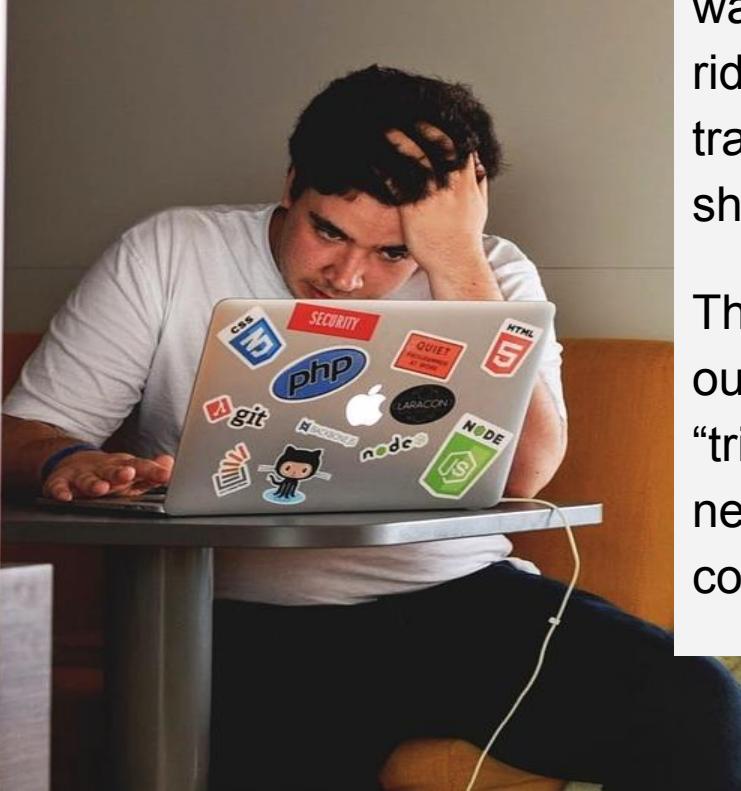


Finding The Best Coffee

By Mehran Najafi



Problem



You love coffee, and do not want to waste time having to take a long taxi ride, train ride, or any form of transportation to get to a great coffee shop.

The last time you travelled you missed out on excellent coffee because your “trip advisor” booked you a hotel in a neighborhood far away from the best coffee shops.

Solution !



Use this great app connected to the Foursquare Dev API that can help you determine the best place to stay.

Instead of searching city by city, you can determine the best area of each city you are traveling to, to book your hotel so that you are always close to the best coffee

Foursquare Data Preview

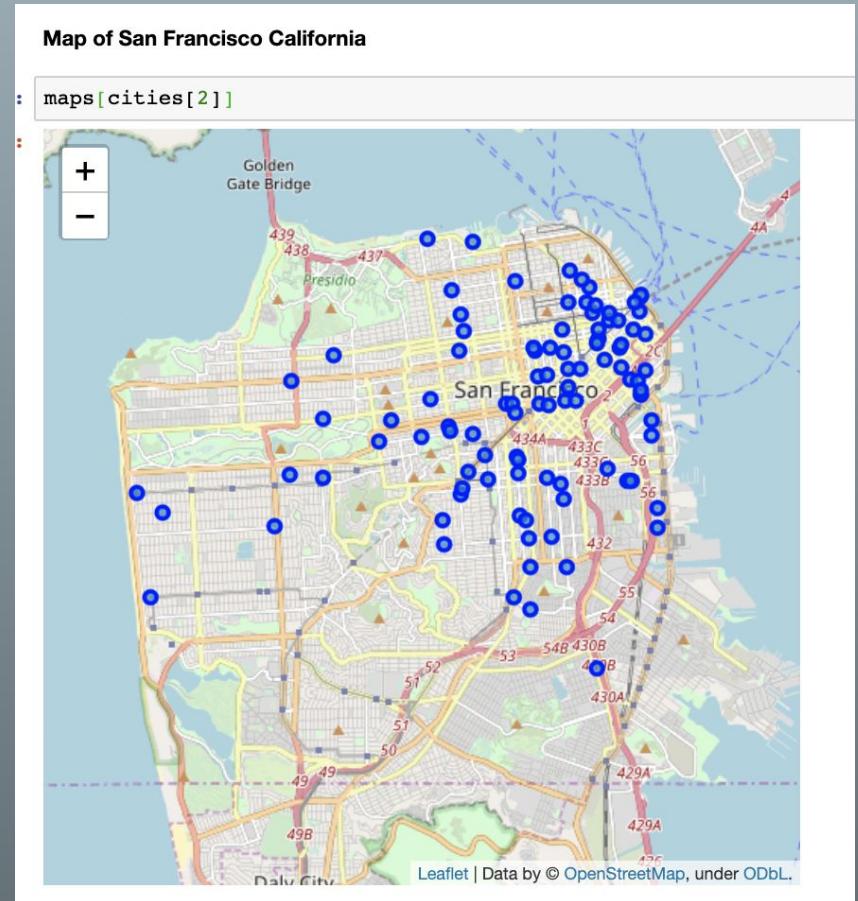
The following data includes the name of each coffee shop, the address, and latitudinal and longitudinal coordinates for each city

Using this data, we can calculate the average distance to a coffee shop for each city, as well as the density of coffee shops in each city.

	Name	Address	Lat	Lng
0	Blue Bottle Coffee	8830 Washington Blvd.	34.027115	-118.387637
1	Blue Bottle Coffee	12015 Waterfront Dr	33.980027	-118.408020
2	Verve Coffee Roasters	8925 Melrose Ave	34.080922	-118.387517
3	Spoke Bicycle Cafe	3050 N Coolidge Ave	34.105077	-118.243709
4	Gjusta	320 Sunset Ave	33.995103	-118.474447
5	Blue Bottle Coffee	830 N Fairfax Ave	34.086218	-118.361219
6	Nice Coffee	515 S Flower St	34.050965	-118.256872
7	Verve Coffee	8051 W 3rd St	34.072395	-118.365025
8	Sidecar Doughnuts & Coffee	631 Wilshire Blvd	34.021135	-118.495803
9	Alfred Coffee & Kitchen	8428 Melrose Pl Ste A	34.083515	-118.374341
10	Verve Coffee	833 S Spring St	34.042203	-118.254521
11	GTA (Gjelina Take Away)	1427 Abbot Kinney Blvd	33.990447	-118.465057
12	Maru Coffee	1936 Hillhurst Ave	34.106550	-118.287378
13	Joan's on Third	8350 W 3rd St	34.072821	-118.371847
14	Document Coffee Bar	3850 Wilshire Blvd #107	34.061254	-118.311050
15	Urth Caffé	8565 Melrose Ave	34.082034	-118.378766
16	Urth Caffé	267 S Beverly Dr	34.062620	-118.399206
17	Cloudy Day	N/A	34.111117	-118.397070

Coffee Map

San Francisco is a great example, because many tourists travel to San Francisco they may feel like staying in the Presidio near the Golden Gate Bridge would be a great idea, however as depicted in the image to the right, the most densely populated area of coffee shops is downtown nearer to the Bay