NYC AIRBNB ANALYSIS RMD

Malay Raj

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## NYC AIRBNB 2019 ANALYSIS:

Since 2008, guests and hosts have used Airbnb to expand on traveling possibilities and present more unique, personalized way of experiencing the world. This dataset describes the listing activity and metrics in NYC, NY for 2019.

## Loading Required Packages.

library(tidyverse)

## Warning: package 'tidyverse' was built under R version 4.2.3

## Warning: package 'ggplot2' was built under R version 4.2.3

## ── Attaching core tidyverse packages ──────────────────────── tidyverse 2.0.0 ──  
## ✔ dplyr 1.1.0 ✔ readr 2.1.4  
## ✔ forcats 1.0.0 ✔ stringr 1.5.0  
## ✔ ggplot2 3.4.2 ✔ tibble 3.1.8  
## ✔ lubridate 1.9.2 ✔ tidyr 1.3.0  
## ✔ purrr 1.0.1   
## ── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
## ✖ dplyr::filter() masks stats::filter()  
## ✖ dplyr::lag() masks stats::lag()  
## ℹ Use the ]8;;http://conflicted.r-lib.org/conflicted package]8;; to force all conflicts to become errors

library(janitor)

## Warning: package 'janitor' was built under R version 4.2.3

##   
## Attaching package: 'janitor'  
##   
## The following objects are masked from 'package:stats':  
##   
## chisq.test, fisher.test

library(dplyr)  
library(ggplot2)  
library(skimr)

## Warning: package 'skimr' was built under R version 4.2.3

library(plyr)

## ------------------------------------------------------------------------------  
## You have loaded plyr after dplyr - this is likely to cause problems.  
## If you need functions from both plyr and dplyr, please load plyr first, then dplyr:  
## library(plyr); library(dplyr)  
## ------------------------------------------------------------------------------  
##   
## Attaching package: 'plyr'  
##   
## The following objects are masked from 'package:dplyr':  
##   
## arrange, count, desc, failwith, id, mutate, rename, summarise,  
## summarize  
##   
## The following object is masked from 'package:purrr':  
##   
## compact

library(lubridate)  
library(scales)

##   
## Attaching package: 'scales'  
##   
## The following object is masked from 'package:purrr':  
##   
## discard  
##   
## The following object is masked from 'package:readr':  
##   
## col\_factor

## Displaying my current working directory.

getwd()

## [1] "C:/New York City Airbnb Analysis"

## Collecting the data.

Airbnb = read.csv("C:/New York City Airbnb Analysis/AB\_NYC\_2019.csv")

## Displaying the first six rows of the dataset.

head(Airbnb)

## id name host\_id host\_name  
## 1 2539 Clean & quiet apt home by the park 2787 John  
## 2 2595 Skylit Midtown Castle 2845 Jennifer  
## 3 3647 THE VILLAGE OF HARLEM....NEW YORK ! 4632 Elisabeth  
## 4 3831 Cozy Entire Floor of Brownstone 4869 LisaRoxanne  
## 5 5022 Entire Apt: Spacious Studio/Loft by central park 7192 Laura  
## 6 5099 Large Cozy 1 BR Apartment In Midtown East 7322 Chris  
## neighbourhood\_group neighbourhood latitude longitude room\_type price  
## 1 Brooklyn Kensington 40.64749 -73.97237 Private room 149  
## 2 Manhattan Midtown 40.75362 -73.98377 Entire home/apt 225  
## 3 Manhattan Harlem 40.80902 -73.94190 Private room 150  
## 4 Brooklyn Clinton Hill 40.68514 -73.95976 Entire home/apt 89  
## 5 Manhattan East Harlem 40.79851 -73.94399 Entire home/apt 80  
## 6 Manhattan Murray Hill 40.74767 -73.97500 Entire home/apt 200  
## minimum\_nights number\_of\_reviews last\_review reviews\_per\_month  
## 1 1 9 2018-10-19 0.21  
## 2 1 45 2019-05-21 0.38  
## 3 3 0 NA  
## 4 1 270 2019-07-05 4.64  
## 5 10 9 2018-11-19 0.10  
## 6 3 74 2019-06-22 0.59  
## calculated\_host\_listings\_count availability\_365  
## 1 6 365  
## 2 2 355  
## 3 1 365  
## 4 1 194  
## 5 1 0  
## 6 1 129

## Checking the number of rows and dimension of the dataset.

dim(Airbnb)

## [1] 48895 16

nrow(Airbnb)

## [1] 48895

## Displaying the column names of our dataframe.

colnames(Airbnb)

## [1] "id" "name"   
## [3] "host\_id" "host\_name"   
## [5] "neighbourhood\_group" "neighbourhood"   
## [7] "latitude" "longitude"   
## [9] "room\_type" "price"   
## [11] "minimum\_nights" "number\_of\_reviews"   
## [13] "last\_review" "reviews\_per\_month"   
## [15] "calculated\_host\_listings\_count" "availability\_365"

## Inspecting the dataframe and look for inconguencies.

str(Airbnb)

## 'data.frame': 48895 obs. of 16 variables:  
## $ id : int 2539 2595 3647 3831 5022 5099 5121 5178 5203 5238 ...  
## $ name : chr "Clean & quiet apt home by the park" "Skylit Midtown Castle" "THE VILLAGE OF HARLEM....NEW YORK !" "Cozy Entire Floor of Brownstone" ...  
## $ host\_id : int 2787 2845 4632 4869 7192 7322 7356 8967 7490 7549 ...  
## $ host\_name : chr "John" "Jennifer" "Elisabeth" "LisaRoxanne" ...  
## $ neighbourhood\_group : chr "Brooklyn" "Manhattan" "Manhattan" "Brooklyn" ...  
## $ neighbourhood : chr "Kensington" "Midtown" "Harlem" "Clinton Hill" ...  
## $ latitude : num 40.6 40.8 40.8 40.7 40.8 ...  
## $ longitude : num -74 -74 -73.9 -74 -73.9 ...  
## $ room\_type : chr "Private room" "Entire home/apt" "Private room" "Entire home/apt" ...  
## $ price : int 149 225 150 89 80 200 60 79 79 150 ...  
## $ minimum\_nights : int 1 1 3 1 10 3 45 2 2 1 ...  
## $ number\_of\_reviews : int 9 45 0 270 9 74 49 430 118 160 ...  
## $ last\_review : chr "2018-10-19" "2019-05-21" "" "2019-07-05" ...  
## $ reviews\_per\_month : num 0.21 0.38 NA 4.64 0.1 0.59 0.4 3.47 0.99 1.33 ...  
## $ calculated\_host\_listings\_count: int 6 2 1 1 1 1 1 1 1 4 ...  
## $ availability\_365 : int 365 355 365 194 0 129 0 220 0 188 ...

## Changing the datatype of last\_review to date.

Airbnb$last\_review <- as.Date(Airbnb$last\_review)

## Checking if it’s changed or not.

str(Airbnb)

## 'data.frame': 48895 obs. of 16 variables:  
## $ id : int 2539 2595 3647 3831 5022 5099 5121 5178 5203 5238 ...  
## $ name : chr "Clean & quiet apt home by the park" "Skylit Midtown Castle" "THE VILLAGE OF HARLEM....NEW YORK !" "Cozy Entire Floor of Brownstone" ...  
## $ host\_id : int 2787 2845 4632 4869 7192 7322 7356 8967 7490 7549 ...  
## $ host\_name : chr "John" "Jennifer" "Elisabeth" "LisaRoxanne" ...  
## $ neighbourhood\_group : chr "Brooklyn" "Manhattan" "Manhattan" "Brooklyn" ...  
## $ neighbourhood : chr "Kensington" "Midtown" "Harlem" "Clinton Hill" ...  
## $ latitude : num 40.6 40.8 40.8 40.7 40.8 ...  
## $ longitude : num -74 -74 -73.9 -74 -73.9 ...  
## $ room\_type : chr "Private room" "Entire home/apt" "Private room" "Entire home/apt" ...  
## $ price : int 149 225 150 89 80 200 60 79 79 150 ...  
## $ minimum\_nights : int 1 1 3 1 10 3 45 2 2 1 ...  
## $ number\_of\_reviews : int 9 45 0 270 9 74 49 430 118 160 ...  
## $ last\_review : Date, format: "2018-10-19" "2019-05-21" ...  
## $ reviews\_per\_month : num 0.21 0.38 NA 4.64 0.1 0.59 0.4 3.47 0.99 1.33 ...  
## $ calculated\_host\_listings\_count: int 6 2 1 1 1 1 1 1 1 4 ...  
## $ availability\_365 : int 365 355 365 194 0 129 0 220 0 188 ...

## Checking for null values in our dataset.

null\_sum <- colSums(is.na(Airbnb))  
  
null\_sum

## id name   
## 0 0   
## host\_id host\_name   
## 0 0   
## neighbourhood\_group neighbourhood   
## 0 0   
## latitude longitude   
## 0 0   
## room\_type price   
## 0 0   
## minimum\_nights number\_of\_reviews   
## 0 0   
## last\_review reviews\_per\_month   
## 10052 10052   
## calculated\_host\_listings\_count availability\_365   
## 0 0

As we can see there are 10052 NA values in last\_review and reviews\_per\_month so, we can’t drop the column review\_per\_month so we will only drop last\_review because we don’t need it in our analysis.

## Removing the columns id, host\_id and last\_review because we don’t need it in our analysis.

Airbnb = subset(Airbnb, select = -c(id, host\_id, last\_review))

## Checking the column names which are left for analysis.

colnames(Airbnb)

## [1] "name" "host\_name"   
## [3] "neighbourhood\_group" "neighbourhood"   
## [5] "latitude" "longitude"   
## [7] "room\_type" "price"   
## [9] "minimum\_nights" "number\_of\_reviews"   
## [11] "reviews\_per\_month" "calculated\_host\_listings\_count"  
## [13] "availability\_365"

## Filling the missing values in reviews\_per\_month with 0.

Airbnb$reviews\_per\_month <- ifelse(is.na(Airbnb$reviews\_per\_month), 0, Airbnb$reviews\_per\_month)

## Checking if there is any null values in reviews\_per\_month column is left or not.

sum(is.na(Airbnb$reviews\_per\_month))

## [1] 0

## Checking for any duplicate values in our dataset.

anyDuplicated(Airbnb)

## [1] 0

## Seeing how many observations fall under each of these columns.

table(Airbnb$neighbourhood\_group)

##   
## Bronx Brooklyn Manhattan Queens Staten Island   
## 1091 20104 21661 5666 373

table(Airbnb$neighbourhood)

##   
## Allerton Arden Heights   
## 42 4   
## Arrochar Arverne   
## 21 77   
## Astoria Bath Beach   
## 900 17   
## Battery Park City Bay Ridge   
## 70 141   
## Bay Terrace Bay Terrace, Staten Island   
## 6 2   
## Baychester Bayside   
## 7 39   
## Bayswater Bedford-Stuyvesant   
## 17 3714   
## Belle Harbor Bellerose   
## 8 14   
## Belmont Bensonhurst   
## 24 75   
## Bergen Beach Boerum Hill   
## 10 177   
## Borough Park Breezy Point   
## 136 3   
## Briarwood Brighton Beach   
## 56 75   
## Bronxdale Brooklyn Heights   
## 19 154   
## Brownsville Bull's Head   
## 61 6   
## Bushwick Cambria Heights   
## 2465 26   
## Canarsie Carroll Gardens   
## 147 233   
## Castle Hill Castleton Corners   
## 9 4   
## Chelsea Chinatown   
## 1113 368   
## City Island Civic Center   
## 18 52   
## Claremont Village Clason Point   
## 28 21   
## Clifton Clinton Hill   
## 15 572   
## Co-op City Cobble Hill   
## 2 99   
## College Point Columbia St   
## 19 42   
## Concord Concourse   
## 26 50   
## Concourse Village Coney Island   
## 32 17   
## Corona Crown Heights   
## 64 1564   
## Cypress Hills Ditmars Steinway   
## 135 309   
## Dongan Hills Douglaston   
## 7 8   
## Downtown Brooklyn DUMBO   
## 83 36   
## Dyker Heights East Elmhurst   
## 12 185   
## East Flatbush East Harlem   
## 500 1117   
## East Morrisania East New York   
## 10 218   
## East Village Eastchester   
## 1853 13   
## Edenwald Edgemere   
## 13 11   
## Elmhurst Eltingville   
## 237 3   
## Emerson Hill Far Rockaway   
## 5 29   
## Fieldston Financial District   
## 12 744   
## Flatbush Flatiron District   
## 621 80   
## Flatlands Flushing   
## 83 426   
## Fordham Forest Hills   
## 63 144   
## Fort Greene Fort Hamilton   
## 489 55   
## Fort Wadsworth Fresh Meadows   
## 1 32   
## Glendale Gowanus   
## 54 247   
## Gramercy Graniteville   
## 338 3   
## Grant City Gravesend   
## 6 68   
## Great Kills Greenpoint   
## 10 1115   
## Greenwich Village Grymes Hill   
## 392 7   
## Harlem Hell's Kitchen   
## 2658 1958   
## Highbridge Hollis   
## 27 14   
## Holliswood Howard Beach   
## 4 20   
## Howland Hook Huguenot   
## 2 3   
## Hunts Point Inwood   
## 18 252   
## Jackson Heights Jamaica   
## 186 231   
## Jamaica Estates Jamaica Hills   
## 19 8   
## Kensington Kew Gardens   
## 175 32   
## Kew Gardens Hills Kingsbridge   
## 26 70   
## Kips Bay Laurelton   
## 470 18   
## Lighthouse Hill Little Italy   
## 2 121   
## Little Neck Long Island City   
## 5 537   
## Longwood Lower East Side   
## 62 911   
## Manhattan Beach Marble Hill   
## 8 12   
## Mariners Harbor Maspeth   
## 8 110   
## Melrose Middle Village   
## 10 31   
## Midland Beach Midtown   
## 6 1545   
## Midwood Mill Basin   
## 109 4   
## Morningside Heights Morris Heights   
## 346 17   
## Morris Park Morrisania   
## 15 18   
## Mott Haven Mount Eden   
## 60 6   
## Mount Hope Murray Hill   
## 20 485   
## Navy Yard Neponsit   
## 14 3   
## New Brighton New Dorp   
## 5 1   
## New Dorp Beach New Springville   
## 5 8   
## NoHo Nolita   
## 78 253   
## North Riverdale Norwood   
## 10 31   
## Oakwood Olinville   
## 5 4   
## Ozone Park Park Slope   
## 62 506   
## Parkchester Pelham Bay   
## 39 17   
## Pelham Gardens Port Morris   
## 28 46   
## Port Richmond Prince's Bay   
## 9 4   
## Prospect-Lefferts Gardens Prospect Heights   
## 535 357   
## Queens Village Randall Manor   
## 60 19   
## Red Hook Rego Park   
## 79 106   
## Richmond Hill Richmondtown   
## 94 1   
## Ridgewood Riverdale   
## 423 11   
## Rockaway Beach Roosevelt Island   
## 56 77   
## Rosebank Rosedale   
## 7 59   
## Rossville Schuylerville   
## 1 13   
## Sea Gate Sheepshead Bay   
## 7 164   
## Shore Acres Silver Lake   
## 7 2   
## SoHo Soundview   
## 358 15   
## South Beach South Ozone Park   
## 8 40   
## South Slope Springfield Gardens   
## 284 85   
## Spuyten Duyvil St. Albans   
## 4 76   
## St. George Stapleton   
## 48 27   
## Stuyvesant Town Sunnyside   
## 37 363   
## Sunset Park Theater District   
## 390 288   
## Throgs Neck Todt Hill   
## 24 4   
## Tompkinsville Tottenville   
## 42 7   
## Tremont Tribeca   
## 11 177   
## Two Bridges Unionport   
## 72 7   
## University Heights Upper East Side   
## 21 1798   
## Upper West Side Van Nest   
## 1971 11   
## Vinegar Hill Wakefield   
## 34 50   
## Washington Heights West Brighton   
## 899 18   
## West Farms West Village   
## 2 768   
## Westchester Square Westerleigh   
## 10 2   
## Whitestone Williamsbridge   
## 11 40   
## Williamsburg Willowbrook   
## 3920 1   
## Windsor Terrace Woodhaven   
## 157 88   
## Woodlawn Woodrow   
## 11 1   
## Woodside   
## 235

table(Airbnb$room\_type)

##   
## Entire home/apt Private room Shared room   
## 25409 22326 1160

## CONDUCTNG DESCRIPTIVE ANALYSIS:

Descriptive analysis on few columns.

summary(Airbnb$price)

## Min. 1st Qu. Median Mean 3rd Qu. Max.   
## 0.0 69.0 106.0 152.7 175.0 10000.0

summary(Airbnb$minimum\_nights)

## Min. 1st Qu. Median Mean 3rd Qu. Max.   
## 1.00 1.00 3.00 7.03 5.00 1250.00

summary(Airbnb$number\_of\_reviews)

## Min. 1st Qu. Median Mean 3rd Qu. Max.   
## 0.00 1.00 5.00 23.27 24.00 629.00

summary(Airbnb$reviews\_per\_month)

## Min. 1st Qu. Median Mean 3rd Qu. Max.   
## 0.000 0.040 0.370 1.091 1.580 58.500

summary(Airbnb$calculated\_host\_listings\_count)

## Min. 1st Qu. Median Mean 3rd Qu. Max.   
## 1.000 1.000 1.000 7.144 2.000 327.000

summary(Airbnb$availability\_365)

## Min. 1st Qu. Median Mean 3rd Qu. Max.   
## 0.0 0.0 45.0 112.8 227.0 365.0

Comparing price, minimum\_nights, number\_of\_reviews, reviews\_per\_month, calculated\_host\_listings\_count and availability\_365 with neighbourhood\_group and neighbourhood.

aggregate(Airbnb$price ~ Airbnb$neighbourhood\_group, FUN = mean)

## Airbnb$neighbourhood\_group Airbnb$price  
## 1 Bronx 87.49679  
## 2 Brooklyn 124.38321  
## 3 Manhattan 196.87581  
## 4 Queens 99.51765  
## 5 Staten Island 114.81233

aggregate(Airbnb$price ~ Airbnb$neighbourhood\_group, FUN = median)

## Airbnb$neighbourhood\_group Airbnb$price  
## 1 Bronx 65  
## 2 Brooklyn 90  
## 3 Manhattan 150  
## 4 Queens 75  
## 5 Staten Island 75

aggregate(Airbnb$price ~ Airbnb$neighbourhood\_group, FUN = max)

## Airbnb$neighbourhood\_group Airbnb$price  
## 1 Bronx 2500  
## 2 Brooklyn 10000  
## 3 Manhattan 10000  
## 4 Queens 10000  
## 5 Staten Island 5000

aggregate(Airbnb$price ~ Airbnb$neighbourhood\_group, FUN = min)

## Airbnb$neighbourhood\_group Airbnb$price  
## 1 Bronx 0  
## 2 Brooklyn 0  
## 3 Manhattan 0  
## 4 Queens 10  
## 5 Staten Island 13

aggregate(Airbnb$price ~ Airbnb$neighbourhood, FUN = mean)

## Airbnb$neighbourhood Airbnb$price  
## 1 Allerton 87.59524  
## 2 Arden Heights 67.25000  
## 3 Arrochar 115.00000  
## 4 Arverne 171.77922  
## 5 Astoria 117.18778  
## 6 Bath Beach 81.76471  
## 7 Battery Park City 367.55714  
## 8 Bay Ridge 144.43262  
## 9 Bay Terrace 142.00000  
## 10 Bay Terrace, Staten Island 102.50000  
## 11 Baychester 75.42857  
## 12 Bayside 157.94872  
## 13 Bayswater 87.47059  
## 14 Bedford-Stuyvesant 107.67824  
## 15 Belle Harbor 171.50000  
## 16 Bellerose 99.35714  
## 17 Belmont 77.12500  
## 18 Bensonhurst 75.78667  
## 19 Bergen Beach 106.70000  
## 20 Boerum Hill 176.13559  
## 21 Borough Park 63.06618  
## 22 Breezy Point 213.33333  
## 23 Briarwood 105.87500  
## 24 Brighton Beach 131.93333  
## 25 Bronxdale 57.10526  
## 26 Brooklyn Heights 209.06494  
## 27 Brownsville 76.45902  
## 28 Bull's Head 47.33333  
## 29 Bushwick 84.80041  
## 30 Cambria Heights 81.73077  
## 31 Canarsie 104.36735  
## 32 Carroll Gardens 175.91416  
## 33 Castle Hill 63.00000  
## 34 Castleton Corners 139.75000  
## 35 Chelsea 249.73854  
## 36 Chinatown 161.49728  
## 37 City Island 173.00000  
## 38 Civic Center 191.94231  
## 39 Claremont Village 87.46429  
## 40 Clason Point 112.76190  
## 41 Clifton 84.93333  
## 42 Clinton Hill 181.89336  
## 43 Co-op City 77.50000  
## 44 Cobble Hill 211.92929  
## 45 College Point 88.00000  
## 46 Columbia St 162.95238  
## 47 Concord 58.19231  
## 48 Concourse 86.18000  
## 49 Concourse Village 73.78125  
## 50 Coney Island 123.70588  
## 51 Corona 59.17188  
## 52 Crown Heights 112.48018  
## 53 Cypress Hills 128.90370  
## 54 Ditmars Steinway 95.02913  
## 55 Dongan Hills 79.42857  
## 56 Douglaston 82.75000  
## 57 Downtown Brooklyn 150.34940  
## 58 DUMBO 196.30556  
## 59 Dyker Heights 93.41667  
## 60 East Elmhurst 81.18378  
## 61 East Flatbush 104.22200  
## 62 East Harlem 133.19875  
## 63 East Morrisania 85.00000  
## 64 East New York 85.42661  
## 65 East Village 186.08311  
## 66 Eastchester 141.69231  
## 67 Edenwald 82.00000  
## 68 Edgemere 94.72727  
## 69 Elmhurst 80.45992  
## 70 Eltingville 141.66667  
## 71 Emerson Hill 68.20000  
## 72 Far Rockaway 165.86207  
## 73 Fieldston 75.08333  
## 74 Financial District 225.49059  
## 75 Flatbush 92.21256  
## 76 Flatiron District 341.92500  
## 77 Flatlands 126.43373  
## 78 Flushing 93.51408  
## 79 Fordham 69.44444  
## 80 Forest Hills 121.62500  
## 81 Fort Greene 151.37423  
## 82 Fort Hamilton 93.81818  
## 83 Fort Wadsworth 800.00000  
## 84 Fresh Meadows 99.50000  
## 85 Glendale 90.79630  
## 86 Gowanus 158.80162  
## 87 Gramercy 222.75444  
## 88 Graniteville 68.66667  
## 89 Grant City 57.66667  
## 90 Gravesend 79.01471  
## 91 Great Kills 100.60000  
## 92 Greenpoint 144.82242  
## 93 Greenwich Village 263.40561  
## 94 Grymes Hill 159.14286  
## 95 Harlem 118.97404  
## 96 Hell's Kitchen 204.79418  
## 97 Highbridge 71.11111  
## 98 Hollis 88.64286  
## 99 Holliswood 135.75000  
## 100 Howard Beach 115.40000  
## 101 Howland Hook 100.00000  
## 102 Huguenot 118.33333  
## 103 Hunts Point 50.50000  
## 104 Inwood 88.89683  
## 105 Jackson Heights 80.89785  
## 106 Jamaica 95.77056  
## 107 Jamaica Estates 182.94737  
## 108 Jamaica Hills 132.12500  
## 109 Kensington 92.88571  
## 110 Kew Gardens 88.37500  
## 111 Kew Gardens Hills 112.30769  
## 112 Kingsbridge 77.92857  
## 113 Kips Bay 202.40851  
## 114 Laurelton 95.33333  
## 115 Lighthouse Hill 157.50000  
## 116 Little Italy 222.06612  
## 117 Little Neck 75.20000  
## 118 Long Island City 127.46555  
## 119 Longwood 91.91935  
## 120 Lower East Side 186.31284  
## 121 Manhattan Beach 103.50000  
## 122 Marble Hill 89.16667  
## 123 Mariners Harbor 94.62500  
## 124 Maspeth 83.64545  
## 125 Melrose 83.30000  
## 126 Middle Village 109.58065  
## 127 Midland Beach 91.83333  
## 128 Midtown 282.71909  
## 129 Midwood 80.33945  
## 130 Mill Basin 179.75000  
## 131 Morningside Heights 114.78324  
## 132 Morris Heights 76.94118  
## 133 Morris Park 69.33333  
## 134 Morrisania 83.44444  
## 135 Mott Haven 88.91667  
## 136 Mount Eden 58.50000  
## 137 Mount Hope 77.50000  
## 138 Murray Hill 220.95876  
## 139 Navy Yard 151.64286  
## 140 Neponsit 274.66667  
## 141 New Brighton 101.80000  
## 142 New Dorp 57.00000  
## 143 New Dorp Beach 57.40000  
## 144 New Springville 76.00000  
## 145 NoHo 295.71795  
## 146 Nolita 230.13834  
## 147 North Riverdale 79.90000  
## 148 Norwood 75.54839  
## 149 Oakwood 81.20000  
## 150 Olinville 64.00000  
## 151 Ozone Park 85.27419  
## 152 Park Slope 176.31225  
## 153 Parkchester 69.07692  
## 154 Pelham Bay 105.00000  
## 155 Pelham Gardens 93.60714  
## 156 Port Morris 79.89130  
## 157 Port Richmond 90.11111  
## 158 Prince's Bay 409.50000  
## 159 Prospect-Lefferts Gardens 110.40187  
## 160 Prospect Heights 173.37255  
## 161 Queens Village 83.93333  
## 162 Randall Manor 336.00000  
## 163 Red Hook 143.45570  
## 164 Rego Park 83.87736  
## 165 Richmond Hill 87.11702  
## 166 Richmondtown 78.00000  
## 167 Ridgewood 77.18440  
## 168 Riverdale 442.09091  
## 169 Rockaway Beach 132.17857  
## 170 Roosevelt Island 113.25974  
## 171 Rosebank 111.85714  
## 172 Rosedale 76.69492  
## 173 Rossville 75.00000  
## 174 Schuylerville 69.23077  
## 175 Sea Gate 487.85714  
## 176 Sheepshead Bay 105.77439  
## 177 Shore Acres 152.71429  
## 178 Silver Lake 70.00000  
## 179 SoHo 287.10335  
## 180 Soundview 53.46667  
## 181 South Beach 89.25000  
## 182 South Ozone Park 82.40000  
## 183 South Slope 146.72535  
## 184 Springfield Gardens 94.23529  
## 185 Spuyten Duyvil 154.75000  
## 186 St. Albans 100.82895  
## 187 St. George 118.14583  
## 188 Stapleton 98.96296  
## 189 Stuyvesant Town 169.10811  
## 190 Sunnyside 84.86501  
## 191 Sunset Park 113.04103  
## 192 Theater District 248.01389  
## 193 Throgs Neck 91.04167  
## 194 Todt Hill 169.00000  
## 195 Tompkinsville 76.19048  
## 196 Tottenville 144.85714  
## 197 Tremont 51.54545  
## 198 Tribeca 490.63842  
## 199 Two Bridges 127.06944  
## 200 Unionport 137.14286  
## 201 University Heights 69.57143  
## 202 Upper East Side 188.94828  
## 203 Upper West Side 210.91832  
## 204 Van Nest 113.81818  
## 205 Vinegar Hill 187.17647  
## 206 Wakefield 85.58000  
## 207 Washington Heights 89.61068  
## 208 West Brighton 80.55556  
## 209 West Farms 122.00000  
## 210 West Village 267.68229  
## 211 Westchester Square 122.20000  
## 212 Westerleigh 71.50000  
## 213 Whitestone 107.54545  
## 214 Williamsbridge 96.75000  
## 215 Williamsburg 143.80281  
## 216 Willowbrook 249.00000  
## 217 Windsor Terrace 138.99363  
## 218 Woodhaven 67.17045  
## 219 Woodlawn 60.09091  
## 220 Woodrow 700.00000  
## 221 Woodside 85.09787

aggregate(Airbnb$price ~ Airbnb$neighbourhood, FUN = median)

