

# Airbnb Listings in NYC, 2019

By Adesh Gadge, IST 719 Information Visualization, Syracuse University

Email: amgadge@syr.edu

## Story

Since 2008, guests and hosts have used Airbnb to expand on traveling possibilities and present a more unique, personalized way of experiencing the world. Today, Airbnb became one of a kind service that is used and recognized by the whole world. This study is going to show you distribution of price, location, other features such as type, name distributions of Airbnb listings in New York City

## Data Description

48895 Listings 37457 Hosts Aug 2019

Summary information and metrics for listings in New York City for 2019 (updated in Aug). The dataset includes 16 columns and 48895 observations. This data file includes all needed information to find out more about hosts, geographical availability.

## Audience

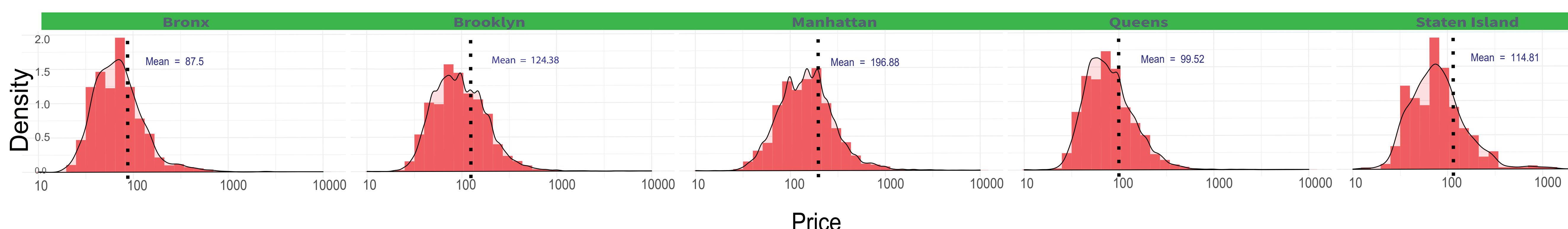
(1) People who are interested or planning to visit New York City and use Airbnb

(2) People who work at Airbnb and want to study what is distribution of Airbnb listing across NYC.

