansed
and H.Host_ID=L.Host_ID
where H.host_identity_verified ='TRUE'
group By H.Host_ID,H.host_identity_verified)AA;
```

| | (No column name) |
|---|---|
| 1 | 1380 |

----------END----------