## Airbnb$neighbourhood Airbnb$price  
## 1 Allerton 66.5  
## 2 Arden Heights 72.5  
## 3 Arrochar 65.0  
## 4 Arverne 125.0  
## 5 Astoria 85.0  
## 6 Bath Beach 69.0  
## 7 Battery Park City 195.0  
## 8 Bay Ridge 85.0  
## 9 Bay Terrace 141.5  
## 10 Bay Terrace, Staten Island 102.5  
## 11 Baychester 75.0  
## 12 Bayside 65.0  
## 13 Bayswater 70.0  
## 14 Bedford-Stuyvesant 80.0  
## 15 Belle Harbor 155.0  
## 16 Bellerose 85.0  
## 17 Belmont 52.5  
## 18 Bensonhurst 75.0  
## 19 Bergen Beach 96.0  
## 20 Boerum Hill 150.0  
## 21 Borough Park 53.5  
## 22 Breezy Point 195.0  
## 23 Briarwood 71.5  
## 24 Brighton Beach 85.0  
## 25 Bronxdale 50.0  
## 26 Brooklyn Heights 150.0  
## 27 Brownsville 62.0  
## 28 Bull's Head 45.0  
## 29 Bushwick 65.0  
## 30 Cambria Heights 60.0  
## 31 Canarsie 85.0  
## 32 Carroll Gardens 150.0  
## 33 Castle Hill 39.0  
## 34 Castleton Corners 107.5  
## 35 Chelsea 199.0  
## 36 Chinatown 129.0  
## 37 City Island 97.5  
## 38 Civic Center 169.0  
## 39 Claremont Village 68.5  
## 40 Clason Point 80.0  
## 41 Clifton 75.0  
## 42 Clinton Hill 120.0  
## 43 Co-op City 77.5  
## 44 Cobble Hill 156.0  
## 45 College Point 60.0  
## 46 Columbia St 132.5  
## 47 Concord 34.5  
## 48 Concourse 81.0  
## 49 Concourse Village 65.0  
## 50 Coney Island 100.0  
## 51 Corona 40.0  
## 52 Crown Heights 85.0  
## 53 Cypress Hills 68.0  
## 54 Ditmars Steinway 79.0  
## 55 Dongan Hills 70.0  
## 56 Douglaston 65.0  
## 57 Downtown Brooklyn 135.0  
## 58 DUMBO 189.0  
## 59 Dyker Heights 82.5  
## 60 East Elmhurst 60.0  
## 61 East Flatbush 75.0  
## 62 East Harlem 99.0  
## 63 East Morrisania 72.5  
## 64 East New York 75.0  
## 65 East Village 150.0  
## 66 Eastchester 75.0  
## 67 Edenwald 75.0  
## 68 Edgemere 65.0  
## 69 Elmhurst 59.0  
## 70 Eltingville 70.0  
## 71 Emerson Hill 78.0  
## 72 Far Rockaway 63.0  
## 73 Fieldston 67.0  
## 74 Financial District 200.0  
## 75 Flatbush 72.0  
## 76 Flatiron District 225.0  
## 77 Flatlands 85.0  
## 78 Flushing 65.0  
## 79 Fordham 60.0  
## 80 Forest Hills 80.0  
## 81 Fort Greene 130.0  
## 82 Fort Hamilton 90.0  
## 83 Fort Wadsworth 800.0  
## 84 Fresh Meadows 72.0  
## 85 Glendale 84.0  
## 86 Gowanus 129.0  
## 87 Gramercy 165.0  
## 88 Graniteville 71.0  
## 89 Grant City 66.0  
## 90 Gravesend 70.0  
## 91 Great Kills 83.0  
## 92 Greenpoint 119.0  
## 93 Greenwich Village 197.5  
## 94 Grymes Hill 125.0  
## 95 Harlem 89.0  
## 96 Hell's Kitchen 168.0  
## 97 Highbridge 70.0  
## 98 Hollis 77.5  
## 99 Holliswood 112.5  
## 100 Howard Beach 100.0  
## 101 Howland Hook 100.0  
## 102 Huguenot 100.0  
## 103 Hunts Point 40.0  
## 104 Inwood 77.5  
## 105 Jackson Heights 68.5  
## 106 Jamaica 70.0  
## 107 Jamaica Estates 135.0  
## 108 Jamaica Hills 83.5  
## 109 Kensington 70.0  
## 110 Kew Gardens 67.5  
## 111 Kew Gardens Hills 92.5  
## 112 Kingsbridge 70.0  
## 113 Kips Bay 152.0  
## 114 Laurelton 75.0  
## 115 Lighthouse Hill 157.5  
## 116 Little Italy 150.0  
## 117 Little Neck 50.0  
## 118 Long Island City 99.0  
## 119 Longwood 75.0  
## 120 Lower East Side 139.0  
## 121 Manhattan Beach 112.0  
## 122 Marble Hill 76.5  
## 123 Mariners Harbor 71.5  
## 124 Maspeth 65.0  
## 125 Melrose 74.5  
## 126 Middle Village 99.0  
## 127 Midland Beach 95.0  
## 128 Midtown 210.0  
## 129 Midwood 75.0  
## 130 Mill Basin 167.5  
## 131 Morningside Heights 98.5  
## 132 Morris Heights 51.0  
## 133 Morris Park 60.0  
## 134 Morrisania 73.5  
## 135 Mott Haven 74.0  
## 136 Mount Eden 45.5  
## 137 Mount Hope 60.0  
## 138 Murray Hill 190.0  
## 139 Navy Yard 150.0  
## 140 Neponsit 274.0  
## 141 New Brighton 55.0  
## 142 New Dorp 57.0  
## 143 New Dorp Beach 40.0  
## 144 New Springville 63.0  
## 145 NoHo 250.0  
## 146 Nolita 179.0  
## 147 North Riverdale 65.0  
## 148 Norwood 58.0  
## 149 Oakwood 65.0  
## 150 Olinville 53.0  
## 151 Ozone Park 75.0  
## 152 Park Slope 145.0  
## 153 Parkchester 55.0  
## 154 Pelham Bay 89.0  
## 155 Pelham Gardens 75.0  
## 156 Port Morris 62.5  
## 157 Port Richmond 50.0  
## 158 Prince's Bay 151.5  
## 159 Prospect-Lefferts Gardens 80.0  
## 160 Prospect Heights 124.0  
## 161 Queens Village 75.0  
## 162 Randall Manor 79.0  
## 163 Red Hook 117.0  
## 164 Rego Park 67.0  
## 165 Richmond Hill 65.0  
## 166 Richmondtown 78.0  
## 167 Ridgewood 60.0  
## 168 Riverdale 150.0  
## 169 Rockaway Beach 125.0  
## 170 Roosevelt Island 80.0  
## 171 Rosebank 100.0  
## 172 Rosedale 65.0  
## 173 Rossville 75.0  
## 174 Schuylerville 65.0  
## 175 Sea Gate 125.0  
## 176 Sheepshead Bay 65.0  
## 177 Shore Acres 100.0  
## 178 Silver Lake 70.0  
## 179 SoHo 199.0  
## 180 Soundview 49.0  
## 181 South Beach 67.5  
## 182 South Ozone Park 69.0  
## 183 South Slope 135.0  
## 184 Springfield Gardens 80.0  
## 185 Spuyten Duyvil 99.5  
## 186 St. Albans 61.5  
## 187 St. George 96.0  
## 188 Stapleton 75.0  
## 189 Stuyvesant Town 115.0  
## 190 Sunnyside 75.0  
## 191 Sunset Park 80.0  
## 192 Theater District 190.0  
## 193 Throgs Neck 74.5  
## 194 Todt Hill 98.5  
## 195 Tompkinsville 62.5  
## 196 Tottenville 100.0  
## 197 Tremont 41.0  
## 198 Tribeca 295.0  
## 199 Two Bridges 109.5  
## 200 Unionport 90.0  
## 201 University Heights 55.0  
## 202 Upper East Side 149.0  
## 203 Upper West Side 150.0  
## 204 Van Nest 50.0  
## 205 Vinegar Hill 175.0  
## 206 Wakefield 60.0  
## 207 Washington Heights 72.0  
## 208 West Brighton 69.5  
## 209 West Farms 122.0  
## 210 West Village 200.0  
## 211 Westchester Square 67.5  
## 212 Westerleigh 71.5  
## 213 Whitestone 49.0  
## 214 Williamsbridge 64.0  
## 215 Williamsburg 105.0  
## 216 Willowbrook 249.0  
## 217 Windsor Terrace 123.0  
## 218 Woodhaven 52.0  
## 219 Woodlawn 68.0  
## 220 Woodrow 700.0  
## 221 Woodside 60.0

aggregate(Airbnb$price ~ Airbnb$neighbourhood, FUN = max)

## Airbnb$neighbourhood Airbnb$price  
## 1 Allerton 450  
## 2 Arden Heights 83  
## 3 Arrochar 625  
## 4 Arverne 1500  
## 5 Astoria 10000  
## 6 Bath Beach 180  
## 7 Battery Park City 7500  
## 8 Bay Ridge 4200  
## 9 Bay Terrace 258  
## 10 Bay Terrace, Staten Island 150  
## 11 Baychester 101  
## 12 Bayside 2600  
## 13 Bayswater 230  
## 14 Bedford-Stuyvesant 5000  
## 15 Belle Harbor 350  
## 16 Bellerose 240  
## 17 Belmont 299  
## 18 Bensonhurst 200  
## 19 Bergen Beach 235  
## 20 Boerum Hill 1000  
## 21 Borough Park 300  
## 22 Breezy Point 250  
## 23 Briarwood 1000  
## 24 Brighton Beach 3000  
## 25 Bronxdale 100  
## 26 Brooklyn Heights 1500  
## 27 Brownsville 300  
## 28 Bull's Head 80  
## 29 Bushwick 2000  
## 30 Cambria Heights 250  
## 31 Canarsie 600  
## 32 Carroll Gardens 1395  
## 33 Castle Hill 128  
## 34 Castleton Corners 299  
## 35 Chelsea 6800  
## 36 Chinatown 1500  
## 37 City Island 1000  
## 38 Civic Center 950  
## 39 Claremont Village 390  
## 40 Clason Point 379  
## 41 Clifton 165  
## 42 Clinton Hill 8000  
## 43 Co-op City 80  
## 44 Cobble Hill 1750  
## 45 College Point 400  
## 46 Columbia St 1080  
## 47 Concord 200  
## 48 Concourse 250  
## 49 Concourse Village 159  
## 50 Coney Island 450  
## 51 Corona 359  
## 52 Crown Heights 2500  
## 53 Cypress Hills 5000  
## 54 Ditmars Steinway 600  
## 55 Dongan Hills 155  
## 56 Douglaston 178  
## 57 Downtown Brooklyn 650  
## 58 DUMBO 400  
## 59 Dyker Heights 170  
## 60 East Elmhurst 700  
## 61 East Flatbush 7500  
## 62 East Harlem 9999  
## 63 East Morrisania 200  
## 64 East New York 300  
## 65 East Village 3750  
## 66 Eastchester 475  
## 67 Edenwald 149  
## 68 Edgemere 200  
## 69 Elmhurst 443  
## 70 Eltingville 299  
## 71 Emerson Hill 85  
## 72 Far Rockaway 900  
## 73 Fieldston 135  
## 74 Financial District 3000  
## 75 Flatbush 1100  
## 76 Flatiron District 2000  
## 77 Flatlands 1700  
## 78 Flushing 1500  
## 79 Fordham 223  
## 80 Forest Hills 2350  
## 81 Fort Greene 1200  
## 82 Fort Hamilton 200  
## 83 Fort Wadsworth 800  
## 84 Fresh Meadows 375  
## 85 Glendale 299  
## 86 Gowanus 1333  
## 87 Gramercy 3000  
## 88 Graniteville 115  
## 89 Grant City 80  
## 90 Gravesend 300  
## 91 Great Kills 235  
## 92 Greenpoint 10000  
## 93 Greenwich Village 6000  
## 94 Grymes Hill 300  
## 95 Harlem 5000  
## 96 Hell's Kitchen 4100  
## 97 Highbridge 240  
## 98 Hollis 175  
## 99 Holliswood 239  
## 100 Howard Beach 250  
## 101 Howland Hook 100  
## 102 Huguenot 180  
## 103 Hunts Point 150  
## 104 Inwood 359  
## 105 Jackson Heights 260  
## 106 Jamaica 1000  
## 107 Jamaica Estates 750  
## 108 Jamaica Hills 325  
## 109 Kensington 525  
## 110 Kew Gardens 219  
## 111 Kew Gardens Hills 399  
## 112 Kingsbridge 399  
## 113 Kips Bay 2750  
## 114 Laurelton 254  
## 115 Lighthouse Hill 200  
## 116 Little Italy 5250  
## 117 Little Neck 149  
## 118 Long Island City 2000  
## 119 Longwood 680  
## 120 Lower East Side 9999  
## 121 Manhattan Beach 150  
## 122 Marble Hill 274  
## 123 Mariners Harbor 200  
## 124 Maspeth 245  
## 125 Melrose 150  
## 126 Middle Village 265  
## 127 Midland Beach 115  
## 128 Midtown 5100  
## 129 Midwood 250  
## 130 Mill Basin 299  
## 131 Morningside Heights 1200  
## 132 Morris Heights 240  
## 133 Morris Park 190  
## 134 Morrisania 225  
## 135 Mott Haven 500  
## 136 Mount Eden 150  
## 137 Mount Hope 250  
## 138 Murray Hill 2000  
## 139 Navy Yard 295  
## 140 Neponsit 350  
## 141 New Brighton 249  
## 142 New Dorp 57  
## 143 New Dorp Beach 109  
## 144 New Springville 150  
## 145 NoHo 1795  
## 146 Nolita 5000  
## 147 North Riverdale 150  
## 148 Norwood 200  
## 149 Oakwood 130  
## 150 Olinville 125  
## 151 Ozone Park 200  
## 152 Park Slope 2626  
## 153 Parkchester 300  
## 154 Pelham Bay 299  
## 155 Pelham Gardens 450  
## 156 Port Morris 220  
## 157 Port Richmond 250  
## 158 Prince's Bay 1250  
## 159 Prospect-Lefferts Gardens 2545  
## 160 Prospect Heights 4000  
## 161 Queens Village 320  
## 162 Randall Manor 5000  
## 163 Red Hook 750  
## 164 Rego Park 300  
## 165 Richmond Hill 300  
## 166 Richmondtown 78  
## 167 Ridgewood 375  
## 168 Riverdale 2500  
## 169 Rockaway Beach 545  
## 170 Roosevelt Island 1400  
## 171 Rosebank 200  
## 172 Rosedale 350  
## 173 Rossville 75  
## 174 Schuylerville 150  
## 175 Sea Gate 1485  
## 176 Sheepshead Bay 2000  
## 177 Shore Acres 300  
## 178 Silver Lake 80  
## 179 SoHo 3000  
## 180 Soundview 103  
## 181 South Beach 275  
## 182 South Ozone Park 400  
## 183 South Slope 500  
## 184 Springfield Gardens 300  
## 185 Spuyten Duyvil 360  
## 186 St. Albans 600  
## 187 St. George 1000  
## 188 Stapleton 450  
## 189 Stuyvesant Town 1500  
## 190 Sunnyside 600  
## 191 Sunset Park 2000  
## 192 Theater District 3000  
## 193 Throgs Neck 325  
## 194 Todt Hill 429  
## 195 Tompkinsville 245  
## 196 Tottenville 299  
## 197 Tremont 150  
## 198 Tribeca 8500  
## 199 Two Bridges 320  
## 200 Unionport 450  
## 201 University Heights 175  
## 202 Upper East Side 7703  
## 203 Upper West Side 10000  
## 204 Van Nest 425  
## 205 Vinegar Hill 550  
## 206 Wakefield 309  
## 207 Washington Heights 1000  
## 208 West Brighton 200  
## 209 West Farms 165  
## 210 West Village 4000  
## 211 Westchester Square 670  
## 212 Westerleigh 103  
## 213 Whitestone 400  
## 214 Williamsbridge 500  
## 215 Williamsburg 4500  
## 216 Willowbrook 249  
## 217 Windsor Terrace 450  
## 218 Woodhaven 250  
## 219 Woodlawn 85  
## 220 Woodrow 700  
## 221 Woodside 500

aggregate(Airbnb$price ~ Airbnb$neighbourhood, FUN = min)

## Airbnb$neighbourhood Airbnb$price  
## 1 Allerton 33  
## 2 Arden Heights 41  
## 3 Arrochar 32  
## 4 Arverne 35  
## 5 Astoria 25  
## 6 Bath Beach 33  
## 7 Battery Park City 55  
## 8 Bay Ridge 18  
## 9 Bay Terrace 32  
## 10 Bay Terrace, Staten Island 55  
## 11 Baychester 53  
## 12 Bayside 30  
## 13 Bayswater 45  
## 14 Bedford-Stuyvesant 0  
## 15 Belle Harbor 85  
## 16 Bellerose 42  
## 17 Belmont 24  
## 18 Bensonhurst 15  
## 19 Bergen Beach 49  
## 20 Boerum Hill 46  
## 21 Borough Park 20  
## 22 Breezy Point 195  
## 23 Briarwood 30  
## 24 Brighton Beach 30  
## 25 Bronxdale 25  
## 26 Brooklyn Heights 45  
## 27 Brownsville 28  
## 28 Bull's Head 25  
## 29 Bushwick 0  
## 30 Cambria Heights 31  
## 31 Canarsie 25  
## 32 Carroll Gardens 40  
## 33 Castle Hill 38  
## 34 Castleton Corners 45  
## 35 Chelsea 12  
## 36 Chinatown 41  
## 37 City Island 29  
## 38 Civic Center 50  
## 39 Claremont Village 26  
## 40 Clason Point 40  
## 41 Clifton 40  
## 42 Clinton Hill 35  
## 43 Co-op City 75  
## 44 Cobble Hill 59  
## 45 College Point 44  
## 46 Columbia St 55  
## 47 Concord 29  
## 48 Concourse 35  
## 49 Concourse Village 34  
## 50 Coney Island 25  
## 51 Corona 23  
## 52 Crown Heights 12  
## 53 Cypress Hills 19  
## 54 Ditmars Steinway 22  
## 55 Dongan Hills 37  
## 56 Douglaston 40  
## 57 Downtown Brooklyn 39  
## 58 DUMBO 74  
## 59 Dyker Heights 30  
## 60 East Elmhurst 16  
## 61 East Flatbush 15  
## 62 East Harlem 30  
## 63 East Morrisania 0  
## 64 East New York 25  
## 65 East Village 10  
## 66 Eastchester 45  
## 67 Edenwald 42  
## 68 Edgemere 40  
## 69 Elmhurst 15  
## 70 Eltingville 56  
## 71 Emerson Hill 49  
## 72 Far Rockaway 35  
## 73 Fieldston 49  
## 74 Financial District 12  
## 75 Flatbush 20  
## 76 Flatiron District 65  
## 77 Flatlands 22  
## 78 Flushing 15  
## 79 Fordham 21  
## 80 Forest Hills 16  
## 81 Fort Greene 25  
## 82 Fort Hamilton 20  
## 83 Fort Wadsworth 800  
## 84 Fresh Meadows 39  
## 85 Glendale 25  
## 86 Gowanus 35  
## 87 Gramercy 45  
## 88 Graniteville 20  
## 89 Grant City 29  
## 90 Gravesend 20  
## 91 Great Kills 40  
## 92 Greenpoint 0  
## 93 Greenwich Village 43  
## 94 Grymes Hill 89  
## 95 Harlem 10  
## 96 Hell's Kitchen 10  
## 97 Highbridge 10  
## 98 Hollis 50  
## 99 Holliswood 79  
## 100 Howard Beach 40  
## 101 Howland Hook 100  
## 102 Huguenot 75  
## 103 Hunts Point 35  
## 104 Inwood 22  
## 105 Jackson Heights 23  
## 106 Jamaica 10  
## 107 Jamaica Estates 35  
## 108 Jamaica Hills 50  
## 109 Kensington 24  
## 110 Kew Gardens 35  
## 111 Kew Gardens Hills 40  
## 112 Kingsbridge 27  
## 113 Kips Bay 10  
## 114 Laurelton 34  
## 115 Lighthouse Hill 115  
## 116 Little Italy 41  
## 117 Little Neck 32  
## 118 Long Island City 30  
## 119 Longwood 27  
## 120 Lower East Side 29  
## 121 Manhattan Beach 45  
## 122 Marble Hill 40  
## 123 Mariners Harbor 40  
## 124 Maspeth 11  
## 125 Melrose 42  
## 126 Middle Village 28  
## 127 Midland Beach 61  
## 128 Midtown 30  
## 129 Midwood 20  
## 130 Mill Basin 85  
## 131 Morningside Heights 30  
## 132 Morris Heights 20  
## 133 Morris Park 29  
## 134 Morrisania 23  
## 135 Mott Haven 35  
## 136 Mount Eden 25  
## 137 Mount Hope 24  
## 138 Murray Hill 0  
## 139 Navy Yard 50  
## 140 Neponsit 200  
## 141 New Brighton 40  
## 142 New Dorp 57  
## 143 New Dorp Beach 36  
## 144 New Springville 43  
## 145 NoHo 75  
## 146 Nolita 20  
## 147 North Riverdale 40  
## 148 Norwood 26  
## 149 Oakwood 46  
## 150 Olinville 25  
## 151 Ozone Park 25  
## 152 Park Slope 30  
## 153 Parkchester 25  
## 154 Pelham Bay 37  
## 155 Pelham Gardens 20  
## 156 Port Morris 28  
## 157 Port Richmond 40  
## 158 Prince's Bay 85  
## 159 Prospect-Lefferts Gardens 22  
## 160 Prospect Heights 34  
## 161 Queens Village 25  
## 162 Randall Manor 13  
## 163 Red Hook 30  
## 164 Rego Park 21  
## 165 Richmond Hill 28  
## 166 Richmondtown 78  
## 167 Ridgewood 20  
## 168 Riverdale 49  
## 169 Rockaway Beach 49  
## 170 Roosevelt Island 30  
## 171 Rosebank 55  
## 172 Rosedale 22  
## 173 Rossville 75  
## 174 Schuylerville 20  
## 175 Sea Gate 71  
## 176 Sheepshead Bay 20  
## 177 Shore Acres 54  
## 178 Silver Lake 60  
## 179 SoHo 10  
## 180 Soundview 28  
## 181 South Beach 20  
## 182 South Ozone Park 29  
## 183 South Slope 40  
## 184 Springfield Gardens 40  
## 185 Spuyten Duyvil 60  
## 186 St. Albans 25  
## 187 St. George 29  
## 188 Stapleton 34  
## 189 Stuyvesant Town 45  
## 190 Sunnyside 12  
## 191 Sunset Park 10  
## 192 Theater District 40  
## 193 Throgs Neck 40  
## 194 Todt Hill 50  
## 195 Tompkinsville 30  
## 196 Tottenville 70  
## 197 Tremont 25  
## 198 Tribeca 60  
## 199 Two Bridges 35  
## 200 Unionport 60  
## 201 University Heights 37  
## 202 Upper East Side 10  
## 203 Upper West Side 10  
## 204 Van Nest 20  
## 205 Vinegar Hill 46  
## 206 Wakefield 28  
## 207 Washington Heights 16  
## 208 West Brighton 37  
## 209 West Farms 79  
## 210 West Village 50  
## 211 Westchester Square 28  
## 212 Westerleigh 40  
## 213 Whitestone 35  
## 214 Williamsbridge 25  
## 215 Williamsburg 0  
## 216 Willowbrook 249  
## 217 Windsor Terrace 38  
## 218 Woodhaven 10  
## 219 Woodlawn 29  
## 220 Woodrow 700  
## 221 Woodside 28

aggregate(Airbnb$minimum\_nights ~ Airbnb$neighbourhood\_group, FUN = mean)

## Airbnb$neighbourhood\_group Airbnb$minimum\_nights  
## 1 Bronx 4.560953  
## 2 Brooklyn 6.056556  
## 3 Manhattan 8.579151  
## 4 Queens 5.181433  
## 5 Staten Island 4.831099

aggregate(Airbnb$minimum\_nights ~ Airbnb$neighbourhood\_group, FUN = median)

## Airbnb$neighbourhood\_group Airbnb$minimum\_nights  
## 1 Bronx 2  
## 2 Brooklyn 3  
## 3 Manhattan 3  
## 4 Queens 2  
## 5 Staten Island 2

aggregate(Airbnb$minimum\_nights ~ Airbnb$neighbourhood\_group, FUN = max)

## Airbnb$neighbourhood\_group Airbnb$minimum\_nights  
## 1 Bronx 365  
## 2 Brooklyn 999  
## 3 Manhattan 1250  
## 4 Queens 500  
## 5 Staten Island 365

aggregate(Airbnb$minimum\_nights ~ Airbnb$neighbourhood\_group, FUN = min)

## Airbnb$neighbourhood\_group Airbnb$minimum\_nights  
## 1 Bronx 1  
## 2 Brooklyn 1  
## 3 Manhattan 1  
## 4 Queens 1  
## 5 Staten Island 1

aggregate(Airbnb$minimum\_nights ~ Airbnb$neighbourhood, FUN = mean)

## Airbnb$neighbourhood Airbnb$minimum\_nights  
## 1 Allerton 2.214286  
## 2 Arden Heights 9.500000  
## 3 Arrochar 2.761905  
## 4 Arverne 1.649351  
## 5 Astoria 6.036667  
## 6 Bath Beach 2.470588  
## 7 Battery Park City 30.328571  
## 8 Bay Ridge 10.028369  
## 9 Bay Terrace 2.500000  
## 10 Bay Terrace, Staten Island 16.500000  
## 11 Baychester 2.428571  
## 12 Bayside 4.179487  
## 13 Bayswater 5.176471  
## 14 Bedford-Stuyvesant 5.689284  
## 15 Belle Harbor 1.750000  
## 16 Bellerose 1.785714  
## 17 Belmont 3.375000  
## 18 Bensonhurst 4.986667  
## 19 Bergen Beach 6.100000  
## 20 Boerum Hill 7.751412  
## 21 Borough Park 3.191176  
## 22 Breezy Point 1.000000  
## 23 Briarwood 1.892857  
## 24 Brighton Beach 4.520000  
## 25 Bronxdale 2.894737  
## 26 Brooklyn Heights 7.525974  
## 27 Brownsville 2.672131  
## 28 Bull's Head 12.166667  
## 29 Bushwick 5.864503  
## 30 Cambria Heights 2.192308  
## 31 Canarsie 2.292517  
## 32 Carroll Gardens 4.575107  
## 33 Castle Hill 2.333333  
## 34 Castleton Corners 9.000000  
## 35 Chelsea 10.026056  
## 36 Chinatown 5.673913  
## 37 City Island 2.055556  
## 38 Civic Center 7.500000  
## 39 Claremont Village 15.214286  
## 40 Clason Point 2.047619  
## 41 Clifton 1.866667  
## 42 Clinton Hill 6.692308  
## 43 Co-op City 2.500000  
## 44 Cobble Hill 7.383838  
## 45 College Point 4.157895  
## 46 Columbia St 5.404762  
## 47 Concord 5.153846  
## 48 Concourse 2.600000  
## 49 Concourse Village 3.218750  
## 50 Coney Island 4.470588  
## 51 Corona 2.265625  
## 52 Crown Heights 5.622123  
## 53 Cypress Hills 6.355556  
## 54 Ditmars Steinway 4.330097  
## 55 Dongan Hills 2.142857  
## 56 Douglaston 2.000000  
## 57 Downtown Brooklyn 5.891566  
## 58 DUMBO 7.666667  
## 59 Dyker Heights 2.500000  
## 60 East Elmhurst 1.805405  
## 61 East Flatbush 6.420000  
## 62 East Harlem 5.857654  
## 63 East Morrisania 1.400000  
## 64 East New York 4.678899  
## 65 East Village 6.467350  
## 66 Eastchester 1.692308  
## 67 Edenwald 3.076923  
## 68 Edgemere 10.090909  
## 69 Elmhurst 6.691983  
## 70 Eltingville 5.333333  
## 71 Emerson Hill 1.600000  
## 72 Far Rockaway 5.413793  
## 73 Fieldston 3.083333  
## 74 Financial District 12.248656  
## 75 Flatbush 5.095008  
## 76 Flatiron District 6.225000  
## 77 Flatlands 2.566265  
## 78 Flushing 3.321596  
## 79 Fordham 4.238095  
## 80 Forest Hills 6.937500  
## 81 Fort Greene 7.490798  
## 82 Fort Hamilton 6.090909  
## 83 Fort Wadsworth 7.000000  
## 84 Fresh Meadows 1.562500  
## 85 Glendale 3.833333  
## 86 Gowanus 5.550607  
## 87 Gramercy 8.547337  
## 88 Graniteville 2.666667  
## 89 Grant City 6.666667  
## 90 Gravesend 6.647059  
## 91 Great Kills 10.700000  
## 92 Greenpoint 6.396413  
## 93 Greenwich Village 15.839286  
## 94 Grymes Hill 1.857143  
## 95 Harlem 6.414597  
## 96 Hell's Kitchen 8.167518  
## 97 Highbridge 4.148148  
## 98 Hollis 2.071429  
## 99 Holliswood 2.500000  
## 100 Howard Beach 3.050000  
## 101 Howland Hook 3.500000  
## 102 Huguenot 1.666667  
## 103 Hunts Point 13.777778  
## 104 Inwood 5.388889  
## 105 Jackson Heights 4.983871  
## 106 Jamaica 1.861472  
## 107 Jamaica Estates 1.947368  
## 108 Jamaica Hills 1.625000  
## 109 Kensington 7.742857  
## 110 Kew Gardens 5.468750  
## 111 Kew Gardens Hills 3.423077  
## 112 Kingsbridge 5.014286  
## 113 Kips Bay 12.104255  
## 114 Laurelton 2.333333  
## 115 Lighthouse Hill 2.000000  
## 116 Little Italy 11.471074  
## 117 Little Neck 1.800000  
## 118 Long Island City 6.396648  
## 119 Longwood 2.661290  
## 120 Lower East Side 6.108672  
## 121 Manhattan Beach 6.000000  
## 122 Marble Hill 2.583333  
## 123 Mariners Harbor 2.375000  
## 124 Maspeth 5.272727  
## 125 Melrose 3.100000  
## 126 Middle Village 6.225806  
## 127 Midland Beach 3.000000  
## 128 Midtown 11.515858  
## 129 Midwood 8.064220  
## 130 Mill Basin 2.250000  
## 131 Morningside Heights 5.716763  
## 132 Morris Heights 1.823529  
## 133 Morris Park 2.933333  
## 134 Morrisania 2.222222  
## 135 Mott Haven 2.350000  
## 136 Mount Eden 1.833333  
## 137 Mount Hope 15.950000  
## 138 Murray Hill 15.589691  
## 139 Navy Yard 4.571429  
## 140 Neponsit 2.000000  
## 141 New Brighton 7.800000  
## 142 New Dorp 1.000000  
## 143 New Dorp Beach 2.000000  
## 144 New Springville 2.625000  
## 145 NoHo 5.987179  
## 146 Nolita 6.924901  
## 147 North Riverdale 41.400000  
## 148 Norwood 3.709677  
## 149 Oakwood 1.200000  
## 150 Olinville 23.500000  
## 151 Ozone Park 2.774194  
## 152 Park Slope 8.608696  
## 153 Parkchester 4.538462  
## 154 Pelham Bay 2.764706  
## 155 Pelham Gardens 2.678571  
## 156 Port Morris 4.282609  
## 157 Port Richmond 10.888889  
## 158 Prince's Bay 4.750000  
## 159 Prospect-Lefferts Gardens 5.157009  
## 160 Prospect Heights 5.689076  
## 161 Queens Village 3.183333  
## 162 Randall Manor 2.578947  
## 163 Red Hook 3.848101  
## 164 Rego Park 5.405660  
## 165 Richmond Hill 5.106383  
## 166 Richmondtown 3.000000  
## 167 Ridgewood 8.004728  
## 168 Riverdale 5.363636  
## 169 Rockaway Beach 3.285714  
## 170 Roosevelt Island 6.571429  
## 171 Rosebank 2.142857  
## 172 Rosedale 3.542373  
## 173 Rossville 3.000000  
## 174 Schuylerville 2.153846  
## 175 Sea Gate 4.142857  
## 176 Sheepshead Bay 5.323171  
## 177 Shore Acres 2.857143  
## 178 Silver Lake 2.500000  
## 179 SoHo 5.941341  
## 180 Soundview 2.133333  
## 181 South Beach 2.375000  
## 182 South Ozone Park 3.100000  
## 183 South Slope 6.658451  
## 184 Springfield Gardens 2.023529  
## 185 Spuyten Duyvil 48.250000  
## 186 St. Albans 1.881579  
## 187 St. George 10.583333  
## 188 Stapleton 2.777778  
## 189 Stuyvesant Town 10.000000  
## 190 Sunnyside 6.966942  
## 191 Sunset Park 6.515385  
## 192 Theater District 12.802083  
## 193 Throgs Neck 1.916667  
## 194 Todt Hill 5.250000  
## 195 Tompkinsville 2.309524  
## 196 Tottenville 2.428571  
## 197 Tremont 2.363636  
## 198 Tribeca 11.378531  
## 199 Two Bridges 4.875000  
## 200 Unionport 2.428571  
## 201 University Heights 2.619048  
## 202 Upper East Side 9.206340  
## 203 Upper West Side 9.517504  
## 204 Van Nest 7.090909  
## 205 Vinegar Hill 18.352941  
## 206 Wakefield 3.320000  
## 207 Washington Heights 6.530590  
## 208 West Brighton 5.166667  
## 209 West Farms 1.500000  
## 210 West Village 7.781250  
## 211 Westchester Square 1.900000  
## 212 Westerleigh 2.500000  
## 213 Whitestone 1.909091  
## 214 Williamsbridge 5.875000  
## 215 Williamsburg 6.228316  
## 216 Willowbrook 4.000000  
## 217 Windsor Terrace 8.713376  
## 218 Woodhaven 2.795455  
## 219 Woodlawn 1.454545  
## 220 Woodrow 7.000000  
## 221 Woodside 10.314894

aggregate(Airbnb$minimum\_nights ~ Airbnb$neighbourhood, FUN = median)