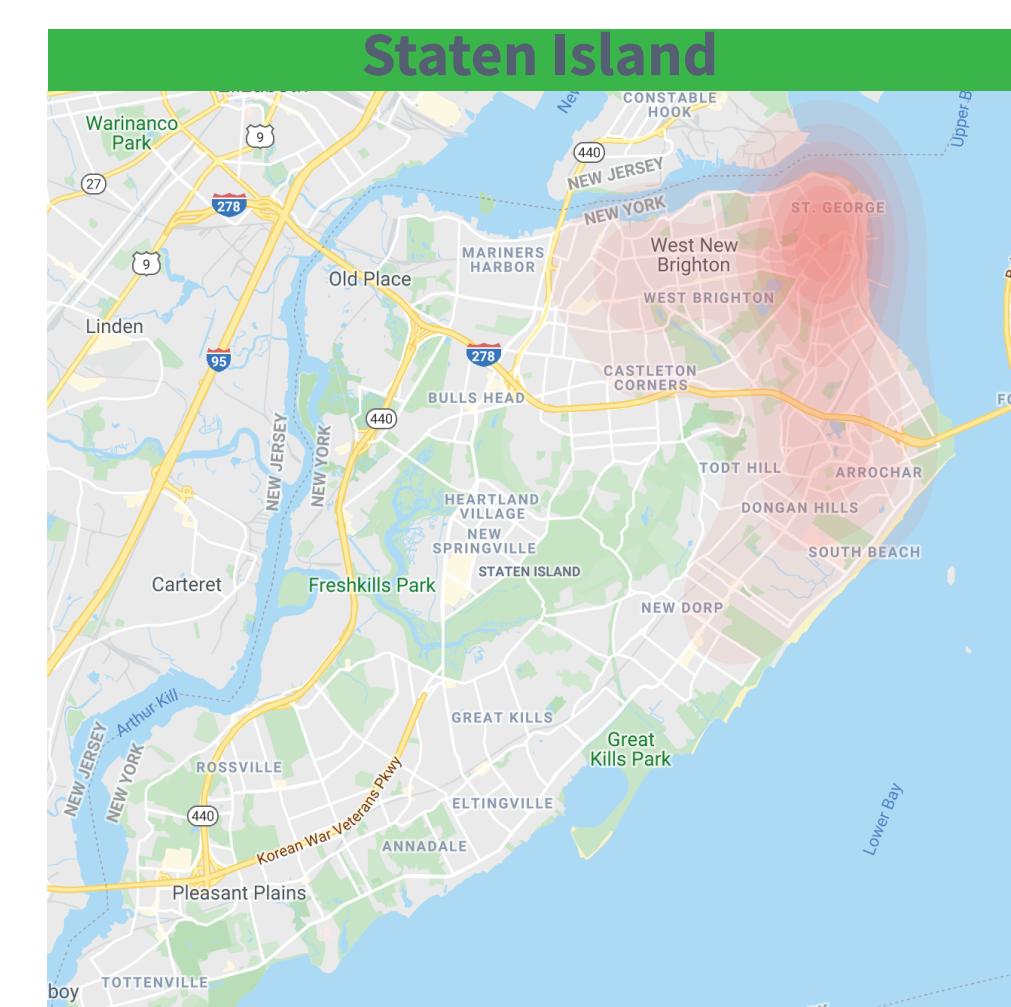
