Data Visualization of Airbnb

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ABOUT DATA

Airbnb Open Data

from Kaggle

House Rules

A set of rules or expectations set by the host for the behavior of guests inside the house.

Neighbourhood Group

The location of the house is mainly in New York City. The dataset includes the counties of Bronx, Brooklyn, Manhattan, Queens, and Staten Island.

Price

Daily price in local currency. Here is USD.

lat & long

Uses the World Geodetic System(WGS84) projection for latitude and longitude
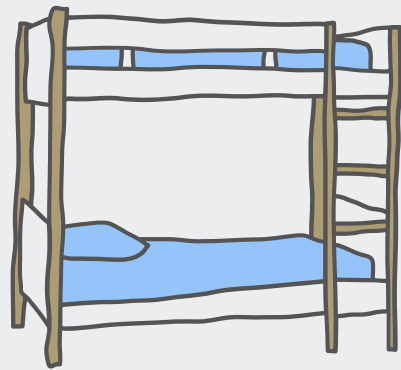
Room Type

Types of rooms. There are entire homes, hotel rooms, private rooms, and shared rooms.
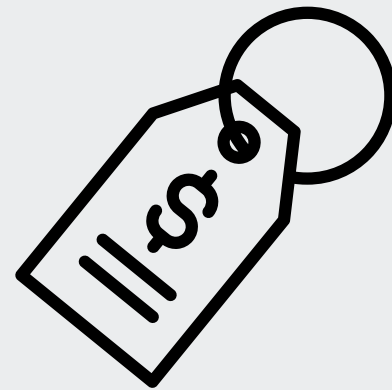
Research Questions

What is the number of listings w.r.t neighbourhood?

What are the prices according to room type?

Where are the Airbnb listings mostly located?

What are the most common Airbnb house rules?

Bar plots

Number of Listings per Neighbourhood

- Highest average price is of the hotel room
- Least is for the private room
- ranges are from $524 - $575

Average Price by Room Type
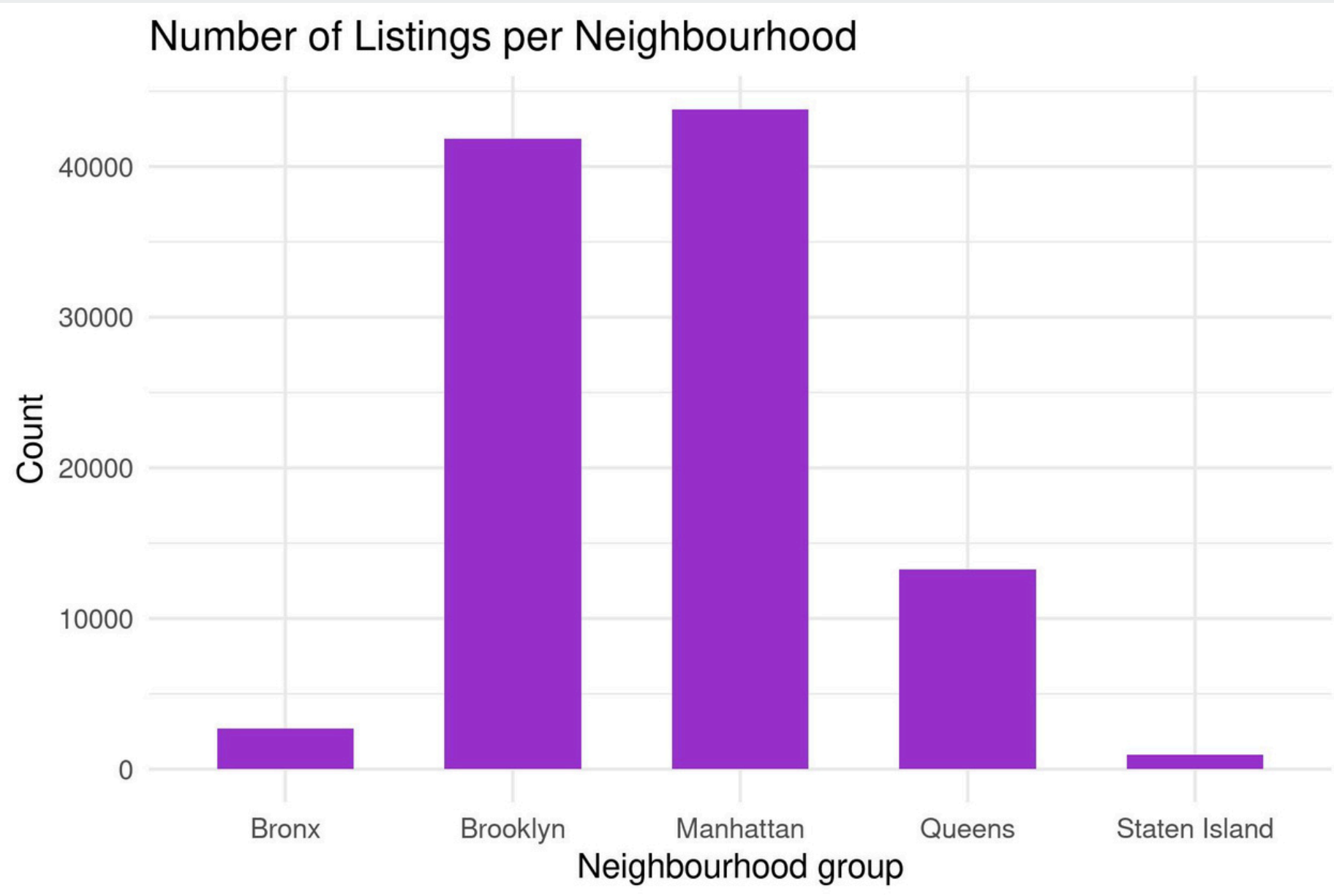
- Most number of airbnbs in Manhattan of 43806.
- Least in Staten Island i.e. 955