## Airbnb$neighbourhood Airbnb$minimum\_nights  
## 1 Allerton 2.0  
## 2 Arden Heights 3.5  
## 3 Arrochar 2.0  
## 4 Arverne 2.0  
## 5 Astoria 2.0  
## 6 Bath Beach 2.0  
## 7 Battery Park City 2.0  
## 8 Bay Ridge 3.0  
## 9 Bay Terrace 3.0  
## 10 Bay Terrace, Staten Island 16.5  
## 11 Baychester 3.0  
## 12 Bayside 2.0  
## 13 Bayswater 2.0  
## 14 Bedford-Stuyvesant 2.0  
## 15 Belle Harbor 2.0  
## 16 Bellerose 2.0  
## 17 Belmont 2.0  
## 18 Bensonhurst 2.0  
## 19 Bergen Beach 3.5  
## 20 Boerum Hill 3.0  
## 21 Borough Park 1.0  
## 22 Breezy Point 1.0  
## 23 Briarwood 1.0  
## 24 Brighton Beach 1.0  
## 25 Bronxdale 2.0  
## 26 Brooklyn Heights 3.0  
## 27 Brownsville 2.0  
## 28 Bull's Head 5.5  
## 29 Bushwick 2.0  
## 30 Cambria Heights 2.0  
## 31 Canarsie 2.0  
## 32 Carroll Gardens 3.0  
## 33 Castle Hill 2.0  
## 34 Castleton Corners 2.5  
## 35 Chelsea 3.0  
## 36 Chinatown 3.0  
## 37 City Island 2.0  
## 38 Civic Center 3.0  
## 39 Claremont Village 3.0  
## 40 Clason Point 2.0  
## 41 Clifton 2.0  
## 42 Clinton Hill 3.0  
## 43 Co-op City 2.5  
## 44 Cobble Hill 3.0  
## 45 College Point 2.0  
## 46 Columbia St 3.0  
## 47 Concord 4.0  
## 48 Concourse 2.0  
## 49 Concourse Village 2.0  
## 50 Coney Island 2.0  
## 51 Corona 1.0  
## 52 Crown Heights 3.0  
## 53 Cypress Hills 2.0  
## 54 Ditmars Steinway 2.0  
## 55 Dongan Hills 2.0  
## 56 Douglaston 1.5  
## 57 Downtown Brooklyn 3.0  
## 58 DUMBO 3.0  
## 59 Dyker Heights 1.5  
## 60 East Elmhurst 1.0  
## 61 East Flatbush 2.0  
## 62 East Harlem 2.0  
## 63 East Morrisania 1.0  
## 64 East New York 2.0  
## 65 East Village 3.0  
## 66 Eastchester 2.0  
## 67 Edenwald 3.0  
## 68 Edgemere 3.0  
## 69 Elmhurst 2.0  
## 70 Eltingville 5.0  
## 71 Emerson Hill 2.0  
## 72 Far Rockaway 1.0  
## 73 Fieldston 1.5  
## 74 Financial District 3.0  
## 75 Flatbush 2.0  
## 76 Flatiron District 3.0  
## 77 Flatlands 2.0  
## 78 Flushing 1.0  
## 79 Fordham 2.0  
## 80 Forest Hills 2.0  
## 81 Fort Greene 3.0  
## 82 Fort Hamilton 3.0  
## 83 Fort Wadsworth 7.0  
## 84 Fresh Meadows 1.0  
## 85 Glendale 2.0  
## 86 Gowanus 2.0  
## 87 Gramercy 3.0  
## 88 Graniteville 3.0  
## 89 Grant City 3.0  
## 90 Gravesend 3.0  
## 91 Great Kills 3.0  
## 92 Greenpoint 3.0  
## 93 Greenwich Village 3.0  
## 94 Grymes Hill 1.0  
## 95 Harlem 2.0  
## 96 Hell's Kitchen 3.0  
## 97 Highbridge 2.0  
## 98 Hollis 2.0  
## 99 Holliswood 3.0  
## 100 Howard Beach 1.0  
## 101 Howland Hook 3.5  
## 102 Huguenot 2.0  
## 103 Hunts Point 9.0  
## 104 Inwood 3.0  
## 105 Jackson Heights 2.0  
## 106 Jamaica 1.0  
## 107 Jamaica Estates 1.0  
## 108 Jamaica Hills 1.5  
## 109 Kensington 2.0  
## 110 Kew Gardens 2.0  
## 111 Kew Gardens Hills 3.0  
## 112 Kingsbridge 2.0  
## 113 Kips Bay 3.0  
## 114 Laurelton 2.0  
## 115 Lighthouse Hill 2.0  
## 116 Little Italy 3.0  
## 117 Little Neck 1.0  
## 118 Long Island City 2.0  
## 119 Longwood 2.0  
## 120 Lower East Side 3.0  
## 121 Manhattan Beach 3.0  
## 122 Marble Hill 2.5  
## 123 Mariners Harbor 2.0  
## 124 Maspeth 2.0  
## 125 Melrose 2.0  
## 126 Middle Village 2.0  
## 127 Midland Beach 3.0  
## 128 Midtown 3.0  
## 129 Midwood 2.0  
## 130 Mill Basin 2.5  
## 131 Morningside Heights 3.0  
## 132 Morris Heights 2.0  
## 133 Morris Park 3.0  
## 134 Morrisania 2.0  
## 135 Mott Haven 2.0  
## 136 Mount Eden 2.0  
## 137 Mount Hope 2.0  
## 138 Murray Hill 5.0  
## 139 Navy Yard 2.0  
## 140 Neponsit 2.0  
## 141 New Brighton 3.0  
## 142 New Dorp 1.0  
## 143 New Dorp Beach 1.0  
## 144 New Springville 2.0  
## 145 NoHo 2.0  
## 146 Nolita 3.0  
## 147 North Riverdale 2.0  
## 148 Norwood 2.0  
## 149 Oakwood 1.0  
## 150 Olinville 1.5  
## 151 Ozone Park 2.0  
## 152 Park Slope 3.0  
## 153 Parkchester 2.0  
## 154 Pelham Bay 2.0  
## 155 Pelham Gardens 2.0  
## 156 Port Morris 2.0  
## 157 Port Richmond 1.0  
## 158 Prince's Bay 2.0  
## 159 Prospect-Lefferts Gardens 2.0  
## 160 Prospect Heights 3.0  
## 161 Queens Village 2.0  
## 162 Randall Manor 2.0  
## 163 Red Hook 2.0  
## 164 Rego Park 2.0  
## 165 Richmond Hill 2.0  
## 166 Richmondtown 3.0  
## 167 Ridgewood 3.0  
## 168 Riverdale 2.0  
## 169 Rockaway Beach 2.0  
## 170 Roosevelt Island 3.0  
## 171 Rosebank 2.0  
## 172 Rosedale 1.0  
## 173 Rossville 3.0  
## 174 Schuylerville 2.0  
## 175 Sea Gate 2.0  
## 176 Sheepshead Bay 2.0  
## 177 Shore Acres 3.0  
## 178 Silver Lake 2.5  
## 179 SoHo 3.0  
## 180 Soundview 2.0  
## 181 South Beach 2.0  
## 182 South Ozone Park 2.0  
## 183 South Slope 3.0  
## 184 Springfield Gardens 1.0  
## 185 Spuyten Duyvil 2.5  
## 186 St. Albans 2.0  
## 187 St. George 2.0  
## 188 Stapleton 1.0  
## 189 Stuyvesant Town 3.0  
## 190 Sunnyside 2.0  
## 191 Sunset Park 2.0  
## 192 Theater District 3.0  
## 193 Throgs Neck 2.0  
## 194 Todt Hill 2.5  
## 195 Tompkinsville 2.0  
## 196 Tottenville 2.0  
## 197 Tremont 2.0  
## 198 Tribeca 3.0  
## 199 Two Bridges 2.5  
## 200 Unionport 2.0  
## 201 University Heights 2.0  
## 202 Upper East Side 3.0  
## 203 Upper West Side 3.0  
## 204 Van Nest 3.0  
## 205 Vinegar Hill 3.0  
## 206 Wakefield 2.0  
## 207 Washington Heights 2.0  
## 208 West Brighton 2.0  
## 209 West Farms 1.5  
## 210 West Village 3.0  
## 211 Westchester Square 2.0  
## 212 Westerleigh 2.5  
## 213 Whitestone 1.0  
## 214 Williamsbridge 2.0  
## 215 Williamsburg 3.0  
## 216 Willowbrook 4.0  
## 217 Windsor Terrace 3.0  
## 218 Woodhaven 3.0  
## 219 Woodlawn 1.0  
## 220 Woodrow 7.0  
## 221 Woodside 2.0

aggregate(Airbnb$minimum\_nights ~ Airbnb$neighbourhood, FUN = max)

## Airbnb$neighbourhood Airbnb$minimum\_nights  
## 1 Allerton 7  
## 2 Arden Heights 30  
## 3 Arrochar 7  
## 4 Arverne 4  
## 5 Astoria 365  
## 6 Bath Beach 6  
## 7 Battery Park City 1000  
## 8 Bay Ridge 365  
## 9 Bay Terrace 3  
## 10 Bay Terrace, Staten Island 30  
## 11 Baychester 4  
## 12 Bayside 31  
## 13 Bayswater 30  
## 14 Bedford-Stuyvesant 400  
## 15 Belle Harbor 3  
## 16 Bellerose 3  
## 17 Belmont 30  
## 18 Bensonhurst 30  
## 19 Bergen Beach 30  
## 20 Boerum Hill 180  
## 21 Borough Park 30  
## 22 Breezy Point 1  
## 23 Briarwood 5  
## 24 Brighton Beach 60  
## 25 Bronxdale 7  
## 26 Brooklyn Heights 180  
## 27 Brownsville 14  
## 28 Bull's Head 30  
## 29 Bushwick 370  
## 30 Cambria Heights 7  
## 31 Canarsie 7  
## 32 Carroll Gardens 59  
## 33 Castle Hill 3  
## 34 Castleton Corners 30  
## 35 Chelsea 365  
## 36 Chinatown 180  
## 37 City Island 7  
## 38 Civic Center 90  
## 39 Claremont Village 90  
## 40 Clason Point 7  
## 41 Clifton 5  
## 42 Clinton Hill 365  
## 43 Co-op City 3  
## 44 Cobble Hill 60  
## 45 College Point 30  
## 46 Columbia St 30  
## 47 Concord 30  
## 48 Concourse 30  
## 49 Concourse Village 30  
## 50 Coney Island 21  
## 51 Corona 16  
## 52 Crown Heights 500  
## 53 Cypress Hills 90  
## 54 Ditmars Steinway 85  
## 55 Dongan Hills 4  
## 56 Douglaston 5  
## 57 Downtown Brooklyn 75  
## 58 DUMBO 30  
## 59 Dyker Heights 7  
## 60 East Elmhurst 60  
## 61 East Flatbush 100  
## 62 East Harlem 365  
## 63 East Morrisania 2  
## 64 East New York 180  
## 65 East Village 365  
## 66 Eastchester 2  
## 67 Edenwald 15  
## 68 Edgemere 30  
## 69 Elmhurst 60  
## 70 Eltingville 10  
## 71 Emerson Hill 2  
## 72 Far Rockaway 30  
## 73 Fieldston 14  
## 74 Financial District 365  
## 75 Flatbush 180  
## 76 Flatiron District 45  
## 77 Flatlands 16  
## 78 Flushing 30  
## 79 Fordham 90  
## 80 Forest Hills 365  
## 81 Fort Greene 225  
## 82 Fort Hamilton 30  
## 83 Fort Wadsworth 7  
## 84 Fresh Meadows 7  
## 85 Glendale 30  
## 86 Gowanus 60  
## 87 Gramercy 365  
## 88 Graniteville 4  
## 89 Grant City 21  
## 90 Gravesend 60  
## 91 Great Kills 30  
## 92 Greenpoint 365  
## 93 Greenwich Village 1250  
## 94 Grymes Hill 5  
## 95 Harlem 999  
## 96 Hell's Kitchen 365  
## 97 Highbridge 40  
## 98 Hollis 5  
## 99 Holliswood 3  
## 100 Howard Beach 30  
## 101 Howland Hook 4  
## 102 Huguenot 2  
## 103 Hunts Point 30  
## 104 Inwood 160  
## 105 Jackson Heights 62  
## 106 Jamaica 30  
## 107 Jamaica Estates 7  
## 108 Jamaica Hills 3  
## 109 Kensington 500  
## 110 Kew Gardens 90  
## 111 Kew Gardens Hills 13  
## 112 Kingsbridge 30  
## 113 Kips Bay 365  
## 114 Laurelton 15  
## 115 Lighthouse Hill 2  
## 116 Little Italy 240  
## 117 Little Neck 3  
## 118 Long Island City 500  
## 119 Longwood 20  
## 120 Lower East Side 100  
## 121 Manhattan Beach 30  
## 122 Marble Hill 5  
## 123 Mariners Harbor 5  
## 124 Maspeth 31  
## 125 Melrose 7  
## 126 Middle Village 31  
## 127 Midland Beach 5  
## 128 Midtown 366  
## 129 Midwood 354  
## 130 Mill Basin 3  
## 131 Morningside Heights 60  
## 132 Morris Heights 4  
## 133 Morris Park 5  
## 134 Morrisania 7  
## 135 Mott Haven 10  
## 136 Mount Eden 2  
## 137 Mount Hope 91  
## 138 Murray Hill 300  
## 139 Navy Yard 21  
## 140 Neponsit 2  
## 141 New Brighton 30  
## 142 New Dorp 1  
## 143 New Dorp Beach 5  
## 144 New Springville 10  
## 145 NoHo 30  
## 146 Nolita 198  
## 147 North Riverdale 365  
## 148 Norwood 30  
## 149 Oakwood 2  
## 150 Olinville 90  
## 151 Ozone Park 15  
## 152 Park Slope 365  
## 153 Parkchester 93  
## 154 Pelham Bay 7  
## 155 Pelham Gardens 20  
## 156 Port Morris 30  
## 157 Port Richmond 31  
## 158 Prince's Bay 14  
## 159 Prospect-Lefferts Gardens 120  
## 160 Prospect Heights 180  
## 161 Queens Village 30  
## 162 Randall Manor 10  
## 163 Red Hook 43  
## 164 Rego Park 210  
## 165 Richmond Hill 180  
## 166 Richmondtown 3  
## 167 Ridgewood 180  
## 168 Riverdale 30  
## 169 Rockaway Beach 30  
## 170 Roosevelt Island 90  
## 171 Rosebank 5  
## 172 Rosedale 40  
## 173 Rossville 3  
## 174 Schuylerville 4  
## 175 Sea Gate 10  
## 176 Sheepshead Bay 180  
## 177 Shore Acres 6  
## 178 Silver Lake 3  
## 179 SoHo 180  
## 180 Soundview 7  
## 181 South Beach 4  
## 182 South Ozone Park 15  
## 183 South Slope 150  
## 184 Springfield Gardens 30  
## 185 Spuyten Duyvil 186  
## 186 St. Albans 5  
## 187 St. George 365  
## 188 Stapleton 30  
## 189 Stuyvesant Town 60  
## 190 Sunnyside 90  
## 191 Sunset Park 365  
## 192 Theater District 120  
## 193 Throgs Neck 4  
## 194 Todt Hill 14  
## 195 Tompkinsville 7  
## 196 Tottenville 4  
## 197 Tremont 7  
## 198 Tribeca 180  
## 199 Two Bridges 120  
## 200 Unionport 7  
## 201 University Heights 7  
## 202 Upper East Side 365  
## 203 Upper West Side 300  
## 204 Van Nest 30  
## 205 Vinegar Hill 360  
## 206 Wakefield 30  
## 207 Washington Heights 365  
## 208 West Brighton 33  
## 209 West Farms 2  
## 210 West Village 365  
## 211 Westchester Square 4  
## 212 Westerleigh 3  
## 213 Whitestone 7  
## 214 Williamsbridge 30  
## 215 Williamsburg 999  
## 216 Willowbrook 4  
## 217 Windsor Terrace 300  
## 218 Woodhaven 9  
## 219 Woodlawn 2  
## 220 Woodrow 7  
## 221 Woodside 37

aggregate(Airbnb$minimum\_nights ~ Airbnb$neighbourhood, FUN = min)

## Airbnb$neighbourhood Airbnb$minimum\_nights  
## 1 Allerton 1  
## 2 Arden Heights 1  
## 3 Arrochar 1  
## 4 Arverne 1  
## 5 Astoria 1  
## 6 Bath Beach 1  
## 7 Battery Park City 1  
## 8 Bay Ridge 1  
## 9 Bay Terrace 1  
## 10 Bay Terrace, Staten Island 3  
## 11 Baychester 1  
## 12 Bayside 1  
## 13 Bayswater 1  
## 14 Bedford-Stuyvesant 1  
## 15 Belle Harbor 1  
## 16 Bellerose 1  
## 17 Belmont 1  
## 18 Bensonhurst 1  
## 19 Bergen Beach 2  
## 20 Boerum Hill 1  
## 21 Borough Park 1  
## 22 Breezy Point 1  
## 23 Briarwood 1  
## 24 Brighton Beach 1  
## 25 Bronxdale 1  
## 26 Brooklyn Heights 1  
## 27 Brownsville 1  
## 28 Bull's Head 1  
## 29 Bushwick 1  
## 30 Cambria Heights 1  
## 31 Canarsie 1  
## 32 Carroll Gardens 1  
## 33 Castle Hill 2  
## 34 Castleton Corners 1  
## 35 Chelsea 1  
## 36 Chinatown 1  
## 37 City Island 1  
## 38 Civic Center 1  
## 39 Claremont Village 1  
## 40 Clason Point 1  
## 41 Clifton 1  
## 42 Clinton Hill 1  
## 43 Co-op City 2  
## 44 Cobble Hill 1  
## 45 College Point 1  
## 46 Columbia St 1  
## 47 Concord 1  
## 48 Concourse 1  
## 49 Concourse Village 1  
## 50 Coney Island 1  
## 51 Corona 1  
## 52 Crown Heights 1  
## 53 Cypress Hills 1  
## 54 Ditmars Steinway 1  
## 55 Dongan Hills 1  
## 56 Douglaston 1  
## 57 Downtown Brooklyn 1  
## 58 DUMBO 1  
## 59 Dyker Heights 1  
## 60 East Elmhurst 1  
## 61 East Flatbush 1  
## 62 East Harlem 1  
## 63 East Morrisania 1  
## 64 East New York 1  
## 65 East Village 1  
## 66 Eastchester 1  
## 67 Edenwald 1  
## 68 Edgemere 1  
## 69 Elmhurst 1  
## 70 Eltingville 1  
## 71 Emerson Hill 1  
## 72 Far Rockaway 1  
## 73 Fieldston 1  
## 74 Financial District 1  
## 75 Flatbush 1  
## 76 Flatiron District 1  
## 77 Flatlands 1  
## 78 Flushing 1  
## 79 Fordham 1  
## 80 Forest Hills 1  
## 81 Fort Greene 1  
## 82 Fort Hamilton 1  
## 83 Fort Wadsworth 7  
## 84 Fresh Meadows 1  
## 85 Glendale 1  
## 86 Gowanus 1  
## 87 Gramercy 1  
## 88 Graniteville 1  
## 89 Grant City 3  
## 90 Gravesend 1  
## 91 Great Kills 1  
## 92 Greenpoint 1  
## 93 Greenwich Village 1  
## 94 Grymes Hill 1  
## 95 Harlem 1  
## 96 Hell's Kitchen 1  
## 97 Highbridge 1  
## 98 Hollis 1  
## 99 Holliswood 1  
## 100 Howard Beach 1  
## 101 Howland Hook 3  
## 102 Huguenot 1  
## 103 Hunts Point 1  
## 104 Inwood 1  
## 105 Jackson Heights 1  
## 106 Jamaica 1  
## 107 Jamaica Estates 1  
## 108 Jamaica Hills 1  
## 109 Kensington 1  
## 110 Kew Gardens 1  
## 111 Kew Gardens Hills 1  
## 112 Kingsbridge 1  
## 113 Kips Bay 1  
## 114 Laurelton 1  
## 115 Lighthouse Hill 2  
## 116 Little Italy 1  
## 117 Little Neck 1  
## 118 Long Island City 1  
## 119 Longwood 1  
## 120 Lower East Side 1  
## 121 Manhattan Beach 1  
## 122 Marble Hill 1  
## 123 Mariners Harbor 1  
## 124 Maspeth 1  
## 125 Melrose 1  
## 126 Middle Village 1  
## 127 Midland Beach 1  
## 128 Midtown 1  
## 129 Midwood 1  
## 130 Mill Basin 1  
## 131 Morningside Heights 1  
## 132 Morris Heights 1  
## 133 Morris Park 1  
## 134 Morrisania 1  
## 135 Mott Haven 1  
## 136 Mount Eden 1  
## 137 Mount Hope 1  
## 138 Murray Hill 1  
## 139 Navy Yard 1  
## 140 Neponsit 2  
## 141 New Brighton 1  
## 142 New Dorp 1  
## 143 New Dorp Beach 1  
## 144 New Springville 1  
## 145 NoHo 1  
## 146 Nolita 1  
## 147 North Riverdale 1  
## 148 Norwood 1  
## 149 Oakwood 1  
## 150 Olinville 1  
## 151 Ozone Park 1  
## 152 Park Slope 1  
## 153 Parkchester 1  
## 154 Pelham Bay 1  
## 155 Pelham Gardens 1  
## 156 Port Morris 1  
## 157 Port Richmond 1  
## 158 Prince's Bay 1  
## 159 Prospect-Lefferts Gardens 1  
## 160 Prospect Heights 1  
## 161 Queens Village 1  
## 162 Randall Manor 1  
## 163 Red Hook 1  
## 164 Rego Park 1  
## 165 Richmond Hill 1  
## 166 Richmondtown 3  
## 167 Ridgewood 1  
## 168 Riverdale 1  
## 169 Rockaway Beach 1  
## 170 Roosevelt Island 1  
## 171 Rosebank 1  
## 172 Rosedale 1  
## 173 Rossville 3  
## 174 Schuylerville 1  
## 175 Sea Gate 1  
## 176 Sheepshead Bay 1  
## 177 Shore Acres 1  
## 178 Silver Lake 2  
## 179 SoHo 1  
## 180 Soundview 1  
## 181 South Beach 1  
## 182 South Ozone Park 1  
## 183 South Slope 1  
## 184 Springfield Gardens 1  
## 185 Spuyten Duyvil 2  
## 186 St. Albans 1  
## 187 St. George 1  
## 188 Stapleton 1  
## 189 Stuyvesant Town 1  
## 190 Sunnyside 1  
## 191 Sunset Park 1  
## 192 Theater District 1  
## 193 Throgs Neck 1  
## 194 Todt Hill 2  
## 195 Tompkinsville 1  
## 196 Tottenville 1  
## 197 Tremont 1  
## 198 Tribeca 1  
## 199 Two Bridges 1  
## 200 Unionport 1  
## 201 University Heights 1  
## 202 Upper East Side 1  
## 203 Upper West Side 1  
## 204 Van Nest 1  
## 205 Vinegar Hill 1  
## 206 Wakefield 1  
## 207 Washington Heights 1  
## 208 West Brighton 1  
## 209 West Farms 1  
## 210 West Village 1  
## 211 Westchester Square 1  
## 212 Westerleigh 2  
## 213 Whitestone 1  
## 214 Williamsbridge 1  
## 215 Williamsburg 1  
## 216 Willowbrook 4  
## 217 Windsor Terrace 1  
## 218 Woodhaven 1  
## 219 Woodlawn 1  
## 220 Woodrow 7  
## 221 Woodside 1

aggregate(Airbnb$number\_of\_reviews ~ Airbnb$neighbourhood\_group, FUN = mean)

## Airbnb$neighbourhood\_group Airbnb$number\_of\_reviews  
## 1 Bronx 26.00458  
## 2 Brooklyn 24.20285  
## 3 Manhattan 20.98560  
## 4 Queens 27.70032  
## 5 Staten Island 30.94102

aggregate(Airbnb$number\_of\_reviews ~ Airbnb$neighbourhood\_group, FUN = median)

## Airbnb$neighbourhood\_group Airbnb$number\_of\_reviews  
## 1 Bronx 9  
## 2 Brooklyn 6  
## 3 Manhattan 4  
## 4 Queens 7  
## 5 Staten Island 12

aggregate(Airbnb$number\_of\_reviews ~ Airbnb$neighbourhood\_group, FUN = max)

## Airbnb$neighbourhood\_group Airbnb$number\_of\_reviews  
## 1 Bronx 321  
## 2 Brooklyn 488  
## 3 Manhattan 607  
## 4 Queens 629  
## 5 Staten Island 333

aggregate(Airbnb$number\_of\_reviews ~ Airbnb$neighbourhood\_group, FUN = min)

## Airbnb$neighbourhood\_group Airbnb$number\_of\_reviews  
## 1 Bronx 0  
## 2 Brooklyn 0  
## 3 Manhattan 0  
## 4 Queens 0  
## 5 Staten Island 0

aggregate(Airbnb$number\_of\_reviews ~ Airbnb$neighbourhood, FUN = mean)