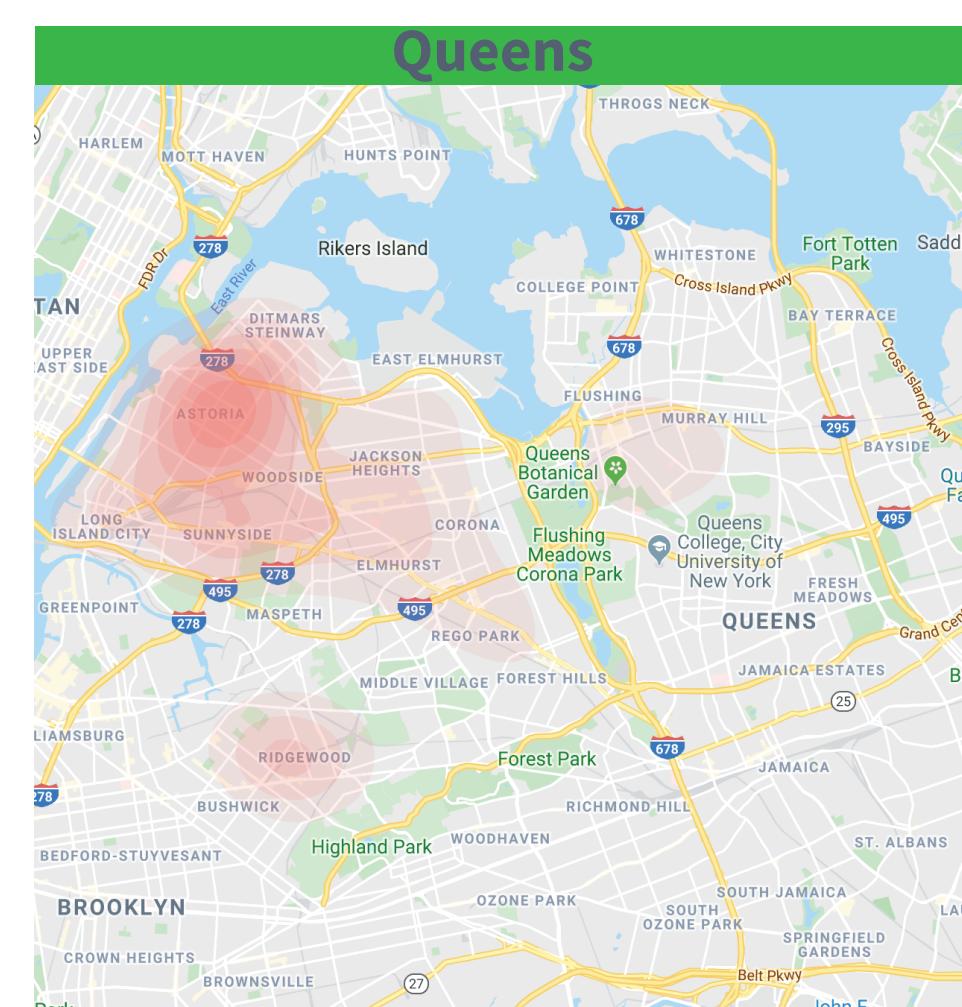
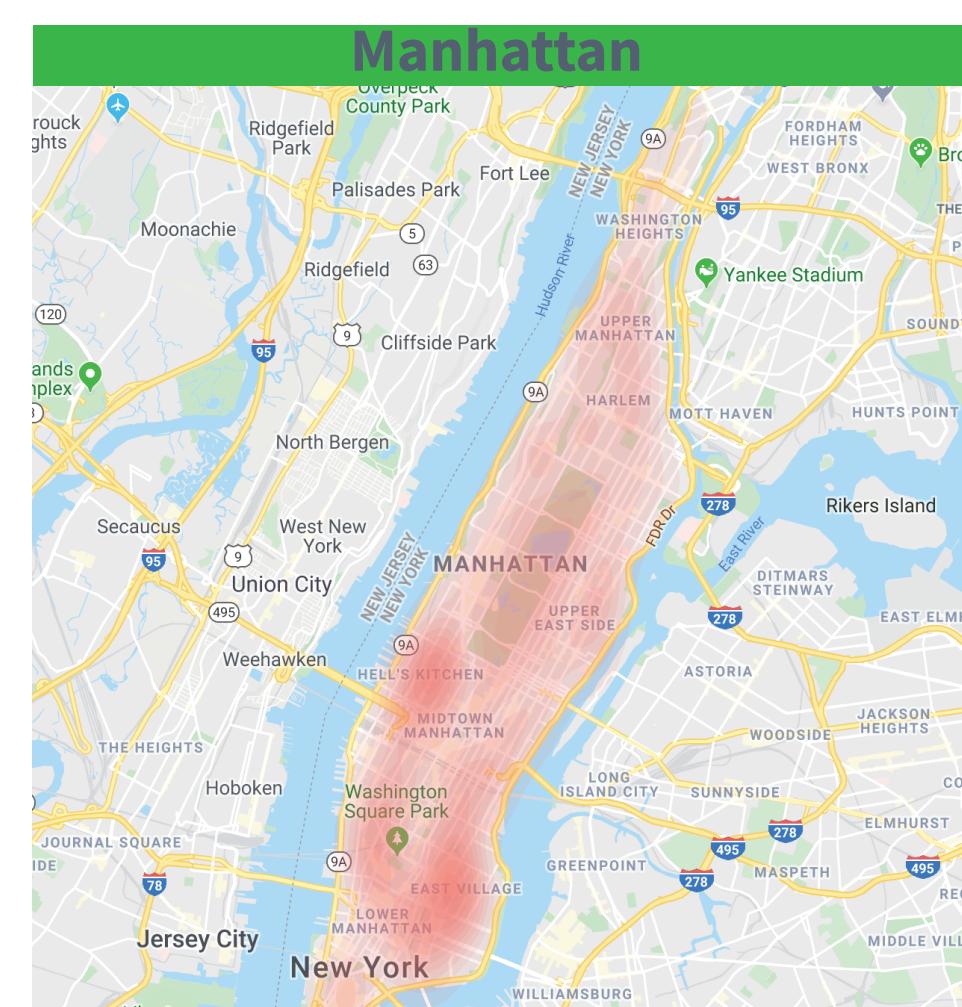