Heat Map

Prices by Room Type & Neighborhood
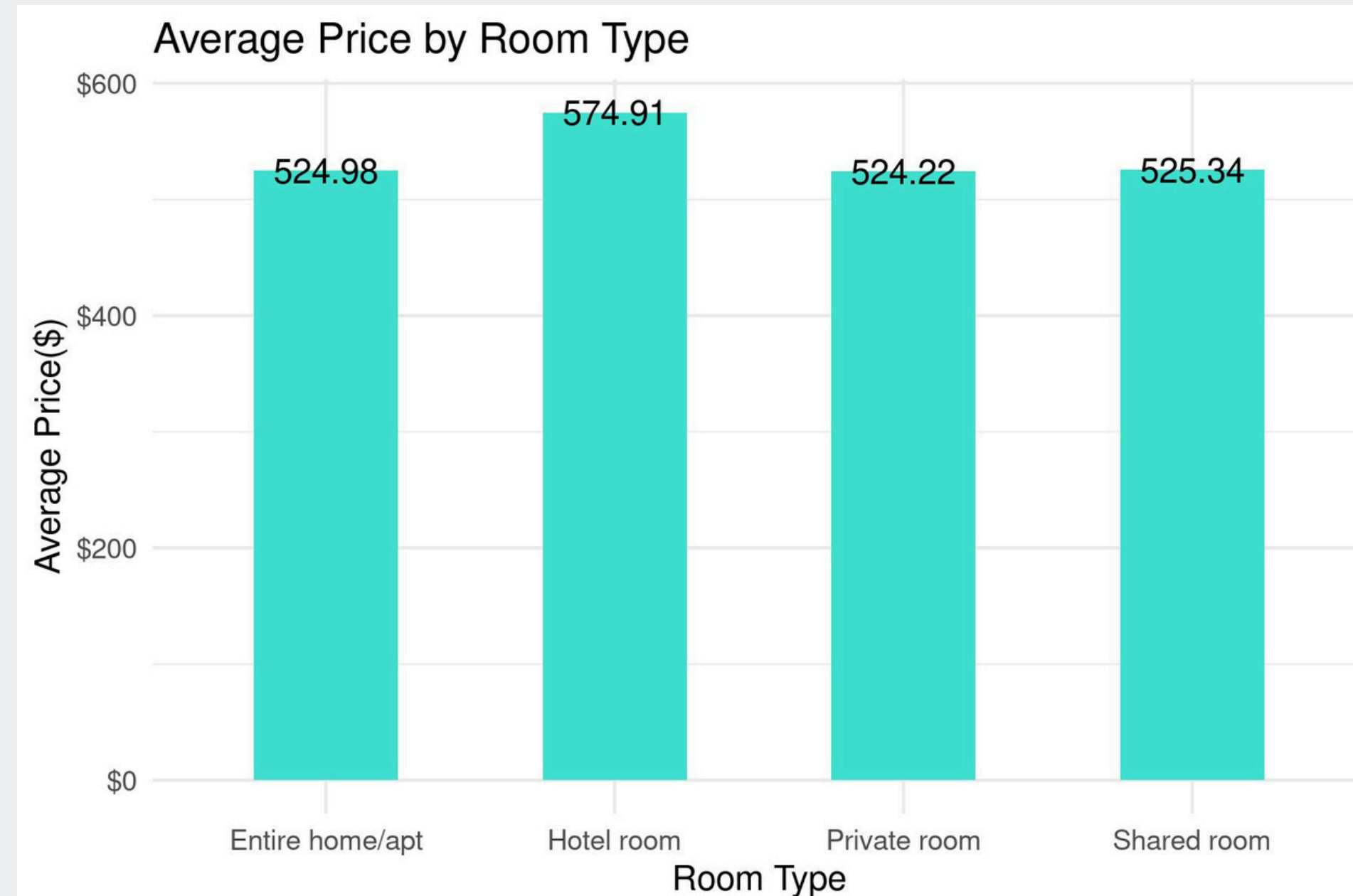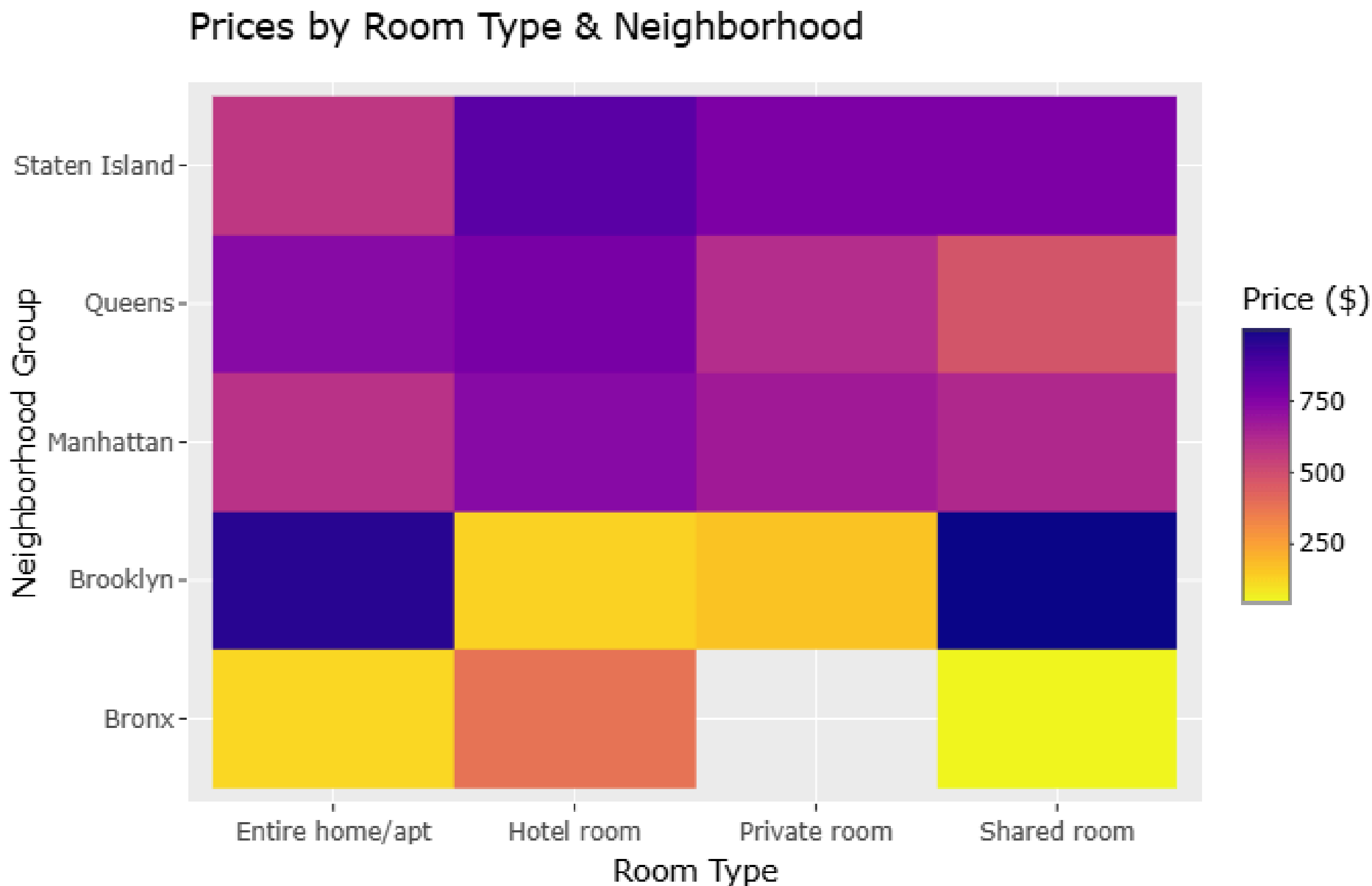
- Bronx has lowest prices for all types of rooms
- Brooklyn has low prices for hotel and private room around $300 but highest for home and shared room i.e. around $800
- Staten Island, Queens and Manhattan have pretty much similar prices for all types of rooms which is around $450-$800

