NYC\_AIRBNB 2019 REPORT ANALYSIS SQL

SELECT

\*

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

ORDER BY

  id;

SELECT

  neighbourhood\_group,

  COUNT ( DISTINCT host\_name ) AS Count\_of\_host\_name

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  neighbourhood\_group

ORDER BY

  Count\_of\_host\_name ASC

SELECT

  neighbourhood,

  COUNT ( DISTINCT host\_name ) AS Count\_of\_host\_name

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  neighbourhood

ORDER BY

  Count\_of\_host\_name DESC

SELECT

  neighbourhood\_group,

  CONCAT('$', CAST(SUM(price) AS STRING)) AS Total\_price\_by\_each\_neighbourhood\_group

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  neighbourhood\_group

ORDER BY

  Total\_price\_by\_each\_neighbourhood\_group

SELECT

  neighbourhood\_group,

  SUM ( number\_of\_reviews ) AS Total\_reviews\_per\_neighbourhood

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  neighbourhood\_group

ORDER BY

  Total\_reviews\_per\_neighbourhood DESC

SELECT

  host\_name,

  COUNT(calculated\_host\_listings\_count) AS listing\_count

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  host\_name

ORDER BY

  listing\_count DESC

LIMIT 10;

SELECT

  host\_name,

  room\_type,

  COUNT(calculated\_host\_listings\_count) AS listing\_count,

  COUNT(minimum\_nights) AS number\_of\_nights\_stayed\_per\_host

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  host\_name,

  room\_type

ORDER BY

  listing\_count DESC

LIMIT 10;

SELECT

  neighbourhood\_group,

  room\_type,

  COUNT(room\_type) AS Diff\_room\_types\_booked\_total

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  neighbourhood\_group,

  room\_type

ORDER BY

  neighbourhood\_group DESC

SELECT

  neighbourhood,

  room\_type,

  COUNT(room\_type) AS Diff\_room\_types\_booked\_total

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  neighbourhood,

  room\_type

ORDER BY

  neighbourhood ASC

SELECT

  neighbourhood,

  SUM(price) AS Price\_earned\_per\_neighbourhood

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  neighbourhood

ORDER BY

  Price\_earned\_per\_neighbourhood DESC

LIMIT 10;

SELECT

  neighbourhood,

  SUM(number\_of\_reviews) AS Reviews\_per\_neighbourhood

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  neighbourhood

ORDER BY

  Reviews\_per\_neighbourhood DESC

LIMIT 10;

SELECT

  neighbourhood\_group,

  SUM(reviews\_per\_month) AS Reviews\_per\_month\_neighbourhood\_group

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  neighbourhood\_group

ORDER BY

  Reviews\_per\_month\_neighbourhood\_group DESC

SELECT

  neighbourhood,

  SUM(reviews\_per\_month) AS Reviews\_per\_month\_neighbourhood

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  neighbourhood

ORDER BY

  Reviews\_per\_month\_neighbourhood DESC

LIMIT 10;

SELECT

  room\_type,

  SUM(price) AS Total\_price\_earned\_per\_room\_type

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  room\_type

ORDER BY

  Total\_price\_earned\_per\_room\_type DESC

SELECT

  room\_type,

  AVG(availability\_365) AS Average\_days\_of\_room\_type\_available

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  room\_type

ORDER BY

  Average\_days\_of\_room\_type\_available DESC

SELECT

  neighbourhood,

  SUM(availability\_365) AS sum\_of\_availability\_of\_rooms\_in\_neighbourhood

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  neighbourhood

ORDER BY

  sum\_of\_availability\_of\_rooms\_in\_neighbourhood DESC

LIMIT 10;

SELECT

  neighbourhood,

  SUM(calculated\_host\_listings\_count) AS total\_listing\_per\_neigbourhood

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  neighbourhood

ORDER BY

  total\_listing\_per\_neigbourhood DESC

LIMIT 10;

SELECT

  neighbourhood,

  SUM(minimum\_nights) AS total\_nights\_host\_stayed\_per\_neighbourhood

FROM

  `newproject-377218.NYC\_AB.NYC\_ab`

GROUP BY

  neighbourhood

ORDER BY

  total\_nights\_host\_stayed\_per\_neighbourhood DESC

LIMIT 10;