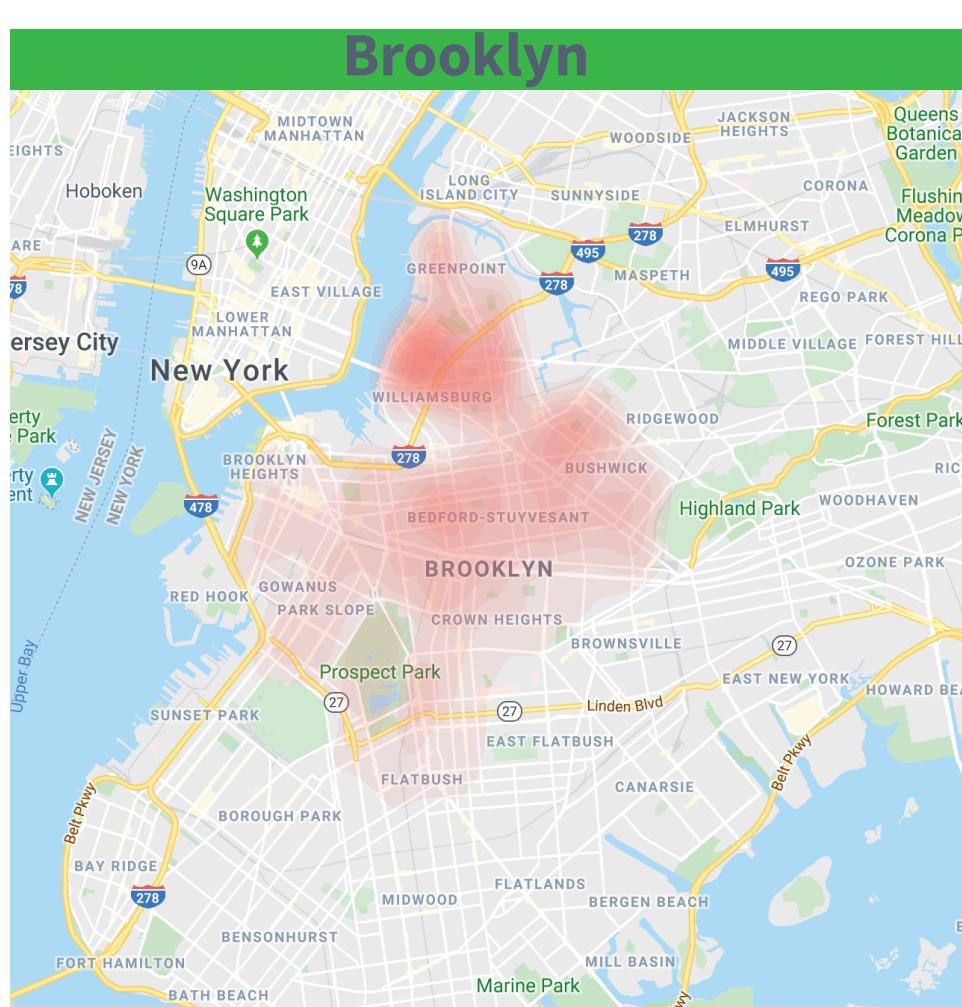
