**Query 1: Top 5 neighborhoods with maximum listings**

SELECT neighbourhood, COUNT(\*) AS num\_listings FROM warehouse\_table GROUP BY neighbourhood

ORDER BY num\_listings DESC LIMIT 5;

Inference:

The top 5 neighborhoods with the maximum number of listings in the dataset are as follows:

Williamsburg: 3920 listings

Bedford-Stuyvesant: 3714 listings

Harlem: 2658 listings

Bushwick: 2465 listings

Upper West Side: 1971 listings

This information provides insights into the popularity and concentration of Airbnb listings in different neighborhoods.

**Query 2: Name of person with the second maximum number of listings**

SELECT host\_name, COUNT(DISTINCT id) AS num\_listings FROM warehouse\_table GROUP BY host\_name

ORDER BY num\_listings DESC LIMIT 1 OFFSET 1;

Inference:

The person with the second maximum number of listings is "David," who has 403 listings. This information is valuable for identifying significant hosts in the dataset and understanding the distribution of listings among different hosts.

**Query 3: Number of room type listings for every neighborhood**

SELECT neighbourhood, room\_type, COUNT(\*) AS num\_listings FROM warehouse\_table GROUP BY neighbourhood, room\_type ORDER BY neighbourhood, num\_listings DESC;

Inference:

The result provides a detailed breakdown of the number of listings for each combination of neighborhood and room type. This information is useful for understanding the diversity of accommodation options in different neighborhoods. For example, it shows the count of private rooms, entire home/apartments, and shared rooms in various neighborhoods.

A map of the united states

Description automatically generatedA graph of different types of objects

Description automatically generated with medium confidence

A graph of a bar chart

Description automatically generated with medium confidence

A graph showing a number of people

Description automatically generated with medium confidence