## Airbnb$neighbourhood Airbnb$number\_of\_reviews  
## 1 Allerton 42.928571  
## 2 Arden Heights 7.750000  
## 3 Arrochar 14.619048  
## 4 Arverne 29.259740  
## 5 Astoria 21.455556  
## 6 Bath Beach 21.352941  
## 7 Battery Park City 8.285714  
## 8 Bay Ridge 18.567376  
## 9 Bay Terrace 41.500000  
## 10 Bay Terrace, Staten Island 1.500000  
## 11 Baychester 44.285714  
## 12 Bayside 23.794872  
## 13 Bayswater 11.235294  
## 14 Bedford-Stuyvesant 29.712439  
## 15 Belle Harbor 9.250000  
## 16 Bellerose 8.428571  
## 17 Belmont 12.333333  
## 18 Bensonhurst 24.600000  
## 19 Bergen Beach 20.500000  
## 20 Boerum Hill 24.265537  
## 21 Borough Park 16.411765  
## 22 Breezy Point 1.666667  
## 23 Briarwood 22.267857  
## 24 Brighton Beach 17.960000  
## 25 Bronxdale 24.105263  
## 26 Brooklyn Heights 16.590909  
## 27 Brownsville 31.344262  
## 28 Bull's Head 15.333333  
## 29 Bushwick 21.303854  
## 30 Cambria Heights 18.653846  
## 31 Canarsie 36.312925  
## 32 Carroll Gardens 25.309013  
## 33 Castle Hill 13.111111  
## 34 Castleton Corners 25.250000  
## 35 Chelsea 21.240791  
## 36 Chinatown 27.013587  
## 37 City Island 42.166667  
## 38 Civic Center 12.250000  
## 39 Claremont Village 12.500000  
## 40 Clason Point 15.047619  
## 41 Clifton 47.200000  
## 42 Clinton Hill 25.500000  
## 43 Co-op City 17.000000  
## 44 Cobble Hill 29.171717  
## 45 College Point 23.105263  
## 46 Columbia St 16.309524  
## 47 Concord 24.923077  
## 48 Concourse 32.860000  
## 49 Concourse Village 25.218750  
## 50 Coney Island 21.941176  
## 51 Corona 28.218750  
## 52 Crown Heights 23.278772  
## 53 Cypress Hills 33.200000  
## 54 Ditmars Steinway 25.411003  
## 55 Dongan Hills 22.571429  
## 56 Douglaston 20.875000  
## 57 Downtown Brooklyn 14.313253  
## 58 DUMBO 38.388889  
## 59 Dyker Heights 34.583333  
## 60 East Elmhurst 81.659459  
## 61 East Flatbush 24.896000  
## 62 East Harlem 32.628469  
## 63 East Morrisania 48.000000  
## 64 East New York 31.004587  
## 65 East Village 24.106854  
## 66 Eastchester 12.076923  
## 67 Edenwald 15.384615  
## 68 Edgemere 10.272727  
## 69 Elmhurst 23.434599  
## 70 Eltingville 76.000000  
## 71 Emerson Hill 11.200000  
## 72 Far Rockaway 12.896552  
## 73 Fieldston 12.166667  
## 74 Financial District 9.315860  
## 75 Flatbush 20.590982  
## 76 Flatiron District 17.737500  
## 77 Flatlands 22.156627  
## 78 Flushing 34.784038  
## 79 Fordham 15.174603  
## 80 Forest Hills 22.291667  
## 81 Fort Greene 21.693252  
## 82 Fort Hamilton 13.545455  
## 83 Fort Wadsworth 0.000000  
## 84 Fresh Meadows 32.656250  
## 85 Glendale 27.018519  
## 86 Gowanus 31.210526  
## 87 Gramercy 22.727811  
## 88 Graniteville 41.000000  
## 89 Grant City 26.833333  
## 90 Gravesend 19.647059  
## 91 Great Kills 26.400000  
## 92 Greenpoint 17.425112  
## 93 Greenwich Village 16.647959  
## 94 Grymes Hill 10.571429  
## 95 Harlem 28.578631  
## 96 Hell's Kitchen 25.652196  
## 97 Highbridge 48.814815  
## 98 Hollis 11.714286  
## 99 Holliswood 3.750000  
## 100 Howard Beach 13.600000  
## 101 Howland Hook 20.500000  
## 102 Huguenot 55.666667  
## 103 Hunts Point 9.777778  
## 104 Inwood 18.611111  
## 105 Jackson Heights 27.209677  
## 106 Jamaica 42.900433  
## 107 Jamaica Estates 31.368421  
## 108 Jamaica Hills 8.625000  
## 109 Kensington 16.982857  
## 110 Kew Gardens 10.375000  
## 111 Kew Gardens Hills 12.730769  
## 112 Kingsbridge 20.500000  
## 113 Kips Bay 12.419149  
## 114 Laurelton 29.333333  
## 115 Lighthouse Hill 39.000000  
## 116 Little Italy 23.132231  
## 117 Little Neck 3.800000  
## 118 Long Island City 22.823091  
## 119 Longwood 26.661290  
## 120 Lower East Side 26.521405  
## 121 Manhattan Beach 50.625000  
## 122 Marble Hill 14.000000  
## 123 Mariners Harbor 21.625000  
## 124 Maspeth 22.636364  
## 125 Melrose 9.000000  
## 126 Middle Village 34.032258  
## 127 Midland Beach 6.166667  
## 128 Midtown 12.585113  
## 129 Midwood 15.183486  
## 130 Mill Basin 17.250000  
## 131 Morningside Heights 13.291908  
## 132 Morris Heights 27.352941  
## 133 Morris Park 18.066667  
## 134 Morrisania 10.333333  
## 135 Mott Haven 42.366667  
## 136 Mount Eden 70.000000  
## 137 Mount Hope 21.750000  
## 138 Murray Hill 9.350515  
## 139 Navy Yard 17.928571  
## 140 Neponsit 15.333333  
## 141 New Brighton 40.200000  
## 142 New Dorp 0.000000  
## 143 New Dorp Beach 14.800000  
## 144 New Springville 29.375000  
## 145 NoHo 12.743590  
## 146 Nolita 22.268775  
## 147 North Riverdale 18.200000  
## 148 Norwood 16.741935  
## 149 Oakwood 1.800000  
## 150 Olinville 7.500000  
## 151 Ozone Park 24.387097  
## 152 Park Slope 28.928854  
## 153 Parkchester 23.358974  
## 154 Pelham Bay 26.000000  
## 155 Pelham Gardens 40.714286  
## 156 Port Morris 20.608696  
## 157 Port Richmond 17.000000  
## 158 Prince's Bay 5.750000  
## 159 Prospect-Lefferts Gardens 26.263551  
## 160 Prospect Heights 30.462185  
## 161 Queens Village 35.783333  
## 162 Randall Manor 18.000000  
## 163 Red Hook 28.645570  
## 164 Rego Park 25.981132  
## 165 Richmond Hill 34.361702  
## 166 Richmondtown 79.000000  
## 167 Ridgewood 18.387707  
## 168 Riverdale 26.636364  
## 169 Rockaway Beach 24.250000  
## 170 Roosevelt Island 15.766234  
## 171 Rosebank 30.714286  
## 172 Rosedale 28.355932  
## 173 Rossville 21.000000  
## 174 Schuylerville 32.538462  
## 175 Sea Gate 1.428571  
## 176 Sheepshead Bay 19.890244  
## 177 Shore Acres 20.857143  
## 178 Silver Lake 118.500000  
## 179 SoHo 20.209497  
## 180 Soundview 29.400000  
## 181 South Beach 11.875000  
## 182 South Ozone Park 48.675000  
## 183 South Slope 36.637324  
## 184 Springfield Gardens 69.094118  
## 185 Spuyten Duyvil 17.500000  
## 186 St. Albans 34.000000  
## 187 St. George 41.395833  
## 188 Stapleton 38.370370  
## 189 Stuyvesant Town 8.162162  
## 190 Sunnyside 22.231405  
## 191 Sunset Park 20.210256  
## 192 Theater District 15.076389  
## 193 Throgs Neck 32.041667  
## 194 Todt Hill 4.000000  
## 195 Tompkinsville 57.142857  
## 196 Tottenville 19.857143  
## 197 Tremont 20.636364  
## 198 Tribeca 11.491525  
## 199 Two Bridges 29.569444  
## 200 Unionport 14.857143  
## 201 University Heights 37.095238  
## 202 Upper East Side 17.622914  
## 203 Upper West Side 18.294267  
## 204 Van Nest 18.727273  
## 205 Vinegar Hill 16.029412  
## 206 Wakefield 25.580000  
## 207 Washington Heights 19.088988  
## 208 West Brighton 36.444444  
## 209 West Farms 3.500000  
## 210 West Village 19.381510  
## 211 Westchester Square 15.500000  
## 212 Westerleigh 9.000000  
## 213 Whitestone 22.636364  
## 214 Williamsbridge 28.450000  
## 215 Williamsburg 21.792602  
## 216 Willowbrook 9.000000  
## 217 Windsor Terrace 27.541401  
## 218 Woodhaven 31.727273  
## 219 Woodlawn 44.000000  
## 220 Woodrow 0.000000  
## 221 Woodside 21.425532

aggregate(Airbnb$number\_of\_reviews ~ Airbnb$neighbourhood, FUN = median)

## Airbnb$neighbourhood Airbnb$number\_of\_reviews  
## 1 Allerton 27.0  
## 2 Arden Heights 5.0  
## 3 Arrochar 11.0  
## 4 Arverne 15.0  
## 5 Astoria 5.0  
## 6 Bath Beach 17.0  
## 7 Battery Park City 1.0  
## 8 Bay Ridge 5.0  
## 9 Bay Terrace 7.0  
## 10 Bay Terrace, Staten Island 1.5  
## 11 Baychester 11.0  
## 12 Bayside 11.0  
## 13 Bayswater 4.0  
## 14 Bedford-Stuyvesant 8.0  
## 15 Belle Harbor 1.5  
## 16 Bellerose 2.0  
## 17 Belmont 4.5  
## 18 Bensonhurst 12.0  
## 19 Bergen Beach 22.5  
## 20 Boerum Hill 6.0  
## 21 Borough Park 5.0  
## 22 Breezy Point 1.0  
## 23 Briarwood 10.0  
## 24 Brighton Beach 5.0  
## 25 Bronxdale 14.0  
## 26 Brooklyn Heights 4.0  
## 27 Brownsville 11.0  
## 28 Bull's Head 14.5  
## 29 Bushwick 4.0  
## 30 Cambria Heights 2.0  
## 31 Canarsie 17.0  
## 32 Carroll Gardens 6.0  
## 33 Castle Hill 0.0  
## 34 Castleton Corners 24.5  
## 35 Chelsea 3.0  
## 36 Chinatown 8.0  
## 37 City Island 24.0  
## 38 Civic Center 2.5  
## 39 Claremont Village 3.0  
## 40 Clason Point 5.0  
## 41 Clifton 8.0  
## 42 Clinton Hill 5.0  
## 43 Co-op City 17.0  
## 44 Cobble Hill 8.0  
## 45 College Point 13.0  
## 46 Columbia St 7.5  
## 47 Concord 24.5  
## 48 Concourse 14.0  
## 49 Concourse Village 4.5  
## 50 Coney Island 2.0  
## 51 Corona 16.0  
## 52 Crown Heights 6.0  
## 53 Cypress Hills 15.0  
## 54 Ditmars Steinway 6.0  
## 55 Dongan Hills 12.0  
## 56 Douglaston 16.5  
## 57 Downtown Brooklyn 2.0  
## 58 DUMBO 2.5  
## 59 Dyker Heights 37.0  
## 60 East Elmhurst 25.0  
## 61 East Flatbush 8.0  
## 62 East Harlem 9.0  
## 63 East Morrisania 40.5  
## 64 East New York 15.0  
## 65 East Village 5.0  
## 66 Eastchester 5.0  
## 67 Edenwald 8.0  
## 68 Edgemere 2.0  
## 69 Elmhurst 6.0  
## 70 Eltingville 83.0  
## 71 Emerson Hill 2.0  
## 72 Far Rockaway 5.0  
## 73 Fieldston 8.0  
## 74 Financial District 2.0  
## 75 Flatbush 5.0  
## 76 Flatiron District 4.0  
## 77 Flatlands 8.0  
## 78 Flushing 19.0  
## 79 Fordham 3.0  
## 80 Forest Hills 9.0  
## 81 Fort Greene 5.0  
## 82 Fort Hamilton 4.0  
## 83 Fort Wadsworth 0.0  
## 84 Fresh Meadows 19.0  
## 85 Glendale 10.0  
## 86 Gowanus 9.0  
## 87 Gramercy 5.5  
## 88 Graniteville 36.0  
## 89 Grant City 6.0  
## 90 Gravesend 1.5  
## 91 Great Kills 9.0  
## 92 Greenpoint 4.0  
## 93 Greenwich Village 4.0  
## 94 Grymes Hill 1.0  
## 95 Harlem 8.0  
## 96 Hell's Kitchen 5.0  
## 97 Highbridge 32.0  
## 98 Hollis 5.5  
## 99 Holliswood 2.0  
## 100 Howard Beach 2.5  
## 101 Howland Hook 20.5  
## 102 Huguenot 20.0  
## 103 Hunts Point 7.0  
## 104 Inwood 4.0  
## 105 Jackson Heights 8.5  
## 106 Jamaica 13.0  
## 107 Jamaica Estates 13.0  
## 108 Jamaica Hills 6.0  
## 109 Kensington 4.0  
## 110 Kew Gardens 4.0  
## 111 Kew Gardens Hills 4.5  
## 112 Kingsbridge 8.0  
## 113 Kips Bay 2.0  
## 114 Laurelton 11.0  
## 115 Lighthouse Hill 39.0  
## 116 Little Italy 4.0  
## 117 Little Neck 1.0  
## 118 Long Island City 5.0  
## 119 Longwood 8.0  
## 120 Lower East Side 6.0  
## 121 Manhattan Beach 50.0  
## 122 Marble Hill 2.5  
## 123 Mariners Harbor 9.0  
## 124 Maspeth 7.5  
## 125 Melrose 2.0  
## 126 Middle Village 21.0  
## 127 Midland Beach 4.5  
## 128 Midtown 2.0  
## 129 Midwood 3.0  
## 130 Mill Basin 15.0  
## 131 Morningside Heights 2.0  
## 132 Morris Heights 9.0  
## 133 Morris Park 6.0  
## 134 Morrisania 0.0  
## 135 Mott Haven 22.0  
## 136 Mount Eden 7.5  
## 137 Mount Hope 10.5  
## 138 Murray Hill 1.0  
## 139 Navy Yard 6.0  
## 140 Neponsit 7.0  
## 141 New Brighton 8.0  
## 142 New Dorp 0.0  
## 143 New Dorp Beach 0.0  
## 144 New Springville 14.0  
## 145 NoHo 3.5  
## 146 Nolita 7.0  
## 147 North Riverdale 1.0  
## 148 Norwood 6.0  
## 149 Oakwood 1.0  
## 150 Olinville 5.0  
## 151 Ozone Park 5.0  
## 152 Park Slope 7.0  
## 153 Parkchester 10.0  
## 154 Pelham Bay 8.0  
## 155 Pelham Gardens 38.5  
## 156 Port Morris 8.0  
## 157 Port Richmond 13.0  
## 158 Prince's Bay 4.0  
## 159 Prospect-Lefferts Gardens 8.0  
## 160 Prospect Heights 8.0  
## 161 Queens Village 17.0  
## 162 Randall Manor 9.0  
## 163 Red Hook 8.0  
## 164 Rego Park 11.0  
## 165 Richmond Hill 13.5  
## 166 Richmondtown 79.0  
## 167 Ridgewood 3.0  
## 168 Riverdale 2.0  
## 169 Rockaway Beach 13.5  
## 170 Roosevelt Island 2.0  
## 171 Rosebank 19.0  
## 172 Rosedale 12.0  
## 173 Rossville 21.0  
## 174 Schuylerville 22.0  
## 175 Sea Gate 1.0  
## 176 Sheepshead Bay 5.0  
## 177 Shore Acres 0.0  
## 178 Silver Lake 118.5  
## 179 SoHo 5.0  
## 180 Soundview 19.0  
## 181 South Beach 8.0  
## 182 South Ozone Park 19.5  
## 183 South Slope 7.5  
## 184 Springfield Gardens 17.0  
## 185 Spuyten Duyvil 8.0  
## 186 St. Albans 18.0  
## 187 St. George 11.0  
## 188 Stapleton 21.0  
## 189 Stuyvesant Town 1.0  
## 190 Sunnyside 5.0  
## 191 Sunset Park 7.0  
## 192 Theater District 1.0  
## 193 Throgs Neck 12.0  
## 194 Todt Hill 4.0  
## 195 Tompkinsville 27.5  
## 196 Tottenville 1.0  
## 197 Tremont 17.0  
## 198 Tribeca 2.0  
## 199 Two Bridges 9.0  
## 200 Unionport 1.0  
## 201 University Heights 12.0  
## 202 Upper East Side 4.0  
## 203 Upper West Side 4.0  
## 204 Van Nest 3.0  
## 205 Vinegar Hill 2.0  
## 206 Wakefield 11.0  
## 207 Washington Heights 5.0  
## 208 West Brighton 27.0  
## 209 West Farms 3.5  
## 210 West Village 5.0  
## 211 Westchester Square 5.5  
## 212 Westerleigh 9.0  
## 213 Whitestone 9.0  
## 214 Williamsbridge 9.5  
## 215 Williamsburg 5.0  
## 216 Willowbrook 9.0  
## 217 Windsor Terrace 7.0  
## 218 Woodhaven 8.0  
## 219 Woodlawn 7.0  
## 220 Woodrow 0.0  
## 221 Woodside 3.0

aggregate(Airbnb$number\_of\_reviews ~ Airbnb$neighbourhood, FUN = max)

## Airbnb$neighbourhood Airbnb$number\_of\_reviews  
## 1 Allerton 271  
## 2 Arden Heights 20  
## 3 Arrochar 52  
## 4 Arverne 201  
## 5 Astoria 441  
## 6 Bath Beach 51  
## 7 Battery Park City 205  
## 8 Bay Ridge 213  
## 9 Bay Terrace 146  
## 10 Bay Terrace, Staten Island 2  
## 11 Baychester 206  
## 12 Bayside 123  
## 13 Bayswater 81  
## 14 Bedford-Stuyvesant 397  
## 15 Belle Harbor 35  
## 16 Bellerose 39  
## 17 Belmont 71  
## 18 Bensonhurst 287  
## 19 Bergen Beach 41  
## 20 Boerum Hill 241  
## 21 Borough Park 162  
## 22 Breezy Point 4  
## 23 Briarwood 104  
## 24 Brighton Beach 127  
## 25 Bronxdale 114  
## 26 Brooklyn Heights 199  
## 27 Brownsville 158  
## 28 Bull's Head 34  
## 29 Bushwick 480  
## 30 Cambria Heights 90  
## 31 Canarsie 214  
## 32 Carroll Gardens 279  
## 33 Castle Hill 86  
## 34 Castleton Corners 52  
## 35 Chelsea 375  
## 36 Chinatown 318  
## 37 City Island 227  
## 38 Civic Center 319  
## 39 Claremont Village 59  
## 40 Clason Point 95  
## 41 Clifton 242  
## 42 Clinton Hill 426  
## 43 Co-op City 32  
## 44 Cobble Hill 254  
## 45 College Point 92  
## 46 Columbia St 118  
## 47 Concord 73  
## 48 Concourse 235  
## 49 Concourse Village 258  
## 50 Coney Island 76  
## 51 Corona 166  
## 52 Crown Heights 349  
## 53 Cypress Hills 319  
## 54 Ditmars Steinway 268  
## 55 Dongan Hills 63  
## 56 Douglaston 49  
## 57 Downtown Brooklyn 131  
## 58 DUMBO 236  
## 59 Dyker Heights 69  
## 60 East Elmhurst 543  
## 61 East Flatbush 356  
## 62 East Harlem 325  
## 63 East Morrisania 142  
## 64 East New York 209  
## 65 East Village 451  
## 66 Eastchester 41  
## 67 Edenwald 59  
## 68 Edgemere 76  
## 69 Elmhurst 188  
## 70 Eltingville 145  
## 71 Emerson Hill 43  
## 72 Far Rockaway 66  
## 73 Fieldston 35  
## 74 Financial District 285  
## 75 Flatbush 219  
## 76 Flatiron District 177  
## 77 Flatlands 219  
## 78 Flushing 474  
## 79 Fordham 101  
## 80 Forest Hills 153  
## 81 Fort Greene 273  
## 82 Fort Hamilton 116  
## 83 Fort Wadsworth 0  
## 84 Fresh Meadows 142  
## 85 Glendale 132  
## 86 Gowanus 378  
## 87 Gramercy 323  
## 88 Graniteville 80  
## 89 Grant City 81  
## 90 Gravesend 224  
## 91 Great Kills 82  
## 92 Greenpoint 328  
## 93 Greenwich Village 209  
## 94 Grymes Hill 69  
## 95 Harlem 607  
## 96 Hell's Kitchen 430  
## 97 Highbridge 219  
## 98 Hollis 44  
## 99 Holliswood 11  
## 100 Howard Beach 83  
## 101 Howland Hook 21  
## 102 Huguenot 136  
## 103 Hunts Point 36  
## 104 Inwood 261  
## 105 Jackson Heights 204  
## 106 Jamaica 629  
## 107 Jamaica Estates 192  
## 108 Jamaica Hills 25  
## 109 Kensington 154  
## 110 Kew Gardens 137  
## 111 Kew Gardens Hills 82  
## 112 Kingsbridge 116  
## 113 Kips Bay 276  
## 114 Laurelton 119  
## 115 Lighthouse Hill 49  
## 116 Little Italy 219  
## 117 Little Neck 12  
## 118 Long Island City 248  
## 119 Longwood 185  
## 120 Lower East Side 540  
## 121 Manhattan Beach 118  
## 122 Marble Hill 85  
## 123 Mariners Harbor 86  
## 124 Maspeth 139  
## 125 Melrose 58  
## 126 Middle Village 160  
## 127 Midland Beach 20  
## 128 Midtown 275  
## 129 Midwood 175  
## 130 Mill Basin 36  
## 131 Morningside Heights 233  
## 132 Morris Heights 190  
## 133 Morris Park 76  
## 134 Morrisania 80  
## 135 Mott Haven 321  
## 136 Mount Eden 291  
## 137 Mount Hope 80  
## 138 Murray Hill 321  
## 139 Navy Yard 99  
## 140 Neponsit 34  
## 141 New Brighton 149  
## 142 New Dorp 0  
## 143 New Dorp Beach 56  
## 144 New Springville 87  
## 145 NoHo 115  
## 146 Nolita 244  
## 147 North Riverdale 143  
## 148 Norwood 109  
## 149 Oakwood 4  
## 150 Olinville 20  
## 151 Ozone Park 212  
## 152 Park Slope 488  
## 153 Parkchester 121  
## 154 Pelham Bay 113  
## 155 Pelham Gardens 138  
## 156 Port Morris 152  
## 157 Port Richmond 63  
## 158 Prince's Bay 15  
## 159 Prospect-Lefferts Gardens 401  
## 160 Prospect Heights 258  
## 161 Queens Village 252  
## 162 Randall Manor 131  
## 163 Red Hook 190  
## 164 Rego Park 175  
## 165 Richmond Hill 424  
## 166 Richmondtown 79  
## 167 Ridgewood 289  
## 168 Riverdale 202  
## 169 Rockaway Beach 186  
## 170 Roosevelt Island 178  
## 171 Rosebank 88  
## 172 Rosedale 144  
## 173 Rossville 21  
## 174 Schuylerville 118  
## 175 Sea Gate 6  
## 176 Sheepshead Bay 174  
## 177 Shore Acres 76  
## 178 Silver Lake 147  
## 179 SoHo 228  
## 180 Soundview 105  
## 181 South Beach 38  
## 182 South Ozone Park 310  
## 183 South Slope 467  
## 184 Springfield Gardens 434  
## 185 Spuyten Duyvil 47  
## 186 St. Albans 190  
## 187 St. George 234  
## 188 Stapleton 177  
## 189 Stuyvesant Town 150  
## 190 Sunnyside 258  
## 191 Sunset Park 220  
## 192 Theater District 330  
## 193 Throgs Neck 266  
## 194 Todt Hill 6  
## 195 Tompkinsville 333  
## 196 Tottenville 59  
## 197 Tremont 49  
## 198 Tribeca 447  
## 199 Two Bridges 223  
## 200 Unionport 68  
## 201 University Heights 135  
## 202 Upper East Side 389  
## 203 Upper West Side 401  
## 204 Van Nest 98  
## 205 Vinegar Hill 163  
## 206 Wakefield 199  
## 207 Washington Heights 307  
## 208 West Brighton 196  
## 209 West Farms 4  
## 210 West Village 272  
## 211 Westchester Square 67  
## 212 Westerleigh 17  
## 213 Whitestone 84  
## 214 Williamsbridge 205  
## 215 Williamsburg 404  
## 216 Willowbrook 9  
## 217 Windsor Terrace 243  
## 218 Woodhaven 386  
## 219 Woodlawn 197  
## 220 Woodrow 0  
## 221 Woodside 270

aggregate(Airbnb$number\_of\_reviews ~ Airbnb$neighbourhood, FUN = min)

## Airbnb$neighbourhood Airbnb$number\_of\_reviews  
## 1 Allerton 0  
## 2 Arden Heights 1  
## 3 Arrochar 0  
## 4 Arverne 0  
## 5 Astoria 0  
## 6 Bath Beach 0  
## 7 Battery Park City 0  
## 8 Bay Ridge 0  
## 9 Bay Terrace 0  
## 10 Bay Terrace, Staten Island 1  
## 11 Baychester 0  
## 12 Bayside 0  
## 13 Bayswater 0  
## 14 Bedford-Stuyvesant 0  
## 15 Belle Harbor 0  
## 16 Bellerose 0  
## 17 Belmont 0  
## 18 Bensonhurst 0  
## 19 Bergen Beach 0  
## 20 Boerum Hill 0  
## 21 Borough Park 0  
## 22 Breezy Point 0  
## 23 Briarwood 0  
## 24 Brighton Beach 0  
## 25 Bronxdale 0  
## 26 Brooklyn Heights 0  
## 27 Brownsville 0  
## 28 Bull's Head 0  
## 29 Bushwick 0  
## 30 Cambria Heights 0  
## 31 Canarsie 0  
## 32 Carroll Gardens 0  
## 33 Castle Hill 0  
## 34 Castleton Corners 0  
## 35 Chelsea 0  
## 36 Chinatown 0  
## 37 City Island 0  
## 38 Civic Center 0  
## 39 Claremont Village 0  
## 40 Clason Point 0  
## 41 Clifton 0  
## 42 Clinton Hill 0  
## 43 Co-op City 2  
## 44 Cobble Hill 0  
## 45 College Point 0  
## 46 Columbia St 0  
## 47 Concord 0  
## 48 Concourse 0  
## 49 Concourse Village 0  
## 50 Coney Island 0  
## 51 Corona 0  
## 52 Crown Heights 0  
## 53 Cypress Hills 0  
## 54 Ditmars Steinway 0  
## 55 Dongan Hills 7  
## 56 Douglaston 9  
## 57 Downtown Brooklyn 0  
## 58 DUMBO 0  
## 59 Dyker Heights 0  
## 60 East Elmhurst 0  
## 61 East Flatbush 0  
## 62 East Harlem 0  
## 63 East Morrisania 1  
## 64 East New York 0  
## 65 East Village 0  
## 66 Eastchester 0  
## 67 Edenwald 0  
## 68 Edgemere 0  
## 69 Elmhurst 0  
## 70 Eltingville 0  
## 71 Emerson Hill 0  
## 72 Far Rockaway 0  
## 73 Fieldston 1  
## 74 Financial District 0  
## 75 Flatbush 0  
## 76 Flatiron District 0  
## 77 Flatlands 0  
## 78 Flushing 0  
## 79 Fordham 0  
## 80 Forest Hills 0  
## 81 Fort Greene 0  
## 82 Fort Hamilton 0  
## 83 Fort Wadsworth 0  
## 84 Fresh Meadows 0  
## 85 Glendale 0  
## 86 Gowanus 0  
## 87 Gramercy 0  
## 88 Graniteville 7  
## 89 Grant City 0  
## 90 Gravesend 0  
## 91 Great Kills 1  
## 92 Greenpoint 0  
## 93 Greenwich Village 0  
## 94 Grymes Hill 0  
## 95 Harlem 0  
## 96 Hell's Kitchen 0  
## 97 Highbridge 0  
## 98 Hollis 0  
## 99 Holliswood 0  
## 100 Howard Beach 0  
## 101 Howland Hook 20  
## 102 Huguenot 11  
## 103 Hunts Point 0  
## 104 Inwood 0  
## 105 Jackson Heights 0  
## 106 Jamaica 0  
## 107 Jamaica Estates 0  
## 108 Jamaica Hills 0  
## 109 Kensington 0  
## 110 Kew Gardens 0  
## 111 Kew Gardens Hills 0  
## 112 Kingsbridge 0  
## 113 Kips Bay 0  
## 114 Laurelton 0  
## 115 Lighthouse Hill 29  
## 116 Little Italy 0  
## 117 Little Neck 0  
## 118 Long Island City 0  
## 119 Longwood 0  
## 120 Lower East Side 0  
## 121 Manhattan Beach 0  
## 122 Marble Hill 0  
## 123 Mariners Harbor 0  
## 124 Maspeth 0  
## 125 Melrose 0  
## 126 Middle Village 0  
## 127 Midland Beach 0  
## 128 Midtown 0  
## 129 Midwood 0  
## 130 Mill Basin 3  
## 131 Morningside Heights 0  
## 132 Morris Heights 0  
## 133 Morris Park 0  
## 134 Morrisania 0  
## 135 Mott Haven 0  
## 136 Mount Eden 0  
## 137 Mount Hope 0  
## 138 Murray Hill 0  
## 139 Navy Yard 0  
## 140 Neponsit 5  
## 141 New Brighton 1  
## 142 New Dorp 0  
## 143 New Dorp Beach 0  
## 144 New Springville 0  
## 145 NoHo 0  
## 146 Nolita 0  
## 147 North Riverdale 0  
## 148 Norwood 0  
## 149 Oakwood 1  
## 150 Olinville 0  
## 151 Ozone Park 0  
## 152 Park Slope 0  
## 153 Parkchester 0  
## 154 Pelham Bay 0  
## 155 Pelham Gardens 0  
## 156 Port Morris 0  
## 157 Port Richmond 0  
## 158 Prince's Bay 0  
## 159 Prospect-Lefferts Gardens 0  
## 160 Prospect Heights 0  
## 161 Queens Village 0  
## 162 Randall Manor 0  
## 163 Red Hook 0  
## 164 Rego Park 0  
## 165 Richmond Hill 0  
## 166 Richmondtown 79  
## 167 Ridgewood 0  
## 168 Riverdale 0  
## 169 Rockaway Beach 0  
## 170 Roosevelt Island 0  
## 171 Rosebank 1  
## 172 Rosedale 0  
## 173 Rossville 21  
## 174 Schuylerville 1  
## 175 Sea Gate 0  
## 176 Sheepshead Bay 0  
## 177 Shore Acres 0  
## 178 Silver Lake 90  
## 179 SoHo 0  
## 180 Soundview 0  
## 181 South Beach 1  
## 182 South Ozone Park 0  
## 183 South Slope 0  
## 184 Springfield Gardens 0  
## 185 Spuyten Duyvil 7  
## 186 St. Albans 0  
## 187 St. George 0  
## 188 Stapleton 0  
## 189 Stuyvesant Town 0  
## 190 Sunnyside 0  
## 191 Sunset Park 0  
## 192 Theater District 0  
## 193 Throgs Neck 0  
## 194 Todt Hill 2  
## 195 Tompkinsville 0  
## 196 Tottenville 0  
## 197 Tremont 0  
## 198 Tribeca 0  
## 199 Two Bridges 0  
## 200 Unionport 0  
## 201 University Heights 0  
## 202 Upper East Side 0  
## 203 Upper West Side 0  
## 204 Van Nest 0  
## 205 Vinegar Hill 0  
## 206 Wakefield 0  
## 207 Washington Heights 0  
## 208 West Brighton 0  
## 209 West Farms 3  
## 210 West Village 0  
## 211 Westchester Square 0  
## 212 Westerleigh 1  
## 213 Whitestone 0  
## 214 Williamsbridge 0  
## 215 Williamsburg 0  
## 216 Willowbrook 9  
## 217 Windsor Terrace 0  
## 218 Woodhaven 0  
## 219 Woodlawn 1  
## 220 Woodrow 0  
## 221 Woodside 0

aggregate(Airbnb$reviews\_per\_month ~ Airbnb$neighbourhood\_group, FUN = mean)