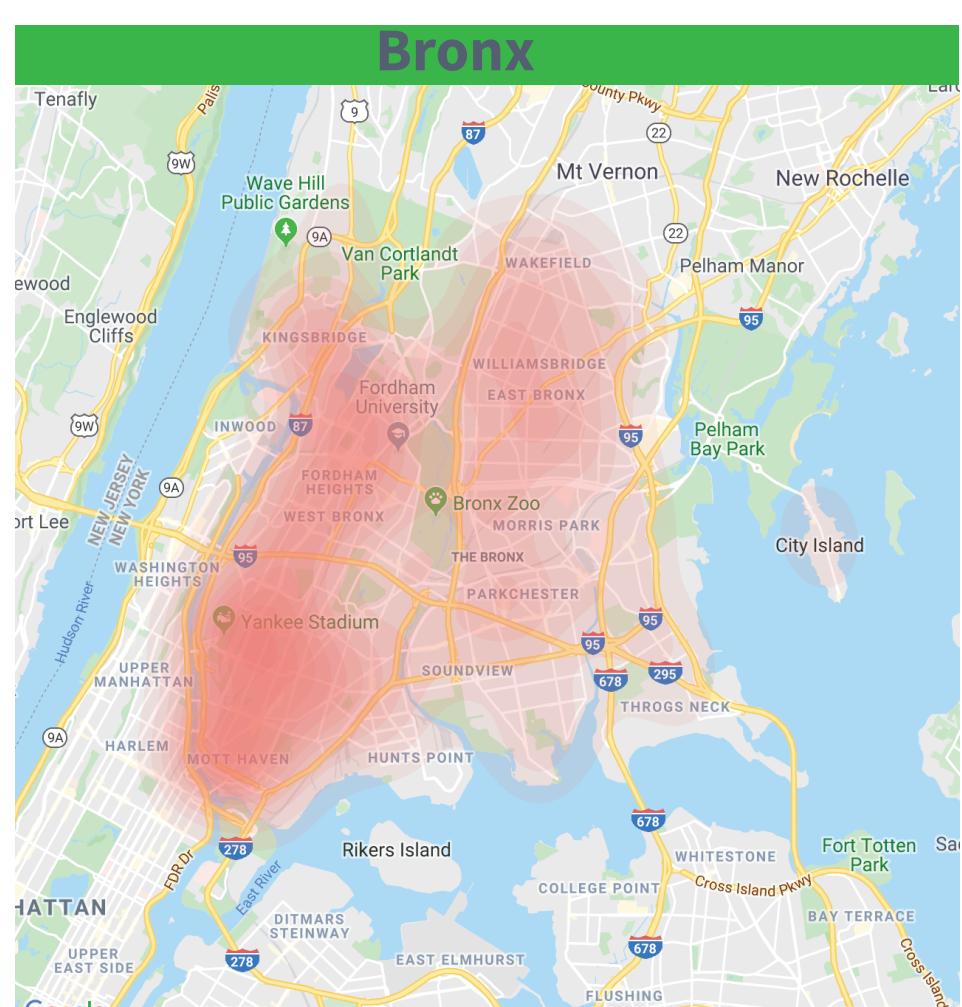
## How expensive are they?

