

Enzo Rocha

About

Hosting with Python



Enzo Rocha Just now · 3 min read



An analysis done in Python with the Airbnb base of the city of Seattle-USA. What can the history of hosts since the founding of Airbnb (2008) tell us?

The notebook of the jupyter notebook is present in my github link. The analysis was made based on the data listings. An essential question is: How do hosts distribute themselves across Seattle points?

neighbourhood_group_cleansed	
Other neighborhoods	794
Capitol Hill	567
Downtown	530
Central Area	369
Queen Anne	205

Queen Anne	299
Ballard	230
West Seattle	203
Rainier Valley	159
University District	122
Beacon Hill	118

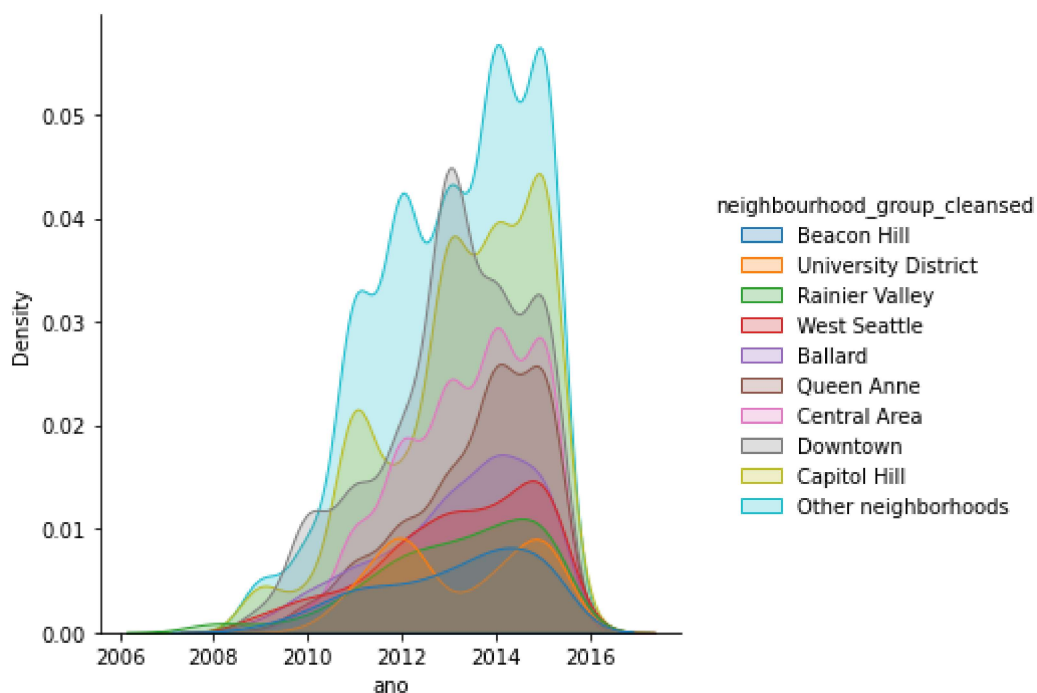
Os 10 primeiros pontos com mais hosts

The table above answers our main question well. It represents the 10 most sought after points. It is worth mentioning that Other neighborhoods are non-tourist locations.

How was the growth of the hosts in Seattle with the creation of the App?

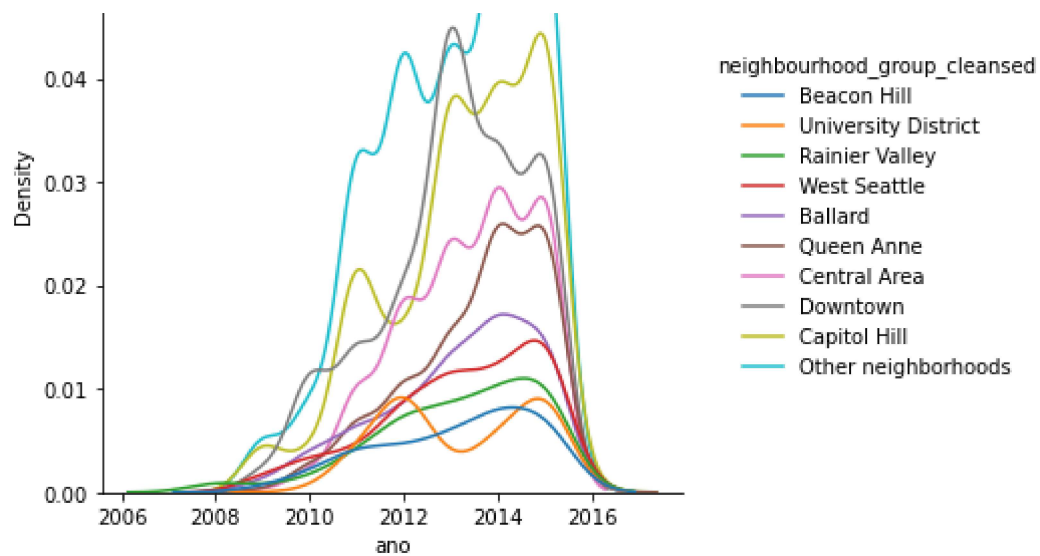
Airbnb started in 2008, it's nice to see how the city of Seattle joined during this history.

We can see the largest concentration of hosts outside the main points of Seattle. Being Capitol hill, the tourist spot in Seattle where it has the most host. How did this concentration come about over the years?



Capitol Hill and Seattle **Downtown** contest each year how many hosts are registered in the application since its launch.





Since 2013 Capitol Hill has increased its space for visitors, probably due to its rich nightlife. The city center has been dropping its registrations since this same year.

What types of properties are most available for Seattle on Airbnb?

We can see that most hosts rent houses when it comes to places outside of Seattle's main sights;

property_type	neighbourhood_group_cleansed	size
House	Other neighborhoods	496
Apartment	Downtown	469
Apartment	Capitol Hill	356
Apartment	Other neighborhoods	235
House	Central Area	216
Apartment	Queen Anne	169
House	Capitol Hill	168
House	Ballard	146
House	West Seattle	141
House	Rainier Valley	114

Distribuição dos tipos de propriedades pelos pontos de Seattle

However, when it comes to the main tourist spots, such as Capitol Hill and the city center, we see that apartments are the most offered.

How can the response rate (communication) of the host affect your Score?

There are the scores that customers make on the values, cleaning, checkin and other aspects in relation to the rented property. I averaged over the scores and related to the

host's communication rate.



The graph shows that when there is an increase in the communication rate of the host, the score tends to increase. Even though the scores cover different aspects of ownership.

Conclusion

We need to keep in mind what kind of experience we want from Seattle. If it is touristy, we are more likely to find offers on apartments. If you're looking for something far from Seattle's most popular spots, the way is to rent a house. After all, the lower the price the higher the demand.

Oh, and if you want to guarantee a good experience, it is good to look for hosts that have a good response rate.

[About](#) [Help](#) [Legal](#)

Get the Medium app