## Airbnb$neighbourhood\_group Airbnb$reviews\_per\_month  
## 1 Bronx 1.4756554  
## 2 Brooklyn 1.0497901  
## 3 Manhattan 0.9767822  
## 4 Queens 1.5670755  
## 5 Staten Island 1.5763807

aggregate(Airbnb$reviews\_per\_month ~ Airbnb$neighbourhood\_group, FUN = median)

## Airbnb$neighbourhood\_group Airbnb$reviews\_per\_month  
## 1 Bronx 0.87  
## 2 Brooklyn 0.38  
## 3 Manhattan 0.28  
## 4 Queens 0.76  
## 5 Staten Island 1.00

aggregate(Airbnb$reviews\_per\_month ~ Airbnb$neighbourhood\_group, FUN = max)

## Airbnb$neighbourhood\_group Airbnb$reviews\_per\_month  
## 1 Bronx 10.34  
## 2 Brooklyn 14.00  
## 3 Manhattan 58.50  
## 4 Queens 20.94  
## 5 Staten Island 10.12

aggregate(Airbnb$reviews\_per\_month ~ Airbnb$neighbourhood\_group, FUN = min)

## Airbnb$neighbourhood\_group Airbnb$reviews\_per\_month  
## 1 Bronx 0  
## 2 Brooklyn 0  
## 3 Manhattan 0  
## 4 Queens 0  
## 5 Staten Island 0

aggregate(Airbnb$reviews\_per\_month ~ Airbnb$neighbourhood, FUN = mean)

## Airbnb$neighbourhood Airbnb$reviews\_per\_month  
## 1 Allerton 1.6157143  
## 2 Arden Heights 1.0400000  
## 3 Arrochar 1.0609524  
## 4 Arverne 1.5154545  
## 5 Astoria 1.0014111  
## 6 Bath Beach 1.4217647  
## 7 Battery Park City 0.3474286  
## 8 Bay Ridge 1.2803546  
## 9 Bay Terrace 0.9366667  
## 10 Bay Terrace, Staten Island 0.4550000  
## 11 Baychester 1.8914286  
## 12 Bayside 1.8320513  
## 13 Bayswater 1.2723529  
## 14 Bedford-Stuyvesant 1.3124717  
## 15 Belle Harbor 1.0275000  
## 16 Bellerose 0.4728571  
## 17 Belmont 1.5733333  
## 18 Bensonhurst 1.2878667  
## 19 Bergen Beach 1.4940000  
## 20 Boerum Hill 0.8358757  
## 21 Borough Park 1.0553676  
## 22 Breezy Point 0.1466667  
## 23 Briarwood 1.3525000  
## 24 Brighton Beach 1.3454667  
## 25 Bronxdale 1.6142105  
## 26 Brooklyn Heights 0.7174675  
## 27 Brownsville 1.5006557  
## 28 Bull's Head 1.2116667  
## 29 Bushwick 1.0679554  
## 30 Cambria Heights 1.2661538  
## 31 Canarsie 1.9713605  
## 32 Carroll Gardens 0.9166953  
## 33 Castle Hill 0.6166667  
## 34 Castleton Corners 0.9650000  
## 35 Chelsea 0.9334142  
## 36 Chinatown 1.1943207  
## 37 City Island 1.7077778  
## 38 Civic Center 0.4475000  
## 39 Claremont Village 1.0989286  
## 40 Clason Point 1.3738095  
## 41 Clifton 1.7046667  
## 42 Clinton Hill 0.8164336  
## 43 Co-op City 0.2450000  
## 44 Cobble Hill 1.0710101  
## 45 College Point 1.8778947  
## 46 Columbia St 0.8409524  
## 47 Concord 1.3961538  
## 48 Concourse 1.4720000  
## 49 Concourse Village 1.0500000  
## 50 Coney Island 0.9570588  
## 51 Corona 1.8498438  
## 52 Crown Heights 0.9979668  
## 53 Cypress Hills 1.8557778  
## 54 Ditmars Steinway 1.2070227  
## 55 Dongan Hills 2.0685714  
## 56 Douglaston 1.2087500  
## 57 Downtown Brooklyn 0.6544578  
## 58 DUMBO 0.9180556  
## 59 Dyker Heights 1.5733333  
## 60 East Elmhurst 4.4580000  
## 61 East Flatbush 1.4541800  
## 62 East Harlem 1.4136616  
## 63 East Morrisania 2.6180000  
## 64 East New York 1.7491743  
## 65 East Village 0.9003778  
## 66 Eastchester 0.3507692  
## 67 Edenwald 1.3000000  
## 68 Edgemere 0.9509091  
## 69 Elmhurst 1.3455274  
## 70 Eltingville 1.6466667  
## 71 Emerson Hill 1.1200000  
## 72 Far Rockaway 1.0041379  
## 73 Fieldston 0.9291667  
## 74 Financial District 1.0108065  
## 75 Flatbush 0.8889855  
## 76 Flatiron District 0.9071250  
## 77 Flatlands 1.2801205  
## 78 Flushing 1.9245305  
## 79 Fordham 1.1468254  
## 80 Forest Hills 1.0551389  
## 81 Fort Greene 0.8327198  
## 82 Fort Hamilton 0.6907273  
## 83 Fort Wadsworth 0.0000000  
## 84 Fresh Meadows 2.6468750  
## 85 Glendale 1.8211111  
## 86 Gowanus 1.1743320  
## 87 Gramercy 0.8721302  
## 88 Graniteville 1.5333333  
## 89 Grant City 1.6150000  
## 90 Gravesend 0.9002941  
## 91 Great Kills 0.9900000  
## 92 Greenpoint 0.7038924  
## 93 Greenwich Village 0.7201276  
## 94 Grymes Hill 1.0271429  
## 95 Harlem 1.1122009  
## 96 Hell's Kitchen 1.4396272  
## 97 Highbridge 1.8011111  
## 98 Hollis 1.4114286  
## 99 Holliswood 0.2075000  
## 100 Howard Beach 2.0435000  
## 101 Howland Hook 0.5700000  
## 102 Huguenot 3.7600000  
## 103 Hunts Point 1.1216667  
## 104 Inwood 0.7640873  
## 105 Jackson Heights 1.5767204  
## 106 Jamaica 2.6171429  
## 107 Jamaica Estates 2.0878947  
## 108 Jamaica Hills 2.9012500  
## 109 Kensington 0.8313143  
## 110 Kew Gardens 1.0975000  
## 111 Kew Gardens Hills 1.2396154  
## 112 Kingsbridge 1.2568571  
## 113 Kips Bay 0.7586170  
## 114 Laurelton 2.1961111  
## 115 Lighthouse Hill 1.1650000  
## 116 Little Italy 1.0281818  
## 117 Little Neck 0.2000000  
## 118 Long Island City 1.1468529  
## 119 Longwood 1.4243548  
## 120 Lower East Side 1.0098024  
## 121 Manhattan Beach 1.2837500  
## 122 Marble Hill 0.6033333  
## 123 Mariners Harbor 2.3962500  
## 124 Maspeth 1.4680909  
## 125 Melrose 1.0760000  
## 126 Middle Village 1.6658065  
## 127 Midland Beach 0.6116667  
## 128 Midtown 0.8181812  
## 129 Midwood 0.6944954  
## 130 Mill Basin 2.1275000  
## 131 Morningside Heights 0.7221387  
## 132 Morris Heights 1.3176471  
## 133 Morris Park 1.2413333  
## 134 Morrisania 0.7655556  
## 135 Mott Haven 2.1428333  
## 136 Mount Eden 1.4866667  
## 137 Mount Hope 1.1220000  
## 138 Murray Hill 0.6479588  
## 139 Navy Yard 0.7371429  
## 140 Neponsit 1.6000000  
## 141 New Brighton 2.4160000  
## 142 New Dorp 0.0000000  
## 143 New Dorp Beach 2.2000000  
## 144 New Springville 2.3575000  
## 145 NoHo 0.6374359  
## 146 Nolita 0.8876285  
## 147 North Riverdale 0.7550000  
## 148 Norwood 0.8883871  
## 149 Oakwood 0.7140000  
## 150 Olinville 0.7175000  
## 151 Ozone Park 1.4850000  
## 152 Park Slope 0.8581225  
## 153 Parkchester 1.2679487  
## 154 Pelham Bay 1.5370588  
## 155 Pelham Gardens 2.2053571  
## 156 Port Morris 1.5100000  
## 157 Port Richmond 1.1800000  
## 158 Prince's Bay 0.9425000  
## 159 Prospect-Lefferts Gardens 1.1281869  
## 160 Prospect Heights 0.9478431  
## 161 Queens Village 2.6840000  
## 162 Randall Manor 1.4284211  
## 163 Red Hook 1.1774684  
## 164 Rego Park 1.3529245  
## 165 Richmond Hill 2.2843617  
## 166 Richmondtown 2.5600000  
## 167 Ridgewood 1.0178251  
## 168 Riverdale 0.8400000  
## 169 Rockaway Beach 1.4269643  
## 170 Roosevelt Island 0.9087013  
## 171 Rosebank 3.8128571  
## 172 Rosedale 2.3169492  
## 173 Rossville 1.6900000  
## 174 Schuylerville 3.1576923  
## 175 Sea Gate 0.1885714  
## 176 Sheepshead Bay 1.3505488  
## 177 Shore Acres 0.6185714  
## 178 Silver Lake 4.3400000  
## 179 SoHo 0.9208101  
## 180 Soundview 1.9700000  
## 181 South Beach 1.7400000  
## 182 South Ozone Park 3.0197500  
## 183 South Slope 1.0623592  
## 184 Springfield Gardens 4.1931765  
## 185 Spuyten Duyvil 0.7550000  
## 186 St. Albans 2.2839474  
## 187 St. George 1.4814583  
## 188 Stapleton 2.0344444  
## 189 Stuyvesant Town 0.6989189  
## 190 Sunnyside 1.1403581  
## 191 Sunset Park 1.0193077  
## 192 Theater District 1.3191667  
## 193 Throgs Neck 2.1312500  
## 194 Todt Hill 0.8825000  
## 195 Tompkinsville 2.1078571  
## 196 Tottenville 0.8185714  
## 197 Tremont 1.1309091  
## 198 Tribeca 0.5188701  
## 199 Two Bridges 1.9962500  
## 200 Unionport 2.1728571  
## 201 University Heights 1.1095238  
## 202 Upper East Side 0.8474194  
## 203 Upper West Side 0.7545764  
## 204 Van Nest 1.6327273  
## 205 Vinegar Hill 0.6344118  
## 206 Wakefield 1.8740000  
## 207 Washington Heights 0.9751947  
## 208 West Brighton 1.2833333  
## 209 West Farms 0.3950000  
## 210 West Village 0.7501953  
## 211 Westchester Square 1.4530000  
## 212 Westerleigh 0.5050000  
## 213 Whitestone 2.4145455  
## 214 Williamsbridge 1.8090000  
## 215 Williamsburg 0.8866760  
## 216 Willowbrook 0.8000000  
## 217 Windsor Terrace 0.9860510  
## 218 Woodhaven 1.8513636  
## 219 Woodlawn 2.3745455  
## 220 Woodrow 0.0000000  
## 221 Woodside 1.2223404

aggregate(Airbnb$reviews\_per\_month ~ Airbnb$neighbourhood, FUN = median)

## Airbnb$neighbourhood Airbnb$reviews\_per\_month  
## 1 Allerton 1.135  
## 2 Arden Heights 0.950  
## 3 Arrochar 0.910  
## 4 Arverne 1.230  
## 5 Astoria 0.320  
## 6 Bath Beach 1.540  
## 7 Battery Park City 0.020  
## 8 Bay Ridge 0.690  
## 9 Bay Terrace 0.600  
## 10 Bay Terrace, Staten Island 0.455  
## 11 Baychester 1.200  
## 12 Bayside 0.990  
## 13 Bayswater 0.380  
## 14 Bedford-Stuyvesant 0.650  
## 15 Belle Harbor 0.960  
## 16 Bellerose 0.350  
## 17 Belmont 0.615  
## 18 Bensonhurst 0.700  
## 19 Bergen Beach 1.595  
## 20 Boerum Hill 0.270  
## 21 Borough Park 0.780  
## 22 Breezy Point 0.090  
## 23 Briarwood 1.155  
## 24 Brighton Beach 0.580  
## 25 Bronxdale 0.980  
## 26 Brooklyn Heights 0.235  
## 27 Brownsville 1.290  
## 28 Bull's Head 0.905  
## 29 Bushwick 0.350  
## 30 Cambria Heights 0.145  
## 31 Canarsie 1.180  
## 32 Carroll Gardens 0.320  
## 33 Castle Hill 0.000  
## 34 Castleton Corners 0.955  
## 35 Chelsea 0.240  
## 36 Chinatown 0.560  
## 37 City Island 1.690  
## 38 Civic Center 0.090  
## 39 Claremont Village 0.185  
## 40 Clason Point 0.470  
## 41 Clifton 0.560  
## 42 Clinton Hill 0.260  
## 43 Co-op City 0.245  
## 44 Cobble Hill 0.370  
## 45 College Point 0.880  
## 46 Columbia St 0.370  
## 47 Concord 1.010  
## 48 Concourse 0.995  
## 49 Concourse Village 0.370  
## 50 Coney Island 0.750  
## 51 Corona 1.130  
## 52 Crown Heights 0.330  
## 53 Cypress Hills 1.580  
## 54 Ditmars Steinway 0.480  
## 55 Dongan Hills 1.910  
## 56 Douglaston 1.245  
## 57 Downtown Brooklyn 0.210  
## 58 DUMBO 0.145  
## 59 Dyker Heights 1.160  
## 60 East Elmhurst 3.760  
## 61 East Flatbush 0.815  
## 62 East Harlem 0.810  
## 63 East Morrisania 2.795  
## 64 East New York 1.345  
## 65 East Village 0.290  
## 66 Eastchester 0.290  
## 67 Edenwald 0.660  
## 68 Edgemere 0.540  
## 69 Elmhurst 0.770  
## 70 Eltingville 2.380  
## 71 Emerson Hill 0.050  
## 72 Far Rockaway 0.220  
## 73 Fieldston 0.570  
## 74 Financial District 0.315  
## 75 Flatbush 0.340  
## 76 Flatiron District 0.245  
## 77 Flatlands 0.700  
## 78 Flushing 1.640  
## 79 Fordham 0.790  
## 80 Forest Hills 0.455  
## 81 Fort Greene 0.290  
## 82 Fort Hamilton 0.420  
## 83 Fort Wadsworth 0.000  
## 84 Fresh Meadows 1.990  
## 85 Glendale 1.290  
## 86 Gowanus 0.510  
## 87 Gramercy 0.250  
## 88 Graniteville 1.010  
## 89 Grant City 1.025  
## 90 Gravesend 0.270  
## 91 Great Kills 0.880  
## 92 Greenpoint 0.160  
## 93 Greenwich Village 0.250  
## 94 Grymes Hill 0.580  
## 95 Harlem 0.465  
## 96 Hell's Kitchen 0.525  
## 97 Highbridge 1.450  
## 98 Hollis 1.245  
## 99 Holliswood 0.155  
## 100 Howard Beach 1.000  
## 101 Howland Hook 0.570  
## 102 Huguenot 4.380  
## 103 Hunts Point 0.420  
## 104 Inwood 0.275  
## 105 Jackson Heights 0.930  
## 106 Jamaica 1.650  
## 107 Jamaica Estates 1.780  
## 108 Jamaica Hills 2.080  
## 109 Kensington 0.180  
## 110 Kew Gardens 0.240  
## 111 Kew Gardens Hills 0.675  
## 112 Kingsbridge 0.460  
## 113 Kips Bay 0.140  
## 114 Laurelton 1.495  
## 115 Lighthouse Hill 1.165  
## 116 Little Italy 0.320  
## 117 Little Neck 0.140  
## 118 Long Island City 0.460  
## 119 Longwood 0.830  
## 120 Lower East Side 0.330  
## 121 Manhattan Beach 1.170  
## 122 Marble Hill 0.145  
## 123 Mariners Harbor 1.000  
## 124 Maspeth 0.840  
## 125 Melrose 1.250  
## 126 Middle Village 1.060  
## 127 Midland Beach 0.310  
## 128 Midtown 0.130  
## 129 Midwood 0.240  
## 130 Mill Basin 1.975  
## 131 Morningside Heights 0.110  
## 132 Morris Heights 0.530  
## 133 Morris Park 0.610  
## 134 Morrisania 0.000  
## 135 Mott Haven 2.010  
## 136 Mount Eden 0.220  
## 137 Mount Hope 0.970  
## 138 Murray Hill 0.090  
## 139 Navy Yard 0.235  
## 140 Neponsit 1.370  
## 141 New Brighton 2.580  
## 142 New Dorp 0.000  
## 143 New Dorp Beach 0.000  
## 144 New Springville 2.885  
## 145 NoHo 0.385  
## 146 Nolita 0.280  
## 147 North Riverdale 0.645  
## 148 Norwood 0.260  
## 149 Oakwood 1.000  
## 150 Olinville 0.335  
## 151 Ozone Park 0.595  
## 152 Park Slope 0.280  
## 153 Parkchester 0.780  
## 154 Pelham Bay 0.990  
## 155 Pelham Gardens 2.035  
## 156 Port Morris 1.140  
## 157 Port Richmond 0.960  
## 158 Prince's Bay 0.220  
## 159 Prospect-Lefferts Gardens 0.390  
## 160 Prospect Heights 0.270  
## 161 Queens Village 2.180  
## 162 Randall Manor 0.880  
## 163 Red Hook 0.640  
## 164 Rego Park 0.980  
## 165 Richmond Hill 1.355  
## 166 Richmondtown 2.560  
## 167 Ridgewood 0.260  
## 168 Riverdale 0.040  
## 169 Rockaway Beach 1.000  
## 170 Roosevelt Island 0.170  
## 171 Rosebank 2.680  
## 172 Rosedale 1.340  
## 173 Rossville 1.690  
## 174 Schuylerville 1.900  
## 175 Sea Gate 0.030  
## 176 Sheepshead Bay 0.625  
## 177 Shore Acres 0.000  
## 178 Silver Lake 4.340  
## 179 SoHo 0.365  
## 180 Soundview 1.320  
## 181 South Beach 0.915  
## 182 South Ozone Park 1.650  
## 183 South Slope 0.370  
## 184 Springfield Gardens 2.530  
## 185 Spuyten Duyvil 0.810  
## 186 St. Albans 1.615  
## 187 St. George 1.000  
## 188 Stapleton 1.810  
## 189 Stuyvesant Town 0.160  
## 190 Sunnyside 0.430  
## 191 Sunset Park 0.425  
## 192 Theater District 0.020  
## 193 Throgs Neck 1.805  
## 194 Todt Hill 0.710  
## 195 Tompkinsville 1.885  
## 196 Tottenville 0.830  
## 197 Tremont 1.270  
## 198 Tribeca 0.110  
## 199 Two Bridges 1.105  
## 200 Unionport 0.680  
## 201 University Heights 0.540  
## 202 Upper East Side 0.255  
## 203 Upper West Side 0.170  
## 204 Van Nest 0.680  
## 205 Vinegar Hill 0.145  
## 206 Wakefield 1.290  
## 207 Washington Heights 0.310  
## 208 West Brighton 1.055  
## 209 West Farms 0.395  
## 210 West Village 0.290  
## 211 Westchester Square 1.315  
## 212 Westerleigh 0.505  
## 213 Whitestone 1.640  
## 214 Williamsbridge 0.895  
## 215 Williamsburg 0.300  
## 216 Willowbrook 0.800  
## 217 Windsor Terrace 0.320  
## 218 Woodhaven 1.440  
## 219 Woodlawn 1.190  
## 220 Woodrow 0.000  
## 221 Woodside 0.330

aggregate(Airbnb$reviews\_per\_month ~ Airbnb$neighbourhood, FUN = max)

## Airbnb$neighbourhood Airbnb$reviews\_per\_month  
## 1 Allerton 8.32  
## 2 Arden Heights 1.55  
## 3 Arrochar 3.79  
## 4 Arverne 6.82  
## 5 Astoria 9.00  
## 6 Bath Beach 3.78  
## 7 Battery Park City 3.68  
## 8 Bay Ridge 6.55  
## 9 Bay Terrace 2.46  
## 10 Bay Terrace, Staten Island 0.82  
## 11 Baychester 4.98  
## 12 Bayside 10.37  
## 13 Bayswater 8.00  
## 14 Bedford-Stuyvesant 11.68  
## 15 Belle Harbor 3.02  
## 16 Bellerose 1.32  
## 17 Belmont 6.72  
## 18 Bensonhurst 7.31  
## 19 Bergen Beach 2.95  
## 20 Boerum Hill 6.55  
## 21 Borough Park 5.83  
## 22 Breezy Point 0.35  
## 23 Briarwood 5.00  
## 24 Brighton Beach 9.09  
## 25 Bronxdale 4.62  
## 26 Brooklyn Heights 8.02  
## 27 Brownsville 6.86  
## 28 Bull's Head 3.40  
## 29 Bushwick 13.33  
## 30 Cambria Heights 11.21  
## 31 Canarsie 10.36  
## 32 Carroll Gardens 5.50  
## 33 Castle Hill 2.79  
## 34 Castleton Corners 1.95  
## 35 Chelsea 9.85  
## 36 Chinatown 9.39  
## 37 City Island 5.65  
## 38 Civic Center 4.33  
## 39 Claremont Village 6.73  
## 40 Clason Point 8.62  
## 41 Clifton 8.43  
## 42 Clinton Hill 6.54  
## 43 Co-op City 0.46  
## 44 Cobble Hill 5.78  
## 45 College Point 7.69  
## 46 Columbia St 7.14  
## 47 Concord 5.64  
## 48 Concourse 4.57  
## 49 Concourse Village 5.70  
## 50 Coney Island 2.51  
## 51 Corona 9.50  
## 52 Crown Heights 11.84  
## 53 Cypress Hills 8.52  
## 54 Ditmars Steinway 9.58  
## 55 Dongan Hills 2.66  
## 56 Douglaston 1.94  
## 57 Downtown Brooklyn 4.71  
## 58 DUMBO 4.52  
## 59 Dyker Heights 3.45  
## 60 East Elmhurst 16.22  
## 61 East Flatbush 10.77  
## 62 East Harlem 8.06  
## 63 East Morrisania 4.06  
## 64 East New York 9.53  
## 65 East Village 8.16  
## 66 Eastchester 1.08  
## 67 Edenwald 4.33  
## 68 Edgemere 3.41  
## 69 Elmhurst 8.94  
## 70 Eltingville 2.56  
## 71 Emerson Hill 3.88  
## 72 Far Rockaway 4.92  
## 73 Fieldston 3.47  
## 74 Financial District 8.33  
## 75 Flatbush 6.78  
## 76 Flatiron District 4.29  
## 77 Flatlands 8.87  
## 78 Flushing 10.91  
## 79 Fordham 6.80  
## 80 Forest Hills 5.50  
## 81 Fort Greene 9.41  
## 82 Fort Hamilton 3.99  
## 83 Fort Wadsworth 0.00  
## 84 Fresh Meadows 7.60  
## 85 Glendale 6.18  
## 86 Gowanus 10.17  
## 87 Gramercy 5.79  
## 88 Graniteville 2.67  
## 89 Grant City 5.09  
## 90 Gravesend 4.70  
## 91 Great Kills 2.60  
## 92 Greenpoint 8.50  
## 93 Greenwich Village 8.18  
## 94 Grymes Hill 4.47  
## 95 Harlem 9.29  
## 96 Hell's Kitchen 14.00  
## 97 Highbridge 4.45  
## 98 Hollis 5.55  
## 99 Holliswood 0.52  
## 100 Howard Beach 11.71  
## 101 Howland Hook 0.57  
## 102 Huguenot 4.81  
## 103 Hunts Point 5.08  
## 104 Inwood 6.56  
## 105 Jackson Heights 7.84  
## 106 Jamaica 15.32  
## 107 Jamaica Estates 6.80  
## 108 Jamaica Hills 7.50  
## 109 Kensington 8.25  
## 110 Kew Gardens 6.27  
## 111 Kew Gardens Hills 10.00  
## 112 Kingsbridge 8.00  
## 113 Kips Bay 8.24  
## 114 Laurelton 8.00  
## 115 Lighthouse Hill 1.41  
## 116 Little Italy 6.37  
## 117 Little Neck 0.55  
## 118 Long Island City 8.56  
## 119 Longwood 8.11  
## 120 Lower East Side 8.48  
## 121 Manhattan Beach 2.82  
## 122 Marble Hill 4.40  
## 123 Mariners Harbor 10.12  
## 124 Maspeth 9.47  
## 125 Melrose 2.26  
## 126 Middle Village 8.27  
## 127 Midland Beach 2.00  
## 128 Midtown 11.14  
## 129 Midwood 4.27  
## 130 Mill Basin 3.26  
## 131 Morningside Heights 10.00  
## 132 Morris Heights 7.08  
## 133 Morris Park 6.02  
## 134 Morrisania 5.01  
## 135 Mott Haven 6.96  
## 136 Mount Eden 4.65  
## 137 Mount Hope 3.66  
## 138 Murray Hill 7.13  
## 139 Navy Yard 2.64  
## 140 Neponsit 2.88  
## 141 New Brighton 3.80  
## 142 New Dorp 0.00  
## 143 New Dorp Beach 9.33  
## 144 New Springville 5.33  
## 145 NoHo 4.24  
## 146 Nolita 6.36  
## 147 North Riverdale 2.13  
## 148 Norwood 6.61  
## 149 Oakwood 1.00  
## 150 Olinville 2.20  
## 151 Ozone Park 8.03  
## 152 Park Slope 8.14  
## 153 Parkchester 4.92  
## 154 Pelham Bay 5.77  
## 155 Pelham Gardens 6.07  
## 156 Port Morris 6.82  
## 157 Port Richmond 3.21  
## 158 Prince's Bay 3.33  
## 159 Prospect-Lefferts Gardens 9.97  
## 160 Prospect Heights 11.17  
## 161 Queens Village 12.00  
## 162 Randall Manor 5.51  
## 163 Red Hook 5.05  
## 164 Rego Park 5.92  
## 165 Richmond Hill 13.42  
## 166 Richmondtown 2.56  
## 167 Ridgewood 10.17  
## 168 Riverdale 4.35  
## 169 Rockaway Beach 7.24  
## 170 Roosevelt Island 8.45  
## 171 Rosebank 9.10  
## 172 Rosedale 20.94  
## 173 Rossville 1.69  
## 174 Schuylerville 8.37  
## 175 Sea Gate 1.00  
## 176 Sheepshead Bay 7.89  
## 177 Shore Acres 3.25  
## 178 Silver Lake 5.49  
## 179 SoHo 5.80  
## 180 Soundview 5.70  
## 181 South Beach 7.14  
## 182 South Ozone Park 13.27  
## 183 South Slope 9.93  
## 184 Springfield Gardens 19.75  
## 185 Spuyten Duyvil 1.22  
## 186 St. Albans 12.11  
## 187 St. George 5.41  
## 188 Stapleton 7.12  
## 189 Stuyvesant Town 7.22  
## 190 Sunnyside 6.56  
## 191 Sunset Park 9.00  
## 192 Theater District 58.50  
## 193 Throgs Neck 10.34  
## 194 Todt Hill 2.02  
## 195 Tompkinsville 6.13  
## 196 Tottenville 2.08  
## 197 Tremont 2.70  
## 198 Tribeca 10.00  
## 199 Two Bridges 8.27  
## 200 Unionport 5.37  
## 201 University Heights 4.79  
## 202 Upper East Side 11.25  
## 203 Upper West Side 13.13  
## 204 Van Nest 5.10  
## 205 Vinegar Hill 4.05  
## 206 Wakefield 7.00  
## 207 Washington Heights 8.82  
## 208 West Brighton 3.63  
## 209 West Farms 0.63  
## 210 West Village 6.73  
## 211 Westchester Square 3.95  
## 212 Westerleigh 0.92  
## 213 Whitestone 5.58  
## 214 Williamsbridge 6.00  
## 215 Williamsburg 14.00  
## 216 Willowbrook 0.80  
## 217 Windsor Terrace 7.17  
## 218 Woodhaven 10.00  
## 219 Woodlawn 8.24  
## 220 Woodrow 0.00  
## 221 Woodside 9.30

aggregate(Airbnb$reviews\_per\_month ~ Airbnb$neighbourhood, FUN = min)