Transformed distribution of price by neighbourhood group

With  $\log_{10}$  transformation of x-axis

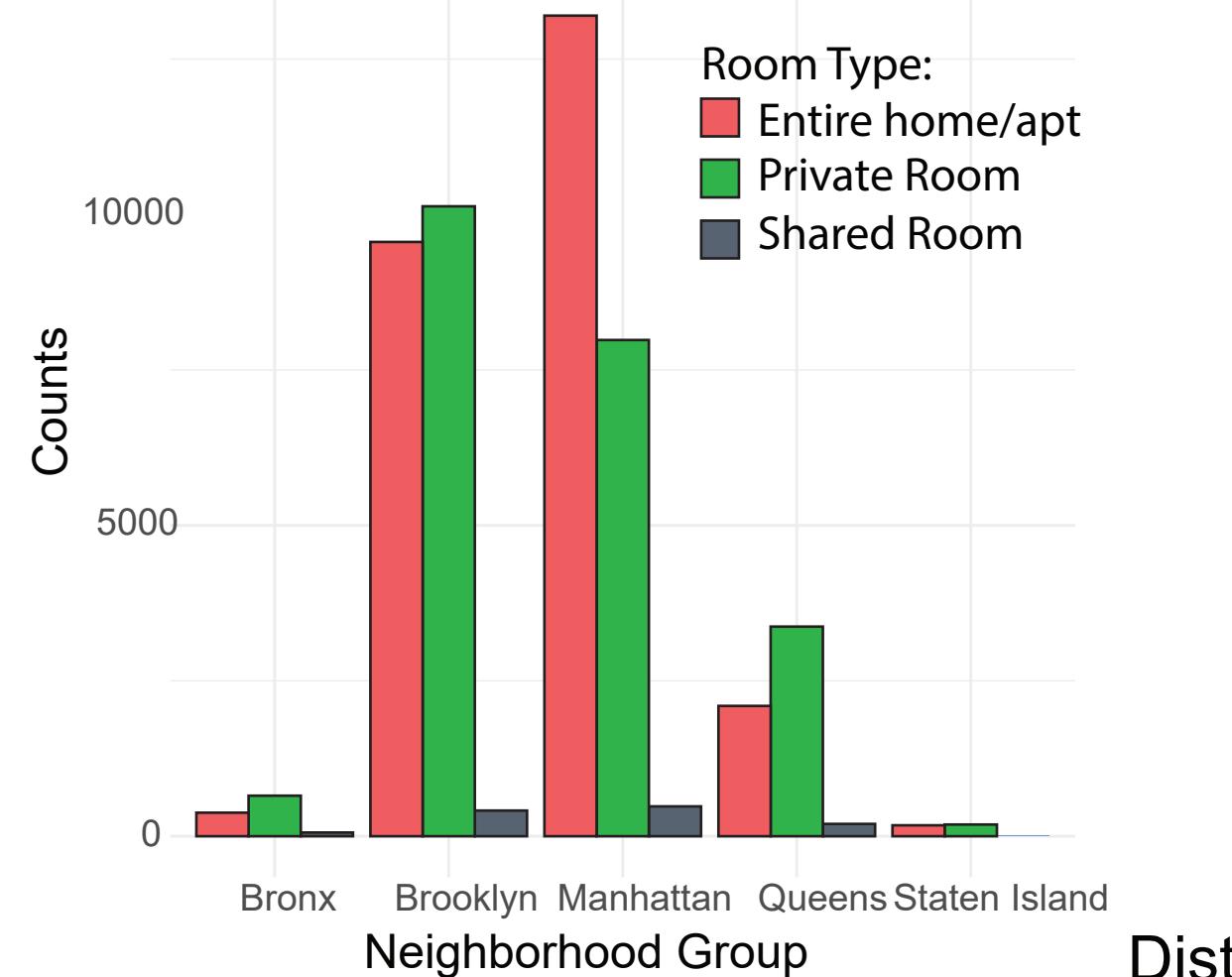


## Where are they?



## What are they?

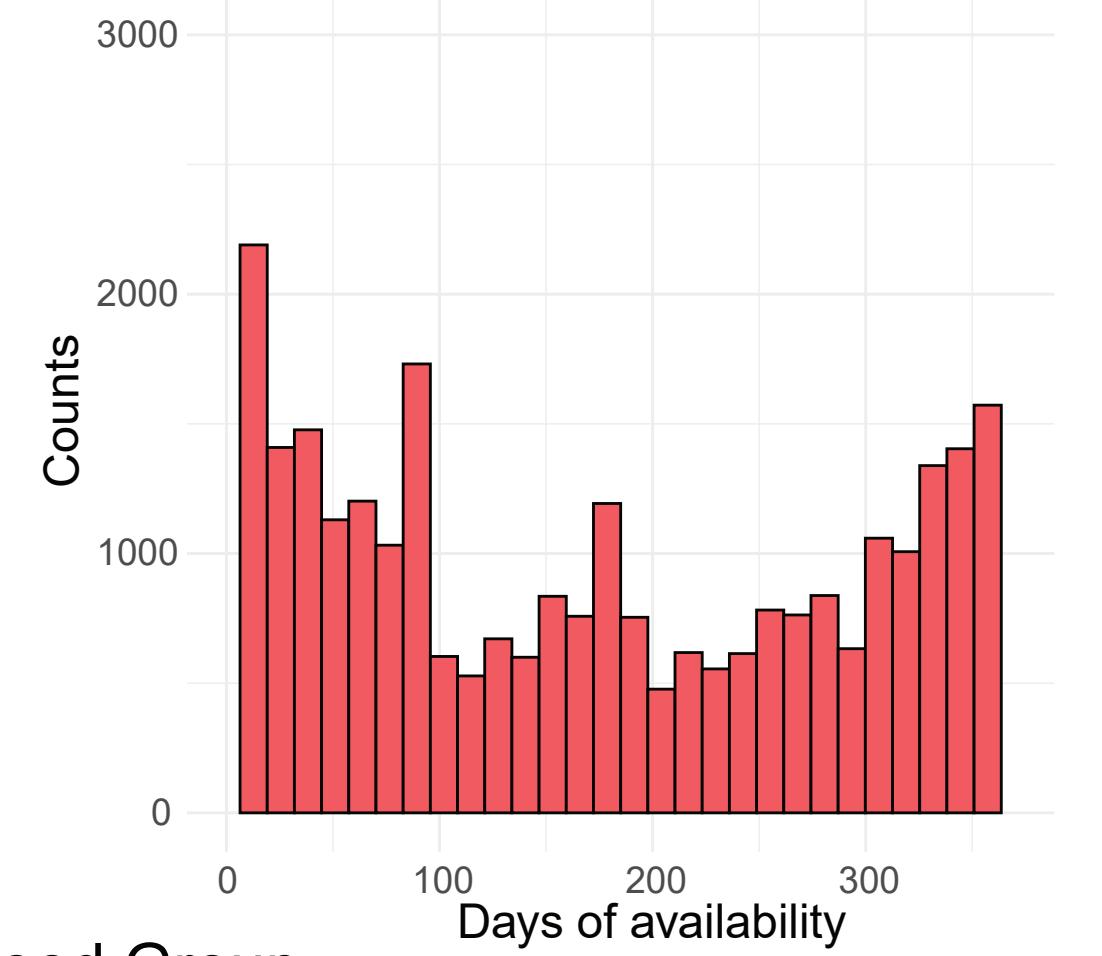
