

A scenic photograph of a beach at sunset. Three palm trees are silhouetted against the sky, with their fronds blowing in the wind. Two people are standing on the beach, looking out at the ocean. The sky is a mix of blue, orange, and white, with clouds catching the low light of the sun.

Best Maui Neighborhood
to buy a property.

Introduction

Maui, Hawaii is one of the best places for tourism in the United States and therefore is a good location for a property investment. Using location data to explore a geographical location, I'll be trying to determine which neighborhood of Maui will be the best place for that purpose. One of the main factors is, of course, the place is being close to the Pacific ocean. However, the place should also be located near some popular venues (preferably walking distance). I will use location data to find the best property to buy.

Data

- I created a dataframe which consist of Zip Codes and City names for Cities that have the most population. Then, I added longitude and latitude for all Cities.

Methodology

- After that, I explored the dataframe with Foursquare API. I got get the top 100 venues for each city within a radius of 500 meters.
- I visualized and analyzed data with Python.

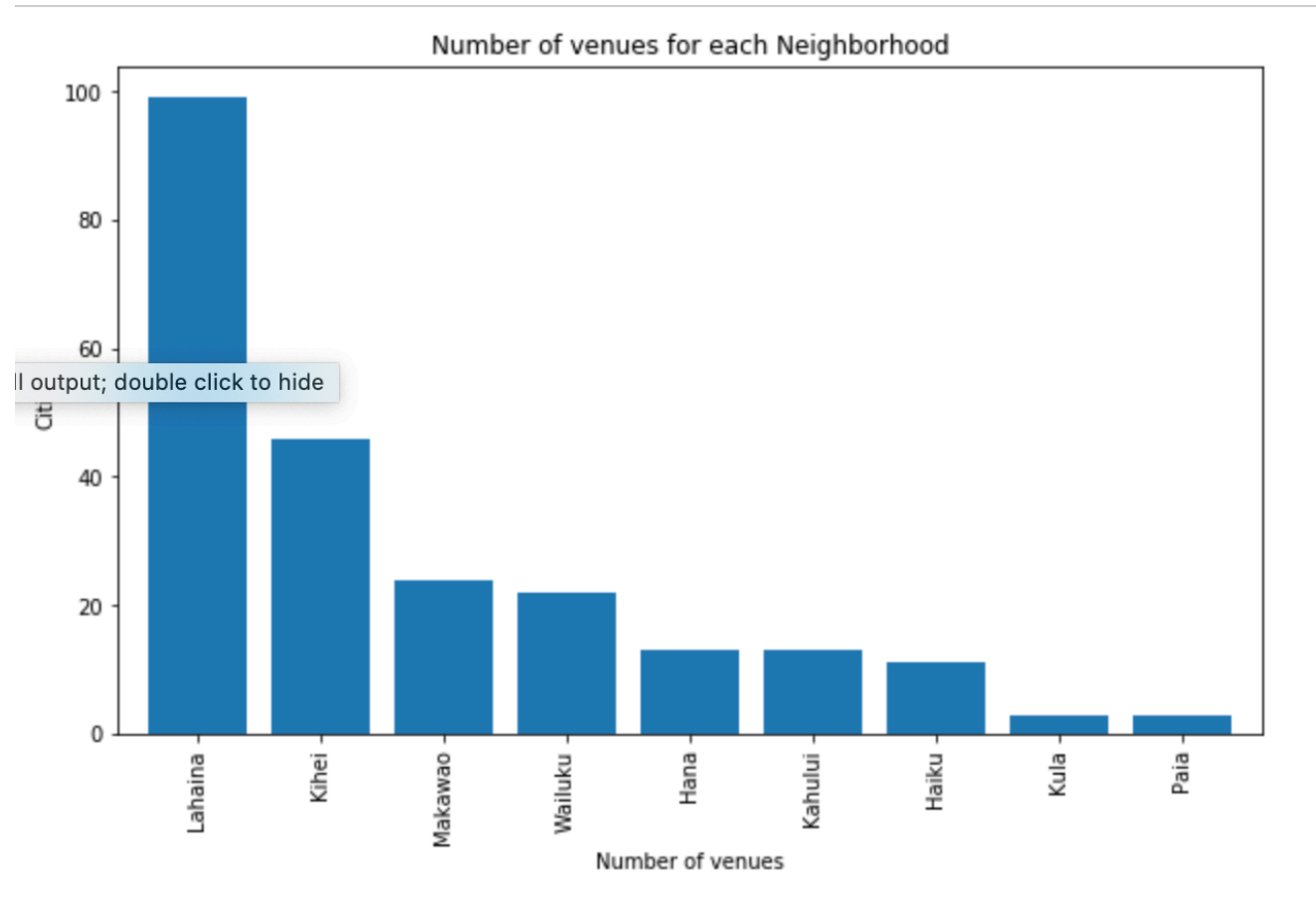
Here is the final dataframe I worked with:

	City	Latitude	Longitude
0	Haiku	20.914390	-156.322960
1	Hana	20.757399	-155.987985
2	Kahului	20.874771	-156.452983
3	Kihei	20.747626	-156.454990
4	Lahaina	20.873877	-156.677678
5	Makawao	20.853916	-156.310393
6	Paia	20.902457	-156.372721
7	Kula	20.792026	-156.323712
8	Wailuku	20.890544	-156.503093

234 venues were returned by Foursquare.
Here is a merged table of Cities and venues.

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Haiku	20.91439	-156.32296	Nuka	20.914555	-156.323170	Sushi Restaurant
1	Haiku	20.91439	-156.32296	Haleakala Bike Company	20.913615	-156.322810	Bike Shop
2	Haiku	20.91439	-156.32296	The Greek Oven Maui	20.913214	-156.322743	Mediterranean Restaurant
3	Haiku	20.91439	-156.32296	Colleen's	20.913170	-156.322441	Café
4	Haiku	20.91439	-156.32296	Maui Kombucha	20.914213	-156.323981	Tea Room

I then created a plot bar in order to visualize top cities with the most venues:



Results:

	Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue
0	Haiku	Food Truck	Martial Arts Dojo	Mediterranean Restaurant	Café	Sushi Restaurant
1	Hana	Hotel	Hawaiian Restaurant	Beach	Ice Cream Shop	Resort
2	Kahului	Big Box Store	Coffee Shop	Food Truck	Cosmetics Shop	Mobile Phone Shop
3	Kihei	Pizza Place	Fast Food Restaurant	Japanese Restaurant	Rental Car Location	Mexican Restaurant
4	Kula	Other Repair Shop	Dry Cleaner	Garden	Yoga Studio	Food Truck
5	Lahaina	Ice Cream Shop	Seafood Restaurant	Art Gallery	Clothing Store	Café
6	Makawao	Home Service	Coffee Shop	Arts & Crafts Store	Restaurant	Boutique
7	Paia	Garden Center	Home Service	Basketball Court	French Restaurant	Cosmetics Shop
8	Wailuku	American Restaurant	Hostel	Asian Restaurant	Pharmacy	Boutique

Discussion and Conclusion:

- As I already mentioned, Hawaii is one of the best places in the United States (or even in a word?) to visit as a tourist. I've limited my investigation to Maui island only because I believe it has more potential than other islands. It's less rural than Kauai and not overpopulated as Oahu.
- According to the data I analyzed, these three neighborhoods, Lahaina, Kihei, and Wailuku should be good to buy an investment property (Airbnb rent or similar). They have the most population, conveniently located and have many venues within 500 meters of a city's center.

References

- **Wiki:** https://en.wikipedia.org/wiki/Module:Location_map/data/United_States_Maui
- **Zip codes:** <https://www.zip-codes.com/county/hi-maui.asp>
- **Foursquare:** <https://foursquare.com>