## Airbnb$neighbourhood Airbnb$reviews\_per\_month  
## 1 Allerton 0.00  
## 2 Arden Heights 0.71  
## 3 Arrochar 0.00  
## 4 Arverne 0.00  
## 5 Astoria 0.00  
## 6 Bath Beach 0.00  
## 7 Battery Park City 0.00  
## 8 Bay Ridge 0.00  
## 9 Bay Terrace 0.00  
## 10 Bay Terrace, Staten Island 0.09  
## 11 Baychester 0.00  
## 12 Bayside 0.00  
## 13 Bayswater 0.00  
## 14 Bedford-Stuyvesant 0.00  
## 15 Belle Harbor 0.00  
## 16 Bellerose 0.00  
## 17 Belmont 0.00  
## 18 Bensonhurst 0.00  
## 19 Bergen Beach 0.00  
## 20 Boerum Hill 0.00  
## 21 Borough Park 0.00  
## 22 Breezy Point 0.00  
## 23 Briarwood 0.00  
## 24 Brighton Beach 0.00  
## 25 Bronxdale 0.00  
## 26 Brooklyn Heights 0.00  
## 27 Brownsville 0.00  
## 28 Bull's Head 0.00  
## 29 Bushwick 0.00  
## 30 Cambria Heights 0.00  
## 31 Canarsie 0.00  
## 32 Carroll Gardens 0.00  
## 33 Castle Hill 0.00  
## 34 Castleton Corners 0.00  
## 35 Chelsea 0.00  
## 36 Chinatown 0.00  
## 37 City Island 0.00  
## 38 Civic Center 0.00  
## 39 Claremont Village 0.00  
## 40 Clason Point 0.00  
## 41 Clifton 0.00  
## 42 Clinton Hill 0.00  
## 43 Co-op City 0.03  
## 44 Cobble Hill 0.00  
## 45 College Point 0.00  
## 46 Columbia St 0.00  
## 47 Concord 0.00  
## 48 Concourse 0.00  
## 49 Concourse Village 0.00  
## 50 Coney Island 0.00  
## 51 Corona 0.00  
## 52 Crown Heights 0.00  
## 53 Cypress Hills 0.00  
## 54 Ditmars Steinway 0.00  
## 55 Dongan Hills 1.29  
## 56 Douglaston 0.49  
## 57 Downtown Brooklyn 0.00  
## 58 DUMBO 0.00  
## 59 Dyker Heights 0.00  
## 60 East Elmhurst 0.00  
## 61 East Flatbush 0.00  
## 62 East Harlem 0.00  
## 63 East Morrisania 0.19  
## 64 East New York 0.00  
## 65 East Village 0.00  
## 66 Eastchester 0.00  
## 67 Edenwald 0.00  
## 68 Edgemere 0.00  
## 69 Elmhurst 0.00  
## 70 Eltingville 0.00  
## 71 Emerson Hill 0.00  
## 72 Far Rockaway 0.00  
## 73 Fieldston 0.03  
## 74 Financial District 0.00  
## 75 Flatbush 0.00  
## 76 Flatiron District 0.00  
## 77 Flatlands 0.00  
## 78 Flushing 0.00  
## 79 Fordham 0.00  
## 80 Forest Hills 0.00  
## 81 Fort Greene 0.00  
## 82 Fort Hamilton 0.00  
## 83 Fort Wadsworth 0.00  
## 84 Fresh Meadows 0.00  
## 85 Glendale 0.00  
## 86 Gowanus 0.00  
## 87 Gramercy 0.00  
## 88 Graniteville 0.92  
## 89 Grant City 0.00  
## 90 Gravesend 0.00  
## 91 Great Kills 0.22  
## 92 Greenpoint 0.00  
## 93 Greenwich Village 0.00  
## 94 Grymes Hill 0.00  
## 95 Harlem 0.00  
## 96 Hell's Kitchen 0.00  
## 97 Highbridge 0.00  
## 98 Hollis 0.00  
## 99 Holliswood 0.00  
## 100 Howard Beach 0.00  
## 101 Howland Hook 0.57  
## 102 Huguenot 2.09  
## 103 Hunts Point 0.00  
## 104 Inwood 0.00  
## 105 Jackson Heights 0.00  
## 106 Jamaica 0.00  
## 107 Jamaica Estates 0.00  
## 108 Jamaica Hills 0.00  
## 109 Kensington 0.00  
## 110 Kew Gardens 0.00  
## 111 Kew Gardens Hills 0.00  
## 112 Kingsbridge 0.00  
## 113 Kips Bay 0.00  
## 114 Laurelton 0.00  
## 115 Lighthouse Hill 0.92  
## 116 Little Italy 0.00  
## 117 Little Neck 0.00  
## 118 Long Island City 0.00  
## 119 Longwood 0.00  
## 120 Lower East Side 0.00  
## 121 Manhattan Beach 0.00  
## 122 Marble Hill 0.00  
## 123 Mariners Harbor 0.00  
## 124 Maspeth 0.00  
## 125 Melrose 0.00  
## 126 Middle Village 0.00  
## 127 Midland Beach 0.00  
## 128 Midtown 0.00  
## 129 Midwood 0.00  
## 130 Mill Basin 1.30  
## 131 Morningside Heights 0.00  
## 132 Morris Heights 0.00  
## 133 Morris Park 0.00  
## 134 Morrisania 0.00  
## 135 Mott Haven 0.00  
## 136 Mount Eden 0.00  
## 137 Mount Hope 0.00  
## 138 Murray Hill 0.00  
## 139 Navy Yard 0.00  
## 140 Neponsit 0.55  
## 141 New Brighton 1.00  
## 142 New Dorp 0.00  
## 143 New Dorp Beach 0.00  
## 144 New Springville 0.00  
## 145 NoHo 0.00  
## 146 Nolita 0.00  
## 147 North Riverdale 0.00  
## 148 Norwood 0.00  
## 149 Oakwood 0.06  
## 150 Olinville 0.00  
## 151 Ozone Park 0.00  
## 152 Park Slope 0.00  
## 153 Parkchester 0.00  
## 154 Pelham Bay 0.00  
## 155 Pelham Gardens 0.00  
## 156 Port Morris 0.00  
## 157 Port Richmond 0.00  
## 158 Prince's Bay 0.00  
## 159 Prospect-Lefferts Gardens 0.00  
## 160 Prospect Heights 0.00  
## 161 Queens Village 0.00  
## 162 Randall Manor 0.00  
## 163 Red Hook 0.00  
## 164 Rego Park 0.00  
## 165 Richmond Hill 0.00  
## 166 Richmondtown 2.56  
## 167 Ridgewood 0.00  
## 168 Riverdale 0.00  
## 169 Rockaway Beach 0.00  
## 170 Roosevelt Island 0.00  
## 171 Rosebank 1.00  
## 172 Rosedale 0.00  
## 173 Rossville 1.69  
## 174 Schuylerville 0.08  
## 175 Sea Gate 0.00  
## 176 Sheepshead Bay 0.00  
## 177 Shore Acres 0.00  
## 178 Silver Lake 3.19  
## 179 SoHo 0.00  
## 180 Soundview 0.00  
## 181 South Beach 0.06  
## 182 South Ozone Park 0.00  
## 183 South Slope 0.00  
## 184 Springfield Gardens 0.00  
## 185 Spuyten Duyvil 0.18  
## 186 St. Albans 0.00  
## 187 St. George 0.00  
## 188 Stapleton 0.00  
## 189 Stuyvesant Town 0.00  
## 190 Sunnyside 0.00  
## 191 Sunset Park 0.00  
## 192 Theater District 0.00  
## 193 Throgs Neck 0.00  
## 194 Todt Hill 0.09  
## 195 Tompkinsville 0.00  
## 196 Tottenville 0.00  
## 197 Tremont 0.00  
## 198 Tribeca 0.00  
## 199 Two Bridges 0.00  
## 200 Unionport 0.00  
## 201 University Heights 0.00  
## 202 Upper East Side 0.00  
## 203 Upper West Side 0.00  
## 204 Van Nest 0.00  
## 205 Vinegar Hill 0.00  
## 206 Wakefield 0.00  
## 207 Washington Heights 0.00  
## 208 West Brighton 0.00  
## 209 West Farms 0.16  
## 210 West Village 0.00  
## 211 Westchester Square 0.00  
## 212 Westerleigh 0.09  
## 213 Whitestone 0.00  
## 214 Williamsbridge 0.00  
## 215 Williamsburg 0.00  
## 216 Willowbrook 0.80  
## 217 Windsor Terrace 0.00  
## 218 Woodhaven 0.00  
## 219 Woodlawn 0.07  
## 220 Woodrow 0.00  
## 221 Woodside 0.00

aggregate(Airbnb$calculated\_host\_listings\_count ~ Airbnb$neighbourhood\_group, FUN = mean)

## Airbnb$neighbourhood\_group Airbnb$calculated\_host\_listings\_count  
## 1 Bronx 2.233731  
## 2 Brooklyn 2.284371  
## 3 Manhattan 12.791330  
## 4 Queens 4.060184  
## 5 Staten Island 2.319035

aggregate(Airbnb$calculated\_host\_listings\_count ~ Airbnb$neighbourhood\_group, FUN = median)

## Airbnb$neighbourhood\_group Airbnb$calculated\_host\_listings\_count  
## 1 Bronx 1  
## 2 Brooklyn 1  
## 3 Manhattan 1  
## 4 Queens 1  
## 5 Staten Island 1

aggregate(Airbnb$calculated\_host\_listings\_count ~ Airbnb$neighbourhood\_group, FUN = max)

## Airbnb$neighbourhood\_group Airbnb$calculated\_host\_listings\_count  
## 1 Bronx 37  
## 2 Brooklyn 232  
## 3 Manhattan 327  
## 4 Queens 103  
## 5 Staten Island 8

aggregate(Airbnb$calculated\_host\_listings\_count ~ Airbnb$neighbourhood\_group, FUN = min)

## Airbnb$neighbourhood\_group Airbnb$calculated\_host\_listings\_count  
## 1 Bronx 1  
## 2 Brooklyn 1  
## 3 Manhattan 1  
## 4 Queens 1  
## 5 Staten Island 1

aggregate(Airbnb$calculated\_host\_listings\_count ~ Airbnb$neighbourhood, FUN = mean)

## Airbnb$neighbourhood Airbnb$calculated\_host\_listings\_count  
## 1 Allerton 2.761905  
## 2 Arden Heights 1.000000  
## 3 Arrochar 4.190476  
## 4 Arverne 1.662338  
## 5 Astoria 2.772222  
## 6 Bath Beach 1.529412  
## 7 Battery Park City 9.442857  
## 8 Bay Ridge 1.858156  
## 9 Bay Terrace 1.333333  
## 10 Bay Terrace, Staten Island 1.000000  
## 11 Baychester 1.714286  
## 12 Bayside 2.025641  
## 13 Bayswater 1.294118  
## 14 Bedford-Stuyvesant 2.608508  
## 15 Belle Harbor 1.250000  
## 16 Bellerose 1.428571  
## 17 Belmont 1.583333  
## 18 Bensonhurst 2.000000  
## 19 Bergen Beach 1.100000  
## 20 Boerum Hill 2.152542  
## 21 Borough Park 4.058824  
## 22 Breezy Point 1.666667  
## 23 Briarwood 4.285714  
## 24 Brighton Beach 1.866667  
## 25 Bronxdale 1.105263  
## 26 Brooklyn Heights 1.077922  
## 27 Brownsville 2.295082  
## 28 Bull's Head 2.333333  
## 29 Bushwick 2.587830  
## 30 Cambria Heights 1.461538  
## 31 Canarsie 2.149660  
## 32 Carroll Gardens 1.369099  
## 33 Castle Hill 5.666667  
## 34 Castleton Corners 1.000000  
## 35 Chelsea 16.260557  
## 36 Chinatown 1.497283  
## 37 City Island 1.444444  
## 38 Civic Center 2.500000  
## 39 Claremont Village 2.214286  
## 40 Clason Point 3.095238  
## 41 Clifton 3.800000  
## 42 Clinton Hill 1.744755  
## 43 Co-op City 7.000000  
## 44 Cobble Hill 1.171717  
## 45 College Point 1.105263  
## 46 Columbia St 1.428571  
## 47 Concord 4.884615  
## 48 Concourse 1.440000  
## 49 Concourse Village 1.218750  
## 50 Coney Island 4.176471  
## 51 Corona 3.453125  
## 52 Crown Heights 1.704604  
## 53 Cypress Hills 2.274074  
## 54 Ditmars Steinway 1.799353  
## 55 Dongan Hills 1.857143  
## 56 Douglaston 2.750000  
## 57 Downtown Brooklyn 2.578313  
## 58 DUMBO 7.666667  
## 59 Dyker Heights 1.666667  
## 60 East Elmhurst 2.616216  
## 61 East Flatbush 3.748000  
## 62 East Harlem 2.386750  
## 63 East Morrisania 2.900000  
## 64 East New York 3.623853  
## 65 East Village 3.628710  
## 66 Eastchester 12.076923  
## 67 Edenwald 1.461538  
## 68 Edgemere 12.636364  
## 69 Elmhurst 8.649789  
## 70 Eltingville 1.666667  
## 71 Emerson Hill 1.400000  
## 72 Far Rockaway 9.000000  
## 73 Fieldston 1.250000  
## 74 Financial District 114.857527  
## 75 Flatbush 1.568438  
## 76 Flatiron District 7.387500  
## 77 Flatlands 1.855422  
## 78 Flushing 4.075117  
## 79 Fordham 3.857143  
## 80 Forest Hills 2.048611  
## 81 Fort Greene 2.887526  
## 82 Fort Hamilton 1.436364  
## 83 Fort Wadsworth 3.000000  
## 84 Fresh Meadows 2.312500  
## 85 Glendale 1.796296  
## 86 Gowanus 2.639676  
## 87 Gramercy 5.772189  
## 88 Graniteville 1.000000  
## 89 Grant City 2.333333  
## 90 Gravesend 3.294118  
## 91 Great Kills 1.800000  
## 92 Greenpoint 5.275336  
## 93 Greenwich Village 2.395408  
## 94 Grymes Hill 1.000000  
## 95 Harlem 2.189240  
## 96 Hell's Kitchen 12.854443  
## 97 Highbridge 2.259259  
## 98 Hollis 2.214286  
## 99 Holliswood 1.000000  
## 100 Howard Beach 1.800000  
## 101 Howland Hook 1.000000  
## 102 Huguenot 1.666667  
## 103 Hunts Point 3.555556  
## 104 Inwood 2.301587  
## 105 Jackson Heights 5.053763  
## 106 Jamaica 3.337662  
## 107 Jamaica Estates 1.368421  
## 108 Jamaica Hills 1.500000  
## 109 Kensington 1.988571  
## 110 Kew Gardens 2.250000  
## 111 Kew Gardens Hills 1.230769  
## 112 Kingsbridge 2.214286  
## 113 Kips Bay 15.463830  
## 114 Laurelton 2.444444  
## 115 Lighthouse Hill 1.000000  
## 116 Little Italy 5.090909  
## 117 Little Neck 2.600000  
## 118 Long Island City 2.223464  
## 119 Longwood 1.564516  
## 120 Lower East Side 2.642151  
## 121 Manhattan Beach 1.375000  
## 122 Marble Hill 1.500000  
## 123 Mariners Harbor 1.000000  
## 124 Maspeth 4.954545  
## 125 Melrose 1.000000  
## 126 Middle Village 1.967742  
## 127 Midland Beach 1.000000  
## 128 Midtown 16.193528  
## 129 Midwood 1.440367  
## 130 Mill Basin 1.000000  
## 131 Morningside Heights 1.421965  
## 132 Morris Heights 1.235294  
## 133 Morris Park 2.933333  
## 134 Morrisania 1.777778  
## 135 Mott Haven 1.666667  
## 136 Mount Eden 1.000000  
## 137 Mount Hope 1.900000  
## 138 Murray Hill 53.865979  
## 139 Navy Yard 1.285714  
## 140 Neponsit 1.000000  
## 141 New Brighton 1.400000  
## 142 New Dorp 1.000000  
## 143 New Dorp Beach 1.400000  
## 144 New Springville 1.750000  
## 145 NoHo 8.628205  
## 146 Nolita 3.837945  
## 147 North Riverdale 1.700000  
## 148 Norwood 1.193548  
## 149 Oakwood 2.200000  
## 150 Olinville 1.000000  
## 151 Ozone Park 1.838710  
## 152 Park Slope 1.387352  
## 153 Parkchester 1.743590  
## 154 Pelham Bay 1.411765  
## 155 Pelham Gardens 1.714286  
## 156 Port Morris 3.652174  
## 157 Port Richmond 2.333333  
## 158 Prince's Bay 1.000000  
## 159 Prospect-Lefferts Gardens 1.749533  
## 160 Prospect Heights 1.873950  
## 161 Queens Village 1.566667  
## 162 Randall Manor 2.473684  
## 163 Red Hook 1.240506  
## 164 Rego Park 2.452830  
## 165 Richmond Hill 2.563830  
## 166 Richmondtown 1.000000  
## 167 Ridgewood 3.075650  
## 168 Riverdale 1.545455  
## 169 Rockaway Beach 1.464286  
## 170 Roosevelt Island 1.259740  
## 171 Rosebank 1.000000  
## 172 Rosedale 2.084746  
## 173 Rossville 1.000000  
## 174 Schuylerville 3.000000  
## 175 Sea Gate 1.857143  
## 176 Sheepshead Bay 2.384146  
## 177 Shore Acres 1.000000  
## 178 Silver Lake 1.000000  
## 179 SoHo 3.326816  
## 180 Soundview 1.800000  
## 181 South Beach 2.000000  
## 182 South Ozone Park 3.325000  
## 183 South Slope 1.464789  
## 184 Springfield Gardens 2.917647  
## 185 Spuyten Duyvil 1.000000  
## 186 St. Albans 2.368421  
## 187 St. George 1.937500  
## 188 Stapleton 2.037037  
## 189 Stuyvesant Town 1.270270  
## 190 Sunnyside 7.002755  
## 191 Sunset Park 1.917949  
## 192 Theater District 64.944444  
## 193 Throgs Neck 2.333333  
## 194 Todt Hill 2.000000  
## 195 Tompkinsville 2.571429  
## 196 Tottenville 1.285714  
## 197 Tremont 1.818182  
## 198 Tribeca 42.971751  
## 199 Two Bridges 1.555556  
## 200 Unionport 1.428571  
## 201 University Heights 2.714286  
## 202 Upper East Side 9.055617  
## 203 Upper West Side 6.778285  
## 204 Van Nest 2.454545  
## 205 Vinegar Hill 1.264706  
## 206 Wakefield 1.640000  
## 207 Washington Heights 1.927697  
## 208 West Brighton 2.888889  
## 209 West Farms 1.000000  
## 210 West Village 6.535156  
## 211 Westchester Square 1.600000  
## 212 Westerleigh 1.000000  
## 213 Whitestone 1.727273  
## 214 Williamsbridge 2.200000  
## 215 Williamsburg 1.487245  
## 216 Willowbrook 2.000000  
## 217 Windsor Terrace 1.541401  
## 218 Woodhaven 3.738636  
## 219 Woodlawn 1.727273  
## 220 Woodrow 1.000000  
## 221 Woodside 19.378723

aggregate(Airbnb$calculated\_host\_listings\_count ~ Airbnb$neighbourhood, FUN = median)

## Airbnb$neighbourhood Airbnb$calculated\_host\_listings\_count  
## 1 Allerton 3.0  
## 2 Arden Heights 1.0  
## 3 Arrochar 4.0  
## 4 Arverne 1.0  
## 5 Astoria 1.0  
## 6 Bath Beach 2.0  
## 7 Battery Park City 1.0  
## 8 Bay Ridge 1.0  
## 9 Bay Terrace 1.0  
## 10 Bay Terrace, Staten Island 1.0  
## 11 Baychester 2.0  
## 12 Bayside 1.0  
## 13 Bayswater 1.0  
## 14 Bedford-Stuyvesant 1.0  
## 15 Belle Harbor 1.0  
## 16 Bellerose 1.0  
## 17 Belmont 1.5  
## 18 Bensonhurst 1.0  
## 19 Bergen Beach 1.0  
## 20 Boerum Hill 1.0  
## 21 Borough Park 3.0  
## 22 Breezy Point 2.0  
## 23 Briarwood 2.0  
## 24 Brighton Beach 1.0  
## 25 Bronxdale 1.0  
## 26 Brooklyn Heights 1.0  
## 27 Brownsville 1.0  
## 28 Bull's Head 2.5  
## 29 Bushwick 1.0  
## 30 Cambria Heights 1.0  
## 31 Canarsie 2.0  
## 32 Carroll Gardens 1.0  
## 33 Castle Hill 7.0  
## 34 Castleton Corners 1.0  
## 35 Chelsea 1.0  
## 36 Chinatown 1.0  
## 37 City Island 1.0  
## 38 Civic Center 1.0  
## 39 Claremont Village 1.5  
## 40 Clason Point 1.0  
## 41 Clifton 1.0  
## 42 Clinton Hill 1.0  
## 43 Co-op City 7.0  
## 44 Cobble Hill 1.0  
## 45 College Point 1.0  
## 46 Columbia St 1.0  
## 47 Concord 7.0  
## 48 Concourse 1.0  
## 49 Concourse Village 1.0  
## 50 Coney Island 2.0  
## 51 Corona 2.0  
## 52 Crown Heights 1.0  
## 53 Cypress Hills 2.0  
## 54 Ditmars Steinway 1.0  
## 55 Dongan Hills 1.0  
## 56 Douglaston 2.0  
## 57 Downtown Brooklyn 1.0  
## 58 DUMBO 1.0  
## 59 Dyker Heights 1.0  
## 60 East Elmhurst 2.0  
## 61 East Flatbush 2.0  
## 62 East Harlem 1.0  
## 63 East Morrisania 3.0  
## 64 East New York 2.0  
## 65 East Village 1.0  
## 66 Eastchester 13.0  
## 67 Edenwald 1.0  
## 68 Edgemere 1.0  
## 69 Elmhurst 2.0  
## 70 Eltingville 1.0  
## 71 Emerson Hill 1.0  
## 72 Far Rockaway 1.0  
## 73 Fieldston 1.0  
## 74 Financial District 3.0  
## 75 Flatbush 1.0  
## 76 Flatiron District 1.0  
## 77 Flatlands 1.0  
## 78 Flushing 3.0  
## 79 Fordham 2.0  
## 80 Forest Hills 1.0  
## 81 Fort Greene 1.0  
## 82 Fort Hamilton 1.0  
## 83 Fort Wadsworth 3.0  
## 84 Fresh Meadows 2.0  
## 85 Glendale 1.0  
## 86 Gowanus 1.0  
## 87 Gramercy 1.0  
## 88 Graniteville 1.0  
## 89 Grant City 2.5  
## 90 Gravesend 2.0  
## 91 Great Kills 1.5  
## 92 Greenpoint 1.0  
## 93 Greenwich Village 1.0  
## 94 Grymes Hill 1.0  
## 95 Harlem 1.0  
## 96 Hell's Kitchen 1.0  
## 97 Highbridge 1.0  
## 98 Hollis 2.0  
## 99 Holliswood 1.0  
## 100 Howard Beach 1.0  
## 101 Howland Hook 1.0  
## 102 Huguenot 2.0  
## 103 Hunts Point 4.0  
## 104 Inwood 1.0  
## 105 Jackson Heights 1.0  
## 106 Jamaica 2.0  
## 107 Jamaica Estates 1.0  
## 108 Jamaica Hills 1.5  
## 109 Kensington 1.0  
## 110 Kew Gardens 2.0  
## 111 Kew Gardens Hills 1.0  
## 112 Kingsbridge 1.0  
## 113 Kips Bay 1.0  
## 114 Laurelton 1.5  
## 115 Lighthouse Hill 1.0  
## 116 Little Italy 1.0  
## 117 Little Neck 1.0  
## 118 Long Island City 1.0  
## 119 Longwood 1.0  
## 120 Lower East Side 1.0  
## 121 Manhattan Beach 1.0  
## 122 Marble Hill 1.0  
## 123 Mariners Harbor 1.0  
## 124 Maspeth 1.5  
## 125 Melrose 1.0  
## 126 Middle Village 1.0  
## 127 Midland Beach 1.0  
## 128 Midtown 1.0  
## 129 Midwood 1.0  
## 130 Mill Basin 1.0  
## 131 Morningside Heights 1.0  
## 132 Morris Heights 1.0  
## 133 Morris Park 3.0  
## 134 Morrisania 1.0  
## 135 Mott Haven 1.0  
## 136 Mount Eden 1.0  
## 137 Mount Hope 1.0  
## 138 Murray Hill 2.0  
## 139 Navy Yard 1.0  
## 140 Neponsit 1.0  
## 141 New Brighton 1.0  
## 142 New Dorp 1.0  
## 143 New Dorp Beach 1.0  
## 144 New Springville 1.0  
## 145 NoHo 1.0  
## 146 Nolita 1.0  
## 147 North Riverdale 1.0  
## 148 Norwood 1.0  
## 149 Oakwood 3.0  
## 150 Olinville 1.0  
## 151 Ozone Park 1.0  
## 152 Park Slope 1.0  
## 153 Parkchester 1.0  
## 154 Pelham Bay 1.0  
## 155 Pelham Gardens 1.0  
## 156 Port Morris 2.0  
## 157 Port Richmond 3.0  
## 158 Prince's Bay 1.0  
## 159 Prospect-Lefferts Gardens 1.0  
## 160 Prospect Heights 1.0  
## 161 Queens Village 1.0  
## 162 Randall Manor 2.0  
## 163 Red Hook 1.0  
## 164 Rego Park 1.0  
## 165 Richmond Hill 2.0  
## 166 Richmondtown 1.0  
## 167 Ridgewood 1.0  
## 168 Riverdale 1.0  
## 169 Rockaway Beach 1.0  
## 170 Roosevelt Island 1.0  
## 171 Rosebank 1.0  
## 172 Rosedale 2.0  
## 173 Rossville 1.0  
## 174 Schuylerville 3.0  
## 175 Sea Gate 1.0  
## 176 Sheepshead Bay 1.0  
## 177 Shore Acres 1.0  
## 178 Silver Lake 1.0  
## 179 SoHo 1.0  
## 180 Soundview 2.0  
## 181 South Beach 1.0  
## 182 South Ozone Park 2.5  
## 183 South Slope 1.0  
## 184 Springfield Gardens 2.0  
## 185 Spuyten Duyvil 1.0  
## 186 St. Albans 2.0  
## 187 St. George 1.0  
## 188 Stapleton 2.0  
## 189 Stuyvesant Town 1.0  
## 190 Sunnyside 1.0  
## 191 Sunset Park 1.0  
## 192 Theater District 7.0  
## 193 Throgs Neck 1.0  
## 194 Todt Hill 2.0  
## 195 Tompkinsville 2.0  
## 196 Tottenville 1.0  
## 197 Tremont 2.0  
## 198 Tribeca 1.0  
## 199 Two Bridges 1.0  
## 200 Unionport 1.0  
## 201 University Heights 2.0  
## 202 Upper East Side 1.0  
## 203 Upper West Side 1.0  
## 204 Van Nest 3.0  
## 205 Vinegar Hill 1.0  
## 206 Wakefield 1.0  
## 207 Washington Heights 1.0  
## 208 West Brighton 3.0  
## 209 West Farms 1.0  
## 210 West Village 1.0  
## 211 Westchester Square 2.0  
## 212 Westerleigh 1.0  
## 213 Whitestone 1.0  
## 214 Williamsbridge 2.0  
## 215 Williamsburg 1.0  
## 216 Willowbrook 2.0  
## 217 Windsor Terrace 1.0  
## 218 Woodhaven 2.0  
## 219 Woodlawn 1.0  
## 220 Woodrow 1.0  
## 221 Woodside 2.0

aggregate(Airbnb$calculated\_host\_listings\_count ~ Airbnb$neighbourhood, FUN = max)