Room Type Count By Neighbourhood Group



Wordcloud of adjectives in the Listing Name

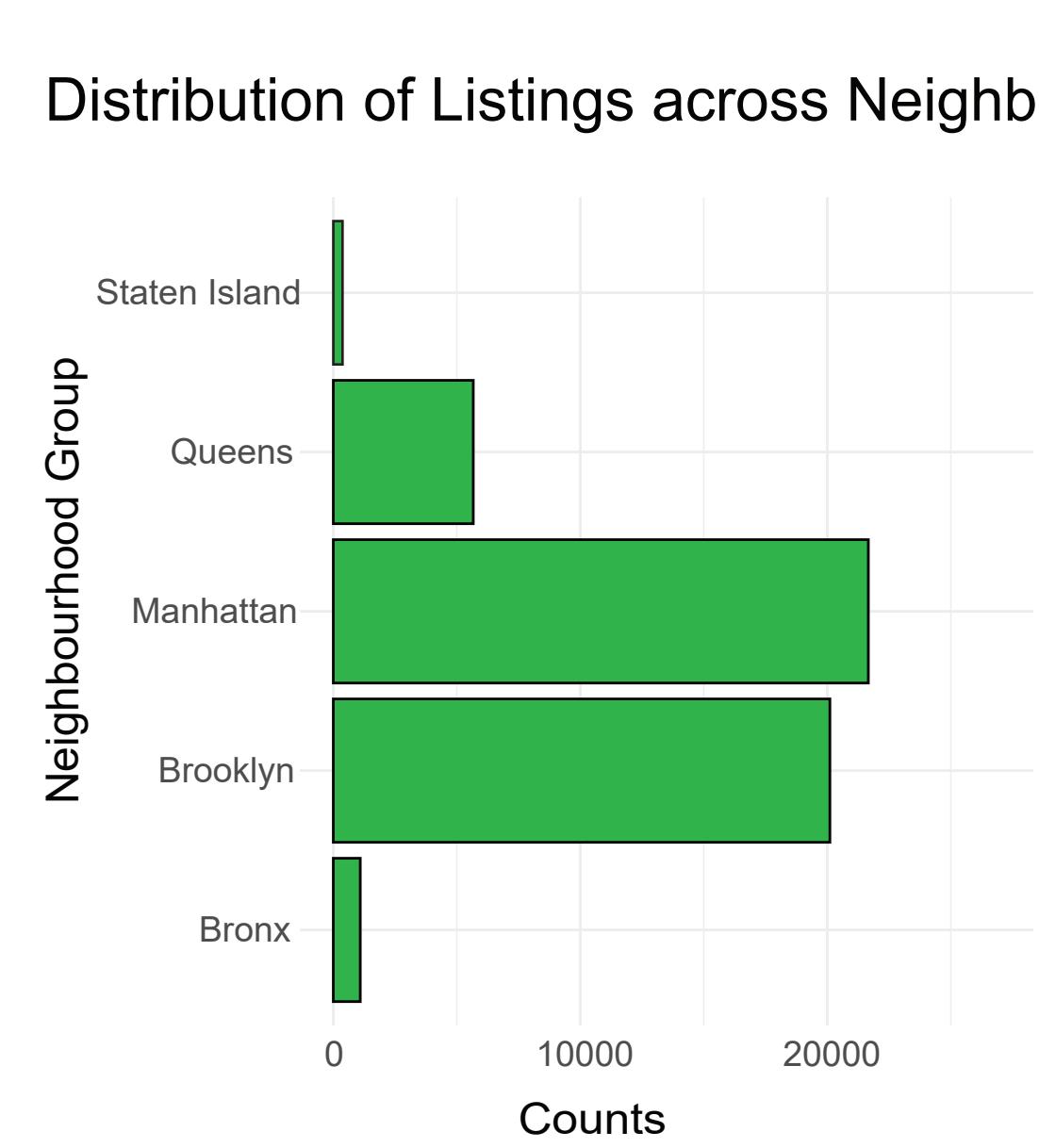
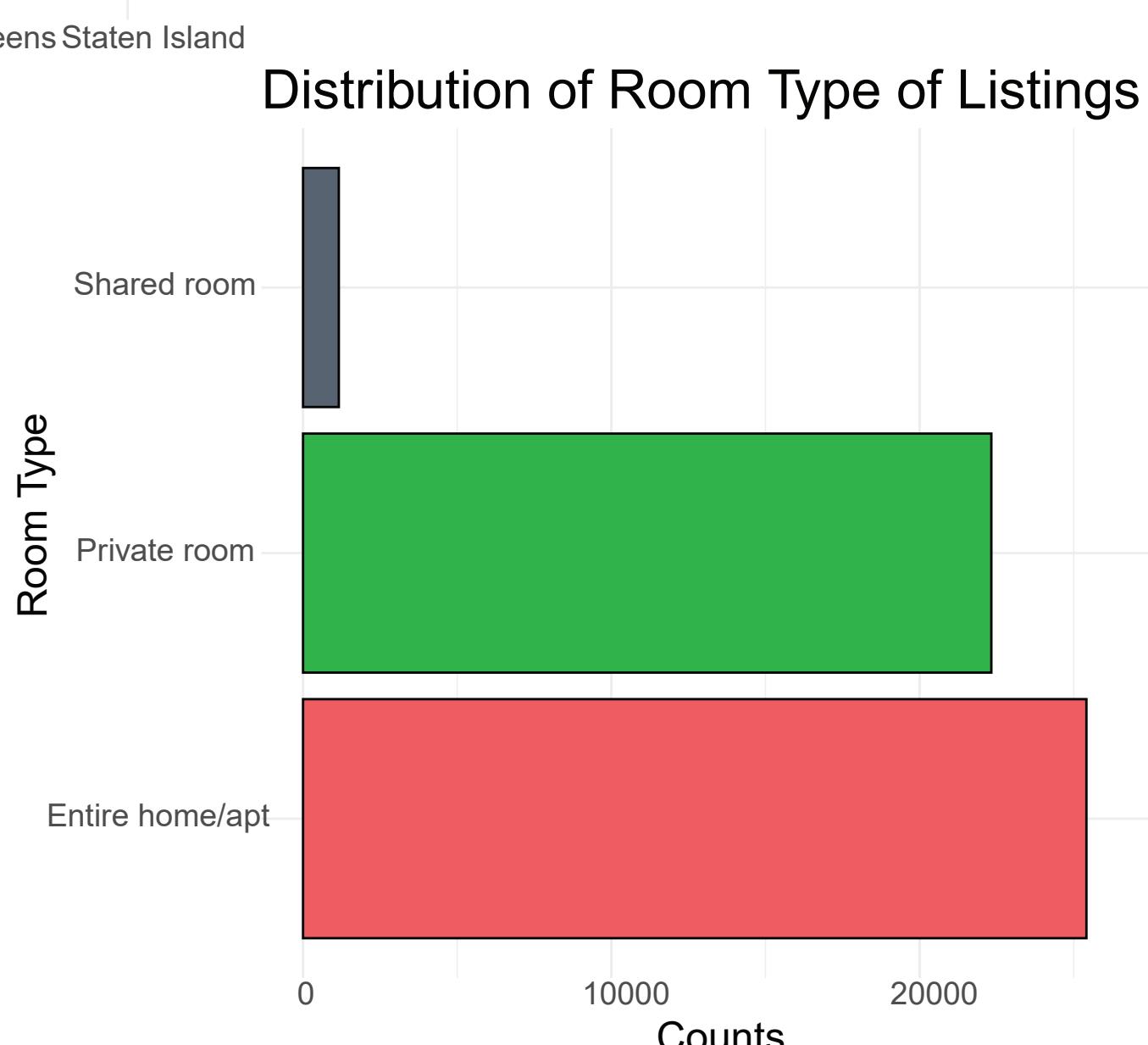


Distribution of Days of availability for listings



## Packages:

RColorBrewer, dplyr, ggplot2, ggthemes, ggmap, gridExtra, tm, wordcloud2



## Data sources:

(1) Data: <https://www.kaggle.com/dgomonov/new-york-city-airbnb-open-data>

(2) Adjectives: <https://gist.github.com/hugsy/8910dc78d208e40de42deb29e62df913>