Map

Airbnb House Map

Location

Bronx, Manhattan, Brooklyn, Queens, Staten Island

Price

Prices overall are approximately the same for each neighborhood. It is around $520 to $530. Bronx and Staten Island are slightly higher than the others.

Number of listings

Brooklyn and Manhattan have the highest number of listed houses. Staten Island has the lowest number of listes houses.
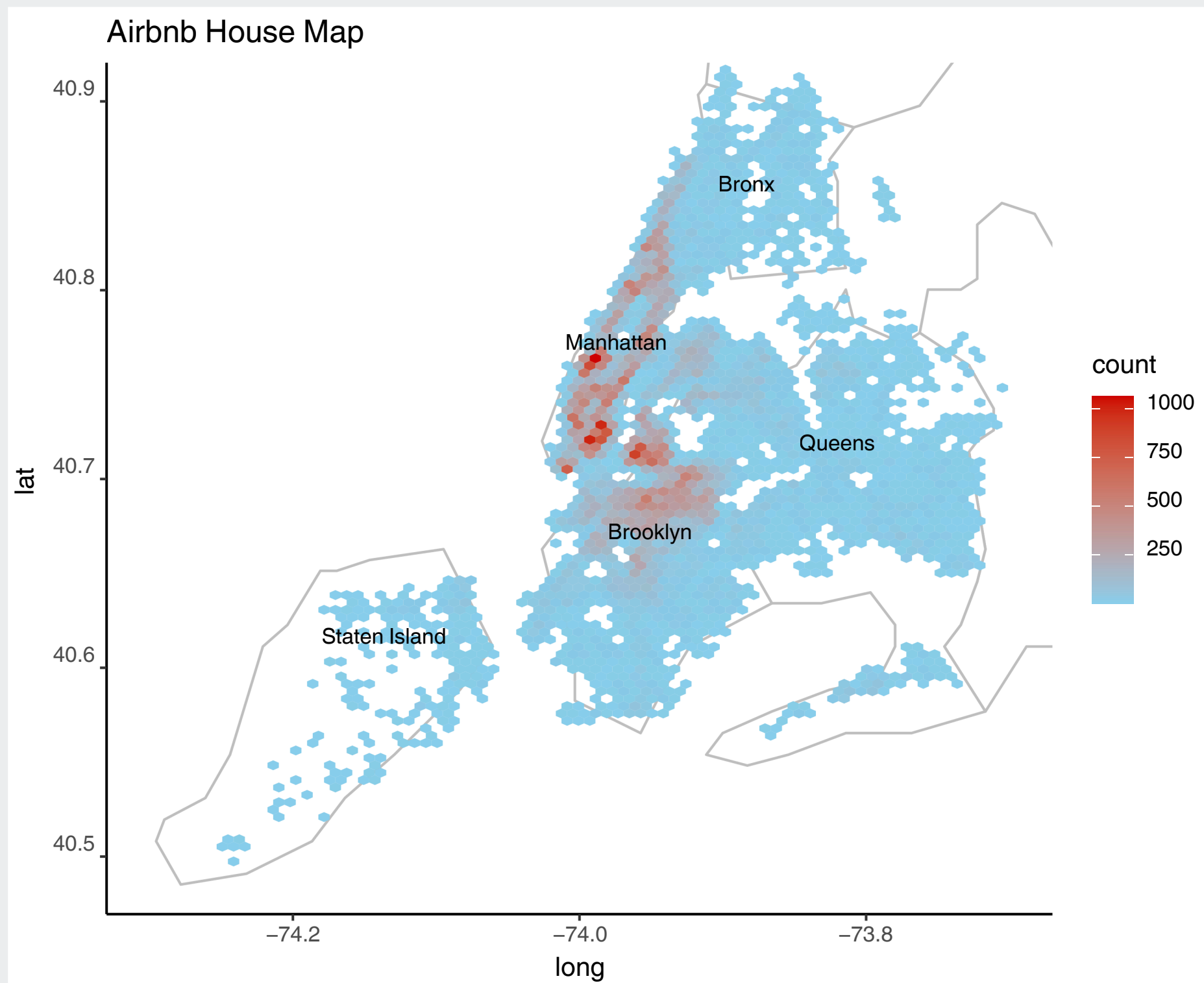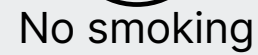
Word Cloud

No smoking

No pets

Be respectful

No parties

no smoking

the building the house

no pets

the apartment

check in

check out

no parties

smoking no

the property

berespectful

no shoes

please treat

parties no

found it

the neighbors

time but

the premises

the bathroom

apartment occupancy

my home all bookings

are allowed

rules apartment

don't allow

building rules

absolutely no

pets and

please respect

leave the

guests to

the unit

remember that

please remember

for security

the sink

guests are

pets no

we don't

local time

home and

after 10

our neighbors

no loud

and check

building the

happy to

require a

please leave

house rules

no parties

allowed in

clean and

your shoes

allow pets

youleave

yearround

smoking or

pets are

all guests

respectful of

quiet hours

4pm

round tenants

clean up

ourhome

no drugs

a quiet

security deposit

time if

unit is

loudmusic

the property

time is staying in

significant fees

smoking allowed your stay

parties or

agree to

parties and

other guests

inside the be respected

smokingin

thekitchen

a residential

to check

you found

a cleaning

pets in

occupancy restrictions

11am

notallowed

residential building

smoking is

free to

smokingplease

after 10pm

restrictionsand

tenantsmust

excessive noise

to provide

smoking inside

in time

please clean

any circumstances

smoking on

this rule

pets allowed

THANK YOU