## Airbnb$neighbourhood Airbnb$calculated\_host\_listings\_count  
## 1 Allerton 5  
## 2 Arden Heights 1  
## 3 Arrochar 8  
## 4 Arverne 5  
## 5 Astoria 103  
## 6 Bath Beach 2  
## 7 Battery Park City 232  
## 8 Bay Ridge 12  
## 9 Bay Terrace 2  
## 10 Bay Terrace, Staten Island 1  
## 11 Baychester 2  
## 12 Bayside 5  
## 13 Bayswater 2  
## 14 Bedford-Stuyvesant 43  
## 15 Belle Harbor 2  
## 16 Bellerose 2  
## 17 Belmont 3  
## 18 Bensonhurst 12  
## 19 Bergen Beach 2  
## 20 Boerum Hill 21  
## 21 Borough Park 43  
## 22 Breezy Point 2  
## 23 Briarwood 18  
## 24 Brighton Beach 9  
## 25 Bronxdale 2  
## 26 Brooklyn Heights 2  
## 27 Brownsville 10  
## 28 Bull's Head 3  
## 29 Bushwick 103  
## 30 Cambria Heights 4  
## 31 Canarsie 5  
## 32 Carroll Gardens 5  
## 33 Castle Hill 7  
## 34 Castleton Corners 1  
## 35 Chelsea 327  
## 36 Chinatown 12  
## 37 City Island 4  
## 38 Civic Center 52  
## 39 Claremont Village 7  
## 40 Clason Point 7  
## 41 Clifton 7  
## 42 Clinton Hill 21  
## 43 Co-op City 13  
## 44 Cobble Hill 3  
## 45 College Point 2  
## 46 Columbia St 5  
## 47 Concord 8  
## 48 Concourse 3  
## 49 Concourse Village 3  
## 50 Coney Island 10  
## 51 Corona 8  
## 52 Crown Heights 43  
## 53 Cypress Hills 6  
## 54 Ditmars Steinway 8  
## 55 Dongan Hills 3  
## 56 Douglaston 5  
## 57 Downtown Brooklyn 87  
## 58 DUMBO 232  
## 59 Dyker Heights 5  
## 60 East Elmhurst 7  
## 61 East Flatbush 43  
## 62 East Harlem 103  
## 63 East Morrisania 4  
## 64 East New York 13  
## 65 East Village 232  
## 66 Eastchester 13  
## 67 Edenwald 3  
## 68 Edgemere 43  
## 69 Elmhurst 103  
## 70 Eltingville 3  
## 71 Emerson Hill 3  
## 72 Far Rockaway 43  
## 73 Fieldston 2  
## 74 Financial District 327  
## 75 Flatbush 7  
## 76 Flatiron District 232  
## 77 Flatlands 8  
## 78 Flushing 15  
## 79 Fordham 10  
## 80 Forest Hills 6  
## 81 Fort Greene 43  
## 82 Fort Hamilton 4  
## 83 Fort Wadsworth 3  
## 84 Fresh Meadows 5  
## 85 Glendale 6  
## 86 Gowanus 17  
## 87 Gramercy 232  
## 88 Graniteville 1  
## 89 Grant City 3  
## 90 Gravesend 12  
## 91 Great Kills 3  
## 92 Greenpoint 52  
## 93 Greenwich Village 91  
## 94 Grymes Hill 1  
## 95 Harlem 103  
## 96 Hell's Kitchen 327  
## 97 Highbridge 5  
## 98 Hollis 7  
## 99 Holliswood 1  
## 100 Howard Beach 4  
## 101 Howland Hook 1  
## 102 Huguenot 2  
## 103 Hunts Point 6  
## 104 Inwood 37  
## 105 Jackson Heights 103  
## 106 Jamaica 18  
## 107 Jamaica Estates 2  
## 108 Jamaica Hills 2  
## 109 Kensington 11  
## 110 Kew Gardens 5  
## 111 Kew Gardens Hills 2  
## 112 Kingsbridge 37  
## 113 Kips Bay 232  
## 114 Laurelton 5  
## 115 Lighthouse Hill 1  
## 116 Little Italy 91  
## 117 Little Neck 5  
## 118 Long Island City 103  
## 119 Longwood 4  
## 120 Lower East Side 232  
## 121 Manhattan Beach 2  
## 122 Marble Hill 3  
## 123 Mariners Harbor 1  
## 124 Maspeth 103  
## 125 Melrose 1  
## 126 Middle Village 5  
## 127 Midland Beach 1  
## 128 Midtown 327  
## 129 Midwood 4  
## 130 Mill Basin 1  
## 131 Morningside Heights 12  
## 132 Morris Heights 2  
## 133 Morris Park 5  
## 134 Morrisania 4  
## 135 Mott Haven 4  
## 136 Mount Eden 1  
## 137 Mount Hope 7  
## 138 Murray Hill 327  
## 139 Navy Yard 3  
## 140 Neponsit 1  
## 141 New Brighton 2  
## 142 New Dorp 1  
## 143 New Dorp Beach 2  
## 144 New Springville 3  
## 145 NoHo 232  
## 146 Nolita 232  
## 147 North Riverdale 3  
## 148 Norwood 4  
## 149 Oakwood 3  
## 150 Olinville 1  
## 151 Ozone Park 4  
## 152 Park Slope 43  
## 153 Parkchester 4  
## 154 Pelham Bay 3  
## 155 Pelham Gardens 4  
## 156 Port Morris 8  
## 157 Port Richmond 3  
## 158 Prince's Bay 1  
## 159 Prospect-Lefferts Gardens 43  
## 160 Prospect Heights 21  
## 161 Queens Village 4  
## 162 Randall Manor 5  
## 163 Red Hook 5  
## 164 Rego Park 10  
## 165 Richmond Hill 7  
## 166 Richmondtown 1  
## 167 Ridgewood 23  
## 168 Riverdale 3  
## 169 Rockaway Beach 4  
## 170 Roosevelt Island 2  
## 171 Rosebank 1  
## 172 Rosedale 5  
## 173 Rossville 1  
## 174 Schuylerville 5  
## 175 Sea Gate 3  
## 176 Sheepshead Bay 10  
## 177 Shore Acres 1  
## 178 Silver Lake 1  
## 179 SoHo 232  
## 180 Soundview 3  
## 181 South Beach 7  
## 182 South Ozone Park 8  
## 183 South Slope 11  
## 184 Springfield Gardens 8  
## 185 Spuyten Duyvil 1  
## 186 St. Albans 5  
## 187 St. George 6  
## 188 Stapleton 4  
## 189 Stuyvesant Town 5  
## 190 Sunnyside 103  
## 191 Sunset Park 21  
## 192 Theater District 327  
## 193 Throgs Neck 5  
## 194 Todt Hill 3  
## 195 Tompkinsville 6  
## 196 Tottenville 2  
## 197 Tremont 3  
## 198 Tribeca 232  
## 199 Two Bridges 5  
## 200 Unionport 2  
## 201 University Heights 5  
## 202 Upper East Side 327  
## 203 Upper West Side 232  
## 204 Van Nest 4  
## 205 Vinegar Hill 3  
## 206 Wakefield 4  
## 207 Washington Heights 34  
## 208 West Brighton 5  
## 209 West Farms 1  
## 210 West Village 232  
## 211 Westchester Square 2  
## 212 Westerleigh 1  
## 213 Whitestone 3  
## 214 Williamsbridge 5  
## 215 Williamsburg 232  
## 216 Willowbrook 2  
## 217 Windsor Terrace 11  
## 218 Woodhaven 9  
## 219 Woodlawn 4  
## 220 Woodrow 1  
## 221 Woodside 103

aggregate(Airbnb$calculated\_host\_listings\_count ~ Airbnb$neighbourhood, FUN = min)

## Airbnb$neighbourhood Airbnb$calculated\_host\_listings\_count  
## 1 Allerton 1  
## 2 Arden Heights 1  
## 3 Arrochar 1  
## 4 Arverne 1  
## 5 Astoria 1  
## 6 Bath Beach 1  
## 7 Battery Park City 1  
## 8 Bay Ridge 1  
## 9 Bay Terrace 1  
## 10 Bay Terrace, Staten Island 1  
## 11 Baychester 1  
## 12 Bayside 1  
## 13 Bayswater 1  
## 14 Bedford-Stuyvesant 1  
## 15 Belle Harbor 1  
## 16 Bellerose 1  
## 17 Belmont 1  
## 18 Bensonhurst 1  
## 19 Bergen Beach 1  
## 20 Boerum Hill 1  
## 21 Borough Park 1  
## 22 Breezy Point 1  
## 23 Briarwood 1  
## 24 Brighton Beach 1  
## 25 Bronxdale 1  
## 26 Brooklyn Heights 1  
## 27 Brownsville 1  
## 28 Bull's Head 1  
## 29 Bushwick 1  
## 30 Cambria Heights 1  
## 31 Canarsie 1  
## 32 Carroll Gardens 1  
## 33 Castle Hill 1  
## 34 Castleton Corners 1  
## 35 Chelsea 1  
## 36 Chinatown 1  
## 37 City Island 1  
## 38 Civic Center 1  
## 39 Claremont Village 1  
## 40 Clason Point 1  
## 41 Clifton 1  
## 42 Clinton Hill 1  
## 43 Co-op City 1  
## 44 Cobble Hill 1  
## 45 College Point 1  
## 46 Columbia St 1  
## 47 Concord 1  
## 48 Concourse 1  
## 49 Concourse Village 1  
## 50 Coney Island 1  
## 51 Corona 1  
## 52 Crown Heights 1  
## 53 Cypress Hills 1  
## 54 Ditmars Steinway 1  
## 55 Dongan Hills 1  
## 56 Douglaston 1  
## 57 Downtown Brooklyn 1  
## 58 DUMBO 1  
## 59 Dyker Heights 1  
## 60 East Elmhurst 1  
## 61 East Flatbush 1  
## 62 East Harlem 1  
## 63 East Morrisania 1  
## 64 East New York 1  
## 65 East Village 1  
## 66 Eastchester 1  
## 67 Edenwald 1  
## 68 Edgemere 1  
## 69 Elmhurst 1  
## 70 Eltingville 1  
## 71 Emerson Hill 1  
## 72 Far Rockaway 1  
## 73 Fieldston 1  
## 74 Financial District 1  
## 75 Flatbush 1  
## 76 Flatiron District 1  
## 77 Flatlands 1  
## 78 Flushing 1  
## 79 Fordham 1  
## 80 Forest Hills 1  
## 81 Fort Greene 1  
## 82 Fort Hamilton 1  
## 83 Fort Wadsworth 3  
## 84 Fresh Meadows 1  
## 85 Glendale 1  
## 86 Gowanus 1  
## 87 Gramercy 1  
## 88 Graniteville 1  
## 89 Grant City 1  
## 90 Gravesend 1  
## 91 Great Kills 1  
## 92 Greenpoint 1  
## 93 Greenwich Village 1  
## 94 Grymes Hill 1  
## 95 Harlem 1  
## 96 Hell's Kitchen 1  
## 97 Highbridge 1  
## 98 Hollis 1  
## 99 Holliswood 1  
## 100 Howard Beach 1  
## 101 Howland Hook 1  
## 102 Huguenot 1  
## 103 Hunts Point 1  
## 104 Inwood 1  
## 105 Jackson Heights 1  
## 106 Jamaica 1  
## 107 Jamaica Estates 1  
## 108 Jamaica Hills 1  
## 109 Kensington 1  
## 110 Kew Gardens 1  
## 111 Kew Gardens Hills 1  
## 112 Kingsbridge 1  
## 113 Kips Bay 1  
## 114 Laurelton 1  
## 115 Lighthouse Hill 1  
## 116 Little Italy 1  
## 117 Little Neck 1  
## 118 Long Island City 1  
## 119 Longwood 1  
## 120 Lower East Side 1  
## 121 Manhattan Beach 1  
## 122 Marble Hill 1  
## 123 Mariners Harbor 1  
## 124 Maspeth 1  
## 125 Melrose 1  
## 126 Middle Village 1  
## 127 Midland Beach 1  
## 128 Midtown 1  
## 129 Midwood 1  
## 130 Mill Basin 1  
## 131 Morningside Heights 1  
## 132 Morris Heights 1  
## 133 Morris Park 1  
## 134 Morrisania 1  
## 135 Mott Haven 1  
## 136 Mount Eden 1  
## 137 Mount Hope 1  
## 138 Murray Hill 1  
## 139 Navy Yard 1  
## 140 Neponsit 1  
## 141 New Brighton 1  
## 142 New Dorp 1  
## 143 New Dorp Beach 1  
## 144 New Springville 1  
## 145 NoHo 1  
## 146 Nolita 1  
## 147 North Riverdale 1  
## 148 Norwood 1  
## 149 Oakwood 1  
## 150 Olinville 1  
## 151 Ozone Park 1  
## 152 Park Slope 1  
## 153 Parkchester 1  
## 154 Pelham Bay 1  
## 155 Pelham Gardens 1  
## 156 Port Morris 1  
## 157 Port Richmond 1  
## 158 Prince's Bay 1  
## 159 Prospect-Lefferts Gardens 1  
## 160 Prospect Heights 1  
## 161 Queens Village 1  
## 162 Randall Manor 1  
## 163 Red Hook 1  
## 164 Rego Park 1  
## 165 Richmond Hill 1  
## 166 Richmondtown 1  
## 167 Ridgewood 1  
## 168 Riverdale 1  
## 169 Rockaway Beach 1  
## 170 Roosevelt Island 1  
## 171 Rosebank 1  
## 172 Rosedale 1  
## 173 Rossville 1  
## 174 Schuylerville 1  
## 175 Sea Gate 1  
## 176 Sheepshead Bay 1  
## 177 Shore Acres 1  
## 178 Silver Lake 1  
## 179 SoHo 1  
## 180 Soundview 1  
## 181 South Beach 1  
## 182 South Ozone Park 1  
## 183 South Slope 1  
## 184 Springfield Gardens 1  
## 185 Spuyten Duyvil 1  
## 186 St. Albans 1  
## 187 St. George 1  
## 188 Stapleton 1  
## 189 Stuyvesant Town 1  
## 190 Sunnyside 1  
## 191 Sunset Park 1  
## 192 Theater District 1  
## 193 Throgs Neck 1  
## 194 Todt Hill 1  
## 195 Tompkinsville 1  
## 196 Tottenville 1  
## 197 Tremont 1  
## 198 Tribeca 1  
## 199 Two Bridges 1  
## 200 Unionport 1  
## 201 University Heights 1  
## 202 Upper East Side 1  
## 203 Upper West Side 1  
## 204 Van Nest 1  
## 205 Vinegar Hill 1  
## 206 Wakefield 1  
## 207 Washington Heights 1  
## 208 West Brighton 1  
## 209 West Farms 1  
## 210 West Village 1  
## 211 Westchester Square 1  
## 212 Westerleigh 1  
## 213 Whitestone 1  
## 214 Williamsbridge 1  
## 215 Williamsburg 1  
## 216 Willowbrook 2  
## 217 Windsor Terrace 1  
## 218 Woodhaven 1  
## 219 Woodlawn 1  
## 220 Woodrow 1  
## 221 Woodside 1

aggregate(Airbnb$availability\_365 ~ Airbnb$neighbourhood\_group, FUN = mean)

## Airbnb$neighbourhood\_group Airbnb$availability\_365  
## 1 Bronx 165.7589  
## 2 Brooklyn 100.2323  
## 3 Manhattan 111.9794  
## 4 Queens 144.4518  
## 5 Staten Island 199.6783

aggregate(Airbnb$availability\_365 ~ Airbnb$neighbourhood\_group, FUN = median)

## Airbnb$neighbourhood\_group Airbnb$availability\_365  
## 1 Bronx 148  
## 2 Brooklyn 28  
## 3 Manhattan 36  
## 4 Queens 98  
## 5 Staten Island 219

aggregate(Airbnb$availability\_365 ~ Airbnb$neighbourhood\_group, FUN = max)

## Airbnb$neighbourhood\_group Airbnb$availability\_365  
## 1 Bronx 365  
## 2 Brooklyn 365  
## 3 Manhattan 365  
## 4 Queens 365  
## 5 Staten Island 365

aggregate(Airbnb$availability\_365 ~ Airbnb$neighbourhood\_group, FUN = min)

## Airbnb$neighbourhood\_group Airbnb$availability\_365  
## 1 Bronx 0  
## 2 Brooklyn 0  
## 3 Manhattan 0  
## 4 Queens 0  
## 5 Staten Island 0

aggregate(Airbnb$availability\_365 ~ Airbnb$neighbourhood, FUN = mean)

## Airbnb$neighbourhood Airbnb$availability\_365  
## 1 Allerton 163.66667  
## 2 Arden Heights 94.25000  
## 3 Arrochar 255.80952  
## 4 Arverne 188.42857  
## 5 Astoria 109.19111  
## 6 Bath Beach 196.11765  
## 7 Battery Park City 100.32857  
## 8 Bay Ridge 142.92908  
## 9 Bay Terrace 222.50000  
## 10 Bay Terrace, Staten Island 0.00000  
## 11 Baychester 157.85714  
## 12 Bayside 189.92308  
## 13 Bayswater 207.35294  
## 14 Bedford-Stuyvesant 116.63463  
## 15 Belle Harbor 186.62500  
## 16 Bellerose 242.85714  
## 17 Belmont 187.66667  
## 18 Bensonhurst 134.84000  
## 19 Bergen Beach 138.20000  
## 20 Boerum Hill 77.27119  
## 21 Borough Park 168.32353  
## 22 Breezy Point 100.33333  
## 23 Briarwood 177.92857  
## 24 Brighton Beach 170.86667  
## 25 Bronxdale 145.42105  
## 26 Brooklyn Heights 66.03896  
## 27 Brownsville 121.32787  
## 28 Bull's Head 165.66667  
## 29 Bushwick 95.55091  
## 30 Cambria Heights 144.11538  
## 31 Canarsie 223.87075  
## 32 Carroll Gardens 71.66953  
## 33 Castle Hill 159.33333  
## 34 Castleton Corners 188.75000  
## 35 Chelsea 113.99551  
## 36 Chinatown 90.79620  
## 37 City Island 131.22222  
## 38 Civic Center 68.26923  
## 39 Claremont Village 179.67857  
## 40 Clason Point 231.28571  
## 41 Clifton 189.40000  
## 42 Clinton Hill 95.01399  
## 43 Co-op City 364.00000  
## 44 Cobble Hill 63.21212  
## 45 College Point 141.63158  
## 46 Columbia St 69.09524  
## 47 Concord 255.57692  
## 48 Concourse 160.04000  
## 49 Concourse Village 159.53125  
## 50 Coney Island 163.23529  
## 51 Corona 244.17188  
## 52 Crown Heights 96.02046  
## 53 Cypress Hills 168.49630  
## 54 Ditmars Steinway 117.73786  
## 55 Dongan Hills 157.28571  
## 56 Douglaston 205.62500  
## 57 Downtown Brooklyn 39.48193  
## 58 DUMBO 114.47222  
## 59 Dyker Heights 144.75000  
## 60 East Elmhurst 169.49189  
## 61 East Flatbush 180.94400  
## 62 East Harlem 98.97314  
## 63 East Morrisania 193.50000  
## 64 East New York 186.53670  
## 65 East Village 74.62385  
## 66 Eastchester 333.46154  
## 67 Edenwald 213.46154  
## 68 Edgemere 275.27273  
## 69 Elmhurst 128.39662  
## 70 Eltingville 193.00000  
## 71 Emerson Hill 80.80000  
## 72 Far Rockaway 165.86207  
## 73 Fieldston 143.75000  
## 74 Financial District 191.53629  
## 75 Flatbush 94.48470  
## 76 Flatiron District 123.05000  
## 77 Flatlands 197.24096  
## 78 Flushing 166.25117  
## 79 Fordham 143.55556  
## 80 Forest Hills 127.73611  
## 81 Fort Greene 90.14928  
## 82 Fort Hamilton 151.00000  
## 83 Fort Wadsworth 365.00000  
## 84 Fresh Meadows 137.96875  
## 85 Glendale 147.27778  
## 86 Gowanus 122.71660  
## 87 Gramercy 94.52663  
## 88 Graniteville 163.00000  
## 89 Grant City 240.33333  
## 90 Gravesend 130.19118  
## 91 Great Kills 148.60000  
## 92 Greenpoint 79.07713  
## 93 Greenwich Village 82.05102  
## 94 Grymes Hill 141.57143  
## 95 Harlem 106.57750  
## 96 Hell's Kitchen 138.84678  
## 97 Highbridge 158.55556  
## 98 Hollis 145.78571  
## 99 Holliswood 169.50000  
## 100 Howard Beach 208.50000  
## 101 Howland Hook 225.50000  
## 102 Huguenot 208.00000  
## 103 Hunts Point 239.16667  
## 104 Inwood 98.54762  
## 105 Jackson Heights 150.27957  
## 106 Jamaica 188.50649  
## 107 Jamaica Estates 171.31579  
## 108 Jamaica Hills 140.12500  
## 109 Kensington 83.94857  
## 110 Kew Gardens 201.15625  
## 111 Kew Gardens Hills 124.61538  
## 112 Kingsbridge 157.94286  
## 113 Kips Bay 121.71702  
## 114 Laurelton 184.61111  
## 115 Lighthouse Hill 215.50000  
## 116 Little Italy 100.33884  
## 117 Little Neck 81.20000  
## 118 Long Island City 118.25698  
## 119 Longwood 154.22581  
## 120 Lower East Side 97.16575  
## 121 Manhattan Beach 205.62500  
## 122 Marble Hill 114.66667  
## 123 Mariners Harbor 191.50000  
## 124 Maspeth 187.50909  
## 125 Melrose 93.60000  
## 126 Middle Village 211.00000  
## 127 Midland Beach 236.00000  
## 128 Midtown 157.70356  
## 129 Midwood 97.81651  
## 130 Mill Basin 290.00000  
## 131 Morningside Heights 43.05491  
## 132 Morris Heights 198.23529  
## 133 Morris Park 126.00000  
## 134 Morrisania 135.50000  
## 135 Mott Haven 146.93333  
## 136 Mount Eden 136.16667  
## 137 Mount Hope 155.65000  
## 138 Murray Hill 173.32165  
## 139 Navy Yard 48.92857  
## 140 Neponsit 231.00000  
## 141 New Brighton 142.60000  
## 142 New Dorp 0.00000  
## 143 New Dorp Beach 174.40000  
## 144 New Springville 65.25000  
## 145 NoHo 101.82051  
## 146 Nolita 69.81028  
## 147 North Riverdale 166.00000  
## 148 Norwood 154.29032  
## 149 Oakwood 188.40000  
## 150 Olinville 172.50000  
## 151 Ozone Park 153.83871  
## 152 Park Slope 88.78656  
## 153 Parkchester 140.43590  
## 154 Pelham Bay 201.64706  
## 155 Pelham Gardens 146.35714  
## 156 Port Morris 152.17391  
## 157 Port Richmond 191.00000  
## 158 Prince's Bay 110.50000  
## 159 Prospect-Lefferts Gardens 95.11028  
## 160 Prospect Heights 77.51541  
## 161 Queens Village 166.43333  
## 162 Randall Manor 275.21053  
## 163 Red Hook 96.20253  
## 164 Rego Park 133.56604  
## 165 Richmond Hill 194.93617  
## 166 Richmondtown 300.00000  
## 167 Ridgewood 114.42553  
## 168 Riverdale 160.81818  
## 169 Rockaway Beach 162.42857  
## 170 Roosevelt Island 72.58442  
## 171 Rosebank 175.14286  
## 172 Rosedale 177.94915  
## 173 Rossville 59.00000  
## 174 Schuylerville 143.23077  
## 175 Sea Gate 65.57143  
## 176 Sheepshead Bay 160.53659  
## 177 Shore Acres 114.57143  
## 178 Silver Lake 162.00000  
## 179 SoHo 110.35754  
## 180 Soundview 133.66667  
## 181 South Beach 182.87500  
## 182 South Ozone Park 226.10000  
## 183 South Slope 83.76056  
## 184 Springfield Gardens 204.01176  
## 185 Spuyten Duyvil 270.00000  
## 186 St. Albans 225.97368  
## 187 St. George 191.75000  
## 188 Stapleton 215.62963  
## 189 Stuyvesant Town 65.10811  
## 190 Sunnyside 125.70799  
## 191 Sunset Park 106.64103  
## 192 Theater District 201.87153  
## 193 Throgs Neck 175.79167  
## 194 Todt Hill 89.00000  
## 195 Tompkinsville 209.42857  
## 196 Tottenville 267.57143  
## 197 Tremont 119.00000  
## 198 Tribeca 126.50847  
## 199 Two Bridges 86.23611  
## 200 Unionport 244.00000  
## 201 University Heights 135.28571  
## 202 Upper East Side 112.79811  
## 203 Upper West Side 96.58346  
## 204 Van Nest 156.36364  
## 205 Vinegar Hill 79.52941  
## 206 Wakefield 197.70000  
## 207 Washington Heights 98.93215  
## 208 West Brighton 274.72222  
## 209 West Farms 244.50000  
## 210 West Village 85.45964  
## 211 Westchester Square 159.70000  
## 212 Westerleigh 112.50000  
## 213 Whitestone 177.27273  
## 214 Williamsbridge 224.45000  
## 215 Williamsburg 74.72270  
## 216 Willowbrook 351.00000  
## 217 Windsor Terrace 81.88535  
## 218 Woodhaven 200.92045  
## 219 Woodlawn 98.27273  
## 220 Woodrow 0.00000  
## 221 Woodside 130.21702

aggregate(Airbnb$availability\_365 ~ Airbnb$neighbourhood, FUN = median)

## Airbnb$neighbourhood Airbnb$availability\_365  
## 1 Allerton 163.0  
## 2 Arden Heights 30.5  
## 3 Arrochar 306.0  
## 4 Arverne 159.0  
## 5 Astoria 37.5  
## 6 Bath Beach 306.0  
## 7 Battery Park City 0.0  
## 8 Bay Ridge 125.0  
## 9 Bay Terrace 246.5  
## 10 Bay Terrace, Staten Island 0.0  
## 11 Baychester 129.0  
## 12 Bayside 169.0  
## 13 Bayswater 189.0  
## 14 Bedford-Stuyvesant 59.5  
## 15 Belle Harbor 188.0  
## 16 Bellerose 311.5  
## 17 Belmont 263.5  
## 18 Bensonhurst 96.0  
## 19 Bergen Beach 106.0  
## 20 Boerum Hill 6.0  
## 21 Borough Park 166.0  
## 22 Breezy Point 82.0  
## 23 Briarwood 169.5  
## 24 Brighton Beach 169.0  
## 25 Bronxdale 163.0  
## 26 Brooklyn Heights 4.5  
## 27 Brownsville 66.0  
## 28 Bull's Head 134.0  
## 29 Bushwick 19.0  
## 30 Cambria Heights 83.0  
## 31 Canarsie 270.0  
## 32 Carroll Gardens 4.0  
## 33 Castle Hill 177.0  
## 34 Castleton Corners 195.0  
## 35 Chelsea 32.0  
## 36 Chinatown 19.0  
## 37 City Island 136.5  
## 38 Civic Center 7.5  
## 39 Claremont Village 161.0  
## 40 Clason Point 283.0  
## 41 Clifton 256.0  
## 42 Clinton Hill 12.0  
## 43 Co-op City 364.0  
## 44 Cobble Hill 6.0  
## 45 College Point 78.0  
## 46 Columbia St 13.0  
## 47 Concord 320.0  
## 48 Concourse 173.0  
## 49 Concourse Village 173.5  
## 50 Coney Island 150.0  
## 51 Corona 324.5  
## 52 Crown Heights 20.0  
## 53 Cypress Hills 167.0  
## 54 Ditmars Steinway 43.0  
## 55 Dongan Hills 134.0  
## 56 Douglaston 233.0  
## 57 Downtown Brooklyn 0.0  
## 58 DUMBO 36.0  
## 59 Dyker Heights 138.0  
## 60 East Elmhurst 150.0  
## 61 East Flatbush 174.0  
## 62 East Harlem 36.0  
## 63 East Morrisania 149.0  
## 64 East New York 179.0  
## 65 East Village 3.0  
## 66 Eastchester 359.0  
## 67 Edenwald 189.0  
## 68 Edgemere 313.0  
## 69 Elmhurst 89.0  
## 70 Eltingville 258.0  
## 71 Emerson Hill 64.0  
## 72 Far Rockaway 124.0  
## 73 Fieldston 132.5  
## 74 Financial District 253.0  
## 75 Flatbush 20.0  
## 76 Flatiron District 19.0  
## 77 Flatlands 180.0  
## 78 Flushing 135.5  
## 79 Fordham 84.0  
## 80 Forest Hills 86.5  
## 81 Fort Greene 15.0  
## 82 Fort Hamilton 141.0  
## 83 Fort Wadsworth 365.0  
## 84 Fresh Meadows 68.0  
## 85 Glendale 118.5  
## 86 Gowanus 46.0  
## 87 Gramercy 12.0  
## 88 Graniteville 226.0  
## 89 Grant City 276.5  
## 90 Gravesend 87.0  
## 91 Great Kills 109.0  
## 92 Greenpoint 4.0  
## 93 Greenwich Village 7.0  
## 94 Grymes Hill 65.0  
## 95 Harlem 43.0  
## 96 Hell's Kitchen 93.5  
## 97 Highbridge 134.0  
## 98 Hollis 89.0  
## 99 Holliswood 157.5  
## 100 Howard Beach 286.5  
## 101 Howland Hook 225.5  
## 102 Huguenot 229.0  
## 103 Hunts Point 330.5  
## 104 Inwood 19.5  
## 105 Jackson Heights 126.5  
## 106 Jamaica 175.0  
## 107 Jamaica Estates 147.0  
## 108 Jamaica Hills 131.5  
## 109 Kensington 21.0  
## 110 Kew Gardens 290.5  
## 111 Kew Gardens Hills 89.5  
## 112 Kingsbridge 86.5  
## 113 Kips Bay 33.5  
## 114 Laurelton 180.0  
## 115 Lighthouse Hill 215.5  
## 116 Little Italy 35.0  
## 117 Little Neck 88.0  
## 118 Long Island City 50.0  
## 119 Longwood 111.0  
## 120 Lower East Side 20.0  
## 121 Manhattan Beach 242.0  
## 122 Marble Hill 26.0  
## 123 Mariners Harbor 176.5  
## 124 Maspeth 185.5  
## 125 Melrose 90.5  
## 126 Middle Village 230.0  
## 127 Midland Beach 260.5  
## 128 Midtown 151.0  
## 129 Midwood 49.0  
## 130 Mill Basin 330.5  
## 131 Morningside Heights 0.0  
## 132 Morris Heights 241.0  
## 133 Morris Park 76.0  
## 134 Morrisania 90.0  
## 135 Mott Haven 96.5  
## 136 Mount Eden 104.0  
## 137 Mount Hope 93.5  
## 138 Murray Hill 158.0  
## 139 Navy Yard 0.0  
## 140 Neponsit 315.0  
## 141 New Brighton 115.0  
## 142 New Dorp 0.0  
## 143 New Dorp Beach 178.0  
## 144 New Springville 83.0  
## 145 NoHo 44.5  
## 146 Nolita 3.0  
## 147 North Riverdale 174.5  
## 148 Norwood 153.0  
## 149 Oakwood 179.0  
## 150 Olinville 189.0  
## 151 Ozone Park 129.5  
## 152 Park Slope 12.5  
## 153 Parkchester 81.0  
## 154 Pelham Bay 252.0  
## 155 Pelham Gardens 126.5  
## 156 Port Morris 89.0  
## 157 Port Richmond 283.0  
## 158 Prince's Bay 44.5  
## 159 Prospect-Lefferts Gardens 24.0  
## 160 Prospect Heights 5.0  
## 161 Queens Village 138.5  
## 162 Randall Manor 340.0  
## 163 Red Hook 43.0  
## 164 Rego Park 96.0  
## 165 Richmond Hill 179.0  
## 166 Richmondtown 300.0  
## 167 Ridgewood 64.0  
## 168 Riverdale 179.0  
## 169 Rockaway Beach 139.0  
## 170 Roosevelt Island 0.0  
## 171 Rosebank 179.0  
## 172 Rosedale 164.0  
## 173 Rossville 59.0  
## 174 Schuylerville 147.0  
## 175 Sea Gate 0.0  
## 176 Sheepshead Bay 125.0  
## 177 Shore Acres 89.0  
## 178 Silver Lake 162.0  
## 179 SoHo 42.0  
## 180 Soundview 109.0  
## 181 South Beach 151.5  
## 182 South Ozone Park 268.5  
## 183 South Slope 12.0  
## 184 Springfield Gardens 179.0  
## 185 Spuyten Duyvil 322.0  
## 186 St. Albans 260.5  
## 187 St. George 199.0  
## 188 Stapleton 252.0  
## 189 Stuyvesant Town 0.0  
## 190 Sunnyside 76.0  
## 191 Sunset Park 35.0  
## 192 Theater District 252.5  
## 193 Throgs Neck 136.5  
## 194 Todt Hill 44.0  
## 195 Tompkinsville 242.0  
## 196 Tottenville 299.0  
## 197 Tremont 107.0  
## 198 Tribeca 66.0  
## 199 Two Bridges 39.5  
## 200 Unionport 247.0  
## 201 University Heights 80.0  
## 202 Upper East Side 30.5  
## 203 Upper West Side 10.0  
## 204 Van Nest 114.0  
## 205 Vinegar Hill 11.5  
## 206 Wakefield 180.5  
## 207 Washington Heights 31.0  
## 208 West Brighton 310.5  
## 209 West Farms 244.5  
## 210 West Village 6.0  
## 211 Westchester Square 132.0  
## 212 Westerleigh 112.5  
## 213 Whitestone 157.0  
## 214 Williamsbridge 307.5  
## 215 Williamsburg 3.5  
## 216 Willowbrook 351.0  
## 217 Windsor Terrace 16.0  
## 218 Woodhaven 224.0  
## 219 Woodlawn 51.0  
## 220 Woodrow 0.0  
## 221 Woodside 89.0

aggregate(Airbnb$availability\_365 ~ Airbnb$neighbourhood, FUN = max)

## Airbnb$neighbourhood Airbnb$availability\_365  
## 1 Allerton 364  
## 2 Arden Heights 316  
## 3 Arrochar 362  
## 4 Arverne 364  
## 5 Astoria 365  
## 6 Bath Beach 364  
## 7 Battery Park City 365  
## 8 Bay Ridge 365  
## 9 Bay Terrace 362  
## 10 Bay Terrace, Staten Island 0  
## 11 Baychester 356  
## 12 Bayside 365  
## 13 Bayswater 342  
## 14 Bedford-Stuyvesant 365  
## 15 Belle Harbor 364  
## 16 Bellerose 365  
## 17 Belmont 361  
## 18 Bensonhurst 365  
## 19 Bergen Beach 322  
## 20 Boerum Hill 365  
## 21 Borough Park 365  
## 22 Breezy Point 160  
## 23 Briarwood 365  
## 24 Brighton Beach 365  
## 25 Bronxdale 340  
## 26 Brooklyn Heights 365  
## 27 Brownsville 365  
## 28 Bull's Head 364  
## 29 Bushwick 365  
## 30 Cambria Heights 365  
## 31 Canarsie 365  
## 32 Carroll Gardens 365  
## 33 Castle Hill 177  
## 34 Castleton Corners 365  
## 35 Chelsea 365  
## 36 Chinatown 365  
## 37 City Island 359  
## 38 Civic Center 365  
## 39 Claremont Village 365  
## 40 Clason Point 365  
## 41 Clifton 361  
## 42 Clinton Hill 365  
## 43 Co-op City 365  
## 44 Cobble Hill 345  
## 45 College Point 361  
## 46 Columbia St 356  
## 47 Concord 362  
## 48 Concourse 365  
## 49 Concourse Village 365  
## 50 Coney Island 364  
## 51 Corona 365  
## 52 Crown Heights 365  
## 53 Cypress Hills 365  
## 54 Ditmars Steinway 365  
## 55 Dongan Hills 342  
## 56 Douglaston 325  
## 57 Downtown Brooklyn 365  
## 58 DUMBO 365  
## 59 Dyker Heights 308  
## 60 East Elmhurst 365  
## 61 East Flatbush 365  
## 62 East Harlem 365  
## 63 East Morrisania 358  
## 64 East New York 365  
## 65 East Village 365  
## 66 Eastchester 365  
## 67 Edenwald 365  
## 68 Edgemere 363  
## 69 Elmhurst 365  
## 70 Eltingville 291  
## 71 Emerson Hill 158  
## 72 Far Rockaway 365  
## 73 Fieldston 358  
## 74 Financial District 365  
## 75 Flatbush 365  
## 76 Flatiron District 365  
## 77 Flatlands 365  
## 78 Flushing 365  
## 79 Fordham 365  
## 80 Forest Hills 365  
## 81 Fort Greene 365  
## 82 Fort Hamilton 365  
## 83 Fort Wadsworth 365  
## 84 Fresh Meadows 365  
## 85 Glendale 365  
## 86 Gowanus 365  
## 87 Gramercy 365  
## 88 Graniteville 263  
## 89 Grant City 333  
## 90 Gravesend 365  
## 91 Great Kills 336  
## 92 Greenpoint 365  
## 93 Greenwich Village 365  
## 94 Grymes Hill 350  
## 95 Harlem 365  
## 96 Hell's Kitchen 365  
## 97 Highbridge 355  
## 98 Hollis 365  
## 99 Holliswood 363  
## 100 Howard Beach 365  
## 101 Howland Hook 363  
## 102 Huguenot 259  
## 103 Hunts Point 365  
## 104 Inwood 365  
## 105 Jackson Heights 365  
## 106 Jamaica 365  
## 107 Jamaica Estates 359  
## 108 Jamaica Hills 318  
## 109 Kensington 365  
## 110 Kew Gardens 365  
## 111 Kew Gardens Hills 364  
## 112 Kingsbridge 365  
## 113 Kips Bay 365  
## 114 Laurelton 361  
## 115 Lighthouse Hill 360  
## 116 Little Italy 362  
## 117 Little Neck 133  
## 118 Long Island City 365  
## 119 Longwood 365  
## 120 Lower East Side 365  
## 121 Manhattan Beach 363  
## 122 Marble Hill 349  
## 123 Mariners Harbor 365  
## 124 Maspeth 365  
## 125 Melrose 254  
## 126 Middle Village 365  
## 127 Midland Beach 358  
## 128 Midtown 365  
## 129 Midwood 365  
## 130 Mill Basin 360  
## 131 Morningside Heights 365  
## 132 Morris Heights 365  
## 133 Morris Park 365  
## 134 Morrisania 365  
## 135 Mott Haven 358  
## 136 Mount Eden 338  
## 137 Mount Hope 365  
## 138 Murray Hill 365  
## 139 Navy Yard 365  
## 140 Neponsit 334  
## 141 New Brighton 276  
## 142 New Dorp 0  
## 143 New Dorp Beach 341  
## 144 New Springville 175  
## 145 NoHo 364  
## 146 Nolita 365  
## 147 North Riverdale 363  
## 148 Norwood 364  
## 149 Oakwood 364  
## 150 Olinville 312  
## 151 Ozone Park 364  
## 152 Park Slope 365  
## 153 Parkchester 364  
## 154 Pelham Bay 364  
## 155 Pelham Gardens 354  
## 156 Port Morris 365  
## 157 Port Richmond 365  
## 158 Prince's Bay 353  
## 159 Prospect-Lefferts Gardens 365  
## 160 Prospect Heights 365  
## 161 Queens Village 365  
## 162 Randall Manor 362  
## 163 Red Hook 351  
## 164 Rego Park 365  
## 165 Richmond Hill 365  
## 166 Richmondtown 300  
## 167 Ridgewood 365  
## 168 Riverdale 340  
## 169 Rockaway Beach 365  
## 170 Roosevelt Island 362  
## 171 Rosebank 291  
## 172 Rosedale 365  
## 173 Rossville 59  
## 174 Schuylerville 343  
## 175 Sea Gate 260  
## 176 Sheepshead Bay 365  
## 177 Shore Acres 278  
## 178 Silver Lake 324  
## 179 SoHo 365  
## 180 Soundview 365  
## 181 South Beach 363  
## 182 South Ozone Park 365  
## 183 South Slope 365  
## 184 Springfield Gardens 365  
## 185 Spuyten Duyvil 365  
## 186 St. Albans 365  
## 187 St. George 365  
## 188 Stapleton 365  
## 189 Stuyvesant Town 365  
## 190 Sunnyside 365  
## 191 Sunset Park 365  
## 192 Theater District 365  
## 193 Throgs Neck 365  
## 194 Todt Hill 268  
## 195 Tompkinsville 360  
## 196 Tottenville 365  
## 197 Tremont 327  
## 198 Tribeca 365  
## 199 Two Bridges 359  
## 200 Unionport 365  
## 201 University Heights 365  
## 202 Upper East Side 365  
## 203 Upper West Side 365  
## 204 Van Nest 365  
## 205 Vinegar Hill 365  
## 206 Wakefield 365  
## 207 Washington Heights 365  
## 208 West Brighton 365  
## 209 West Farms 310  
## 210 West Village 365  
## 211 Westchester Square 363  
## 212 Westerleigh 189  
## 213 Whitestone 365  
## 214 Williamsbridge 365  
## 215 Williamsburg 365  
## 216 Willowbrook 351  
## 217 Windsor Terrace 353  
## 218 Woodhaven 365  
## 219 Woodlawn 309  
## 220 Woodrow 0  
## 221 Woodside 365

aggregate(Airbnb$availability\_365 ~ Airbnb$neighbourhood, FUN = min)

## Airbnb$neighbourhood Airbnb$availability\_365  
## 1 Allerton 0  
## 2 Arden Heights 0  
## 3 Arrochar 12  
## 4 Arverne 0  
## 5 Astoria 0  
## 6 Bath Beach 0  
## 7 Battery Park City 0  
## 8 Bay Ridge 0  
## 9 Bay Terrace 7  
## 10 Bay Terrace, Staten Island 0  
## 11 Baychester 0  
## 12 Bayside 0  
## 13 Bayswater 54  
## 14 Bedford-Stuyvesant 0  
## 15 Belle Harbor 22  
## 16 Bellerose 0  
## 17 Belmont 0  
## 18 Bensonhurst 0  
## 19 Bergen Beach 4  
## 20 Boerum Hill 0  
## 21 Borough Park 0  
## 22 Breezy Point 59  
## 23 Briarwood 0  
## 24 Brighton Beach 0  
## 25 Bronxdale 0  
## 26 Brooklyn Heights 0  
## 27 Brownsville 0  
## 28 Bull's Head 0  
## 29 Bushwick 0  
## 30 Cambria Heights 0  
## 31 Canarsie 0  
## 32 Carroll Gardens 0  
## 33 Castle Hill 42  
## 34 Castleton Corners 0  
## 35 Chelsea 0  
## 36 Chinatown 0  
## 37 City Island 0  
## 38 Civic Center 0  
## 39 Claremont Village 3  
## 40 Clason Point 0  
## 41 Clifton 0  
## 42 Clinton Hill 0  
## 43 Co-op City 363  
## 44 Cobble Hill 0  
## 45 College Point 0  
## 46 Columbia St 0  
## 47 Concord 2  
## 48 Concourse 0  
## 49 Concourse Village 0  
## 50 Coney Island 0  
## 51 Corona 0  
## 52 Crown Heights 0  
## 53 Cypress Hills 0  
## 54 Ditmars Steinway 0  
## 55 Dongan Hills 0  
## 56 Douglaston 89  
## 57 Downtown Brooklyn 0  
## 58 DUMBO 0  
## 59 Dyker Heights 0  
## 60 East Elmhurst 0  
## 61 East Flatbush 0  
## 62 East Harlem 0  
## 63 East Morrisania 80  
## 64 East New York 0  
## 65 East Village 0  
## 66 Eastchester 88  
## 67 Edenwald 32  
## 68 Edgemere 0  
## 69 Elmhurst 0  
## 70 Eltingville 30  
## 71 Emerson Hill 0  
## 72 Far Rockaway 0  
## 73 Fieldston 0  
## 74 Financial District 0  
## 75 Flatbush 0  
## 76 Flatiron District 0  
## 77 Flatlands 0  
## 78 Flushing 0  
## 79 Fordham 0  
## 80 Forest Hills 0  
## 81 Fort Greene 0  
## 82 Fort Hamilton 0  
## 83 Fort Wadsworth 365  
## 84 Fresh Meadows 0  
## 85 Glendale 0  
## 86 Gowanus 0  
## 87 Gramercy 0  
## 88 Graniteville 0  
## 89 Grant City 50  
## 90 Gravesend 0  
## 91 Great Kills 15  
## 92 Greenpoint 0  
## 93 Greenwich Village 0  
## 94 Grymes Hill 0  
## 95 Harlem 0  
## 96 Hell's Kitchen 0  
## 97 Highbridge 0  
## 98 Hollis 0  
## 99 Holliswood 0  
## 100 Howard Beach 0  
## 101 Howland Hook 88  
## 102 Huguenot 136  
## 103 Hunts Point 0  
## 104 Inwood 0  
## 105 Jackson Heights 0  
## 106 Jamaica 0  
## 107 Jamaica Estates 0  
## 108 Jamaica Hills 0  
## 109 Kensington 0  
## 110 Kew Gardens 0  
## 111 Kew Gardens Hills 0  
## 112 Kingsbridge 0  
## 113 Kips Bay 0  
## 114 Laurelton 0  
## 115 Lighthouse Hill 71  
## 116 Little Italy 0  
## 117 Little Neck 3  
## 118 Long Island City 0  
## 119 Longwood 0  
## 120 Lower East Side 0  
## 121 Manhattan Beach 0  
## 122 Marble Hill 0  
## 123 Mariners Harbor 56  
## 124 Maspeth 0  
## 125 Melrose 0  
## 126 Middle Village 0  
## 127 Midland Beach 0  
## 128 Midtown 0  
## 129 Midwood 0  
## 130 Mill Basin 139  
## 131 Morningside Heights 0  
## 132 Morris Heights 0  
## 133 Morris Park 0  
## 134 Morrisania 0  
## 135 Mott Haven 0  
## 136 Mount Eden 0  
## 137 Mount Hope 0  
## 138 Murray Hill 0  
## 139 Navy Yard 0  
## 140 Neponsit 44  
## 141 New Brighton 10  
## 142 New Dorp 0  
## 143 New Dorp Beach 0  
## 144 New Springville 0  
## 145 NoHo 0  
## 146 Nolita 0  
## 147 North Riverdale 0  
## 148 Norwood 0  
## 149 Oakwood 0  
## 150 Olinville 0  
## 151 Ozone Park 0  
## 152 Park Slope 0  
## 153 Parkchester 0  
## 154 Pelham Bay 0  
## 155 Pelham Gardens 0  
## 156 Port Morris 0  
## 157 Port Richmond 0  
## 158 Prince's Bay 0  
## 159 Prospect-Lefferts Gardens 0  
## 160 Prospect Heights 0  
## 161 Queens Village 0  
## 162 Randall Manor 8  
## 163 Red Hook 0  
## 164 Rego Park 0  
## 165 Richmond Hill 0  
## 166 Richmondtown 300  
## 167 Ridgewood 0  
## 168 Riverdale 0  
## 169 Rockaway Beach 0  
## 170 Roosevelt Island 0  
## 171 Rosebank 0  
## 172 Rosedale 0  
## 173 Rossville 59  
## 174 Schuylerville 0  
## 175 Sea Gate 0  
## 176 Sheepshead Bay 0  
## 177 Shore Acres 0  
## 178 Silver Lake 0  
## 179 SoHo 0  
## 180 Soundview 0  
## 181 South Beach 0  
## 182 South Ozone Park 0  
## 183 South Slope 0  
## 184 Springfield Gardens 0  
## 185 Spuyten Duyvil 71  
## 186 St. Albans 0  
## 187 St. George 0  
## 188 Stapleton 0  
## 189 Stuyvesant Town 0  
## 190 Sunnyside 0  
## 191 Sunset Park 0  
## 192 Theater District 0  
## 193 Throgs Neck 0  
## 194 Todt Hill 0  
## 195 Tompkinsville 0  
## 196 Tottenville 128  
## 197 Tremont 0  
## 198 Tribeca 0  
## 199 Two Bridges 0  
## 200 Unionport 145  
## 201 University Heights 0  
## 202 Upper East Side 0  
## 203 Upper West Side 0  
## 204 Van Nest 8  
## 205 Vinegar Hill 0  
## 206 Wakefield 0  
## 207 Washington Heights 0  
## 208 West Brighton 61  
## 209 West Farms 179  
## 210 West Village 0  
## 211 Westchester Square 0  
## 212 Westerleigh 36  
## 213 Whitestone 0  
## 214 Williamsbridge 0  
## 215 Williamsburg 0  
## 216 Willowbrook 351  
## 217 Windsor Terrace 0  
## 218 Woodhaven 0  
## 219 Woodlawn 0  
## 220 Woodrow 0  
## 221 Woodside 0

## SUMMARY STATISTICS.

skimr::skim\_without\_charts(Airbnb)

Data summary

|  |  |
| --- | --- |
| Name | Airbnb |
| Number of rows | 48895 |
| Number of columns | 13 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Column type frequency: |  |
| character | 5 |
| numeric | 8 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Group variables | None |

**Variable type: character**

| skim\_variable | n\_missing | complete\_rate | min | max | empty | n\_unique | whitespace |
| --- | --- | --- | --- | --- | --- | --- | --- |
| name | 0 | 1 | 0 | 179 | 16 | 47906 | 0 |
| host\_name | 0 | 1 | 0 | 35 | 21 | 11453 | 0 |
| neighbourhood\_group | 0 | 1 | 5 | 13 | 0 | 5 | 0 |
| neighbourhood | 0 | 1 | 4 | 26 | 0 | 221 | 0 |
| room\_type | 0 | 1 | 11 | 15 | 0 | 3 | 0 |

**Variable type: numeric**

| skim\_variable | n\_missing | complete\_rate | mean | sd | p0 | p25 | p50 | p75 | p100 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| latitude | 0 | 1 | 40.73 | 0.05 | 40.50 | 40.69 | 40.72 | 40.76 | 40.91 |
| longitude | 0 | 1 | -73.95 | 0.05 | -74.24 | -73.98 | -73.96 | -73.94 | -73.71 |
| price | 0 | 1 | 152.72 | 240.15 | 0.00 | 69.00 | 106.00 | 175.00 | 10000.00 |
| minimum\_nights | 0 | 1 | 7.03 | 20.51 | 1.00 | 1.00 | 3.00 | 5.00 | 1250.00 |
| number\_of\_reviews | 0 | 1 | 23.27 | 44.55 | 0.00 | 1.00 | 5.00 | 24.00 | 629.00 |
| reviews\_per\_month | 0 | 1 | 1.09 | 1.60 | 0.00 | 0.04 | 0.37 | 1.58 | 58.50 |
| calculated\_host\_listings\_count | 0 | 1 | 7.14 | 32.95 | 1.00 | 1.00 | 1.00 | 2.00 | 327.00 |
| availability\_365 | 0 | 1 | 112.78 | 131.62 | 0.00 | 0.00 | 45.00 | 227.00 | 365.00 |

## Finding the top 10 Host names.

Top\_10\_Hosts <- head(sort(table(Airbnb$host\_name), decreasing = TRUE), 10)  
Top\_10\_Hosts

##   
## Michael David Sonder (NYC) John Alex Blueground   
## 417 403 327 294 279 232   
## Sarah Daniel Jessica Maria   
## 227 226 205 204

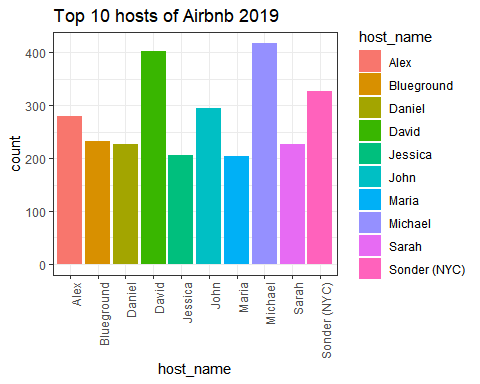
## Converting Top\_10\_Hosts into dataframe so that we can visualize.

Top\_10\_Hosts\_df <- data.frame(host\_name = names(Top\_10\_Hosts), count = as.numeric(Top\_10\_Hosts))  
Top\_10\_Hosts\_df

## host\_name count  
## 1 Michael 417  
## 2 David 403  
## 3 Sonder (NYC) 327  
## 4 John 294  
## 5 Alex 279  
## 6 Blueground 232  
## 7 Sarah 227  
## 8 Daniel 226  
## 9 Jessica 205  
## 10 Maria 204

Let’s visualize it.

ggplot(Top\_10\_Hosts\_df, aes(x = host\_name, y = count, fill = host\_name)) +  
 geom\_bar(stat = 'identity') +  
 labs(title = 'Top 10 hosts of Airbnb 2019') +  
 theme\_bw() +   
 theme(axis.text.x = element\_text(angle = 90, hjust = 1))



## Now, let’s find our the top 10 areas.

Top\_10\_Areas <- head(sort(table(Airbnb$neighbourhood), decreasing = TRUE), 10)  
Top\_10\_Areas

##   
## Williamsburg Bedford-Stuyvesant Harlem Bushwick   
## 3920 3714 2658 2465   
## Upper West Side Hell's Kitchen East Village Upper East Side   
## 1971 1958 1853 1798   
## Crown Heights Midtown   
## 1564 1545

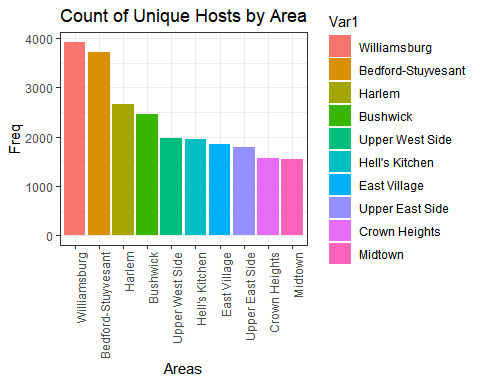
## Converting Top\_10\_Areas into dataframe so that we can visualize.

Top\_10\_Areas <- as.data.frame(Top\_10\_Areas)  
Top\_10\_Areas

## Var1 Freq  
## 1 Williamsburg 3920  
## 2 Bedford-Stuyvesant 3714  
## 3 Harlem 2658  
## 4 Bushwick 2465  
## 5 Upper West Side 1971  
## 6 Hell's Kitchen 1958  
## 7 East Village 1853  
## 8 Upper East Side 1798  
## 9 Crown Heights 1564  
## 10 Midtown 1545

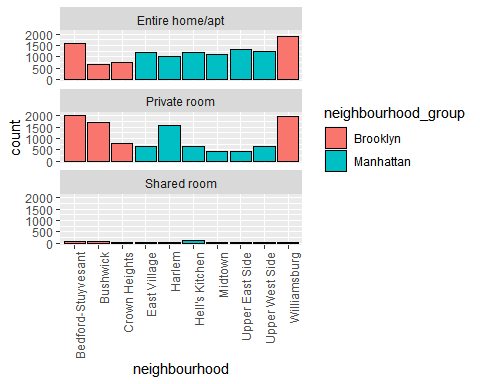
Let’s visualize it.

ggplot(Top\_10\_Areas, aes(x = Var1, y = Freq, fill = Var1)) +  
 geom\_bar(stat = 'identity') +  
 labs(x = "Areas") +  
 ggtitle("Count of Unique Hosts by Area") +  
 theme\_bw() +   
 theme(axis.text.x = element\_text(angle = 90, hjust = 1))



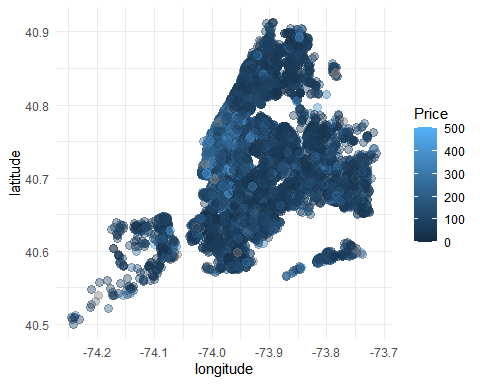
## Let’s see which type of rooms does more business in different areas.

sub\_7 <- subset(Airbnb, neighbourhood %in% c('Williamsburg','Bedford-Stuyvesant','Harlem','Bushwick',  
 'Upper West Side','Hell\'s Kitchen','East Village',  
 'Upper East Side','Crown Heights','Midtown'))  
  
viz\_3 <- ggplot(sub\_7, aes(x = neighbourhood, fill = neighbourhood\_group)) +  
 geom\_bar(col = 'black') +  
 facet\_wrap(~ room\_type, ncol = 1) +  
 theme(axis.text.x = element\_text(angle = 90, hjust = 1))  
  
print(viz\_3)



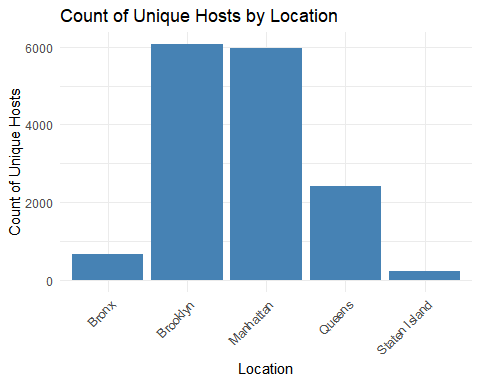
## Let’s see if longitude and latitude have anything to tell.

ggplot(Airbnb, aes(x = longitude, y = latitude, color = price)) +  
 geom\_point(size = 3, alpha = 0.4) +  
 scale\_color\_continuous(limits = c(0, 500)) +  
 labs(color = "Price") +  
 theme\_minimal() +  
 theme(legend.position = "right")



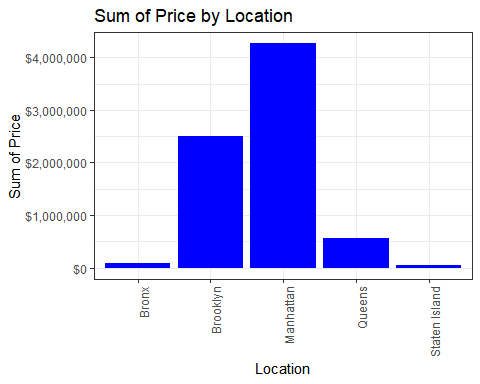
## Let’s see the count of unique host from different locations.

count\_data <- data.frame(neighbourhood\_group = unique(Airbnb$neighbourhood\_group),  
 unique\_hosts = sapply(unique(Airbnb$neighbourhood\_group),   
 function(loc) length(unique(Airbnb$host\_name[Airbnb$neighbourhood\_group == loc]))))  
ggplot(count\_data, aes(x = neighbourhood\_group, y = unique\_hosts)) +  
 geom\_bar(stat = "identity", fill = "steelblue") +  
 labs(x = "Location", y = "Count of Unique Hosts") +  
 ggtitle("Count of Unique Hosts by Location") +  
 theme\_minimal() +  
 theme(axis.text.x = element\_text(angle = 45, hjust = 1))



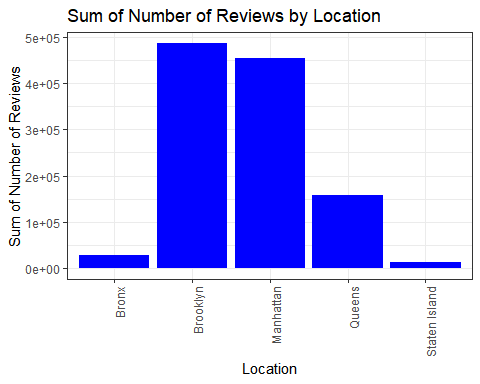
## Let’s see the total price earned by different locations.

ggplot(Airbnb, aes(x = neighbourhood\_group, y = price)) +  
 geom\_bar(stat = "identity", fill = "blue") +  
 labs(title = "Sum of Price by Location", x = "Location", y = "Sum of Price") +  
 scale\_y\_continuous(labels = dollar\_format(prefix = "$", big.mark = ",", decimal.mark = ".", suffix = "")) +  
 theme\_bw() +  
 theme(axis.text.x = element\_text(angle = 90, hjust = 1))



## Let’s see the total reviews got by differnt locations.

ggplot(Airbnb, aes(x = neighbourhood\_group, y = number\_of\_reviews)) +  
 geom\_bar(stat = "identity", fill = "blue") +  
 labs(title = "Sum of Number of Reviews by Location", x = "Location", y = "Sum of Number of Reviews") +  
 theme\_bw() +  
 theme(axis.text.x = element\_text(angle = 90, hjust = 1))



## Let’s check the top 10 areas with most unique host count.

ggplot(Airbnb, aes(x = neighbourhood, y = ..count..)) +  
 geom\_bar(stat = "count", fill = "blue") +  
 labs(title = "Areas with Most Unique Hosts") +  
 theme\_bw() +  
 theme(axis.text.x = element\_text(angle = 90, hjust = 1))

## Warning: The dot-dot notation (`..count..`) was deprecated in ggplot2 3.4.0.  
## ℹ Please use `after\_stat(count)` instead.  
## This warning is displayed once every 8 hours.  
## Call `lifecycle::last\_lifecycle\_warnings()` to see where this warning was  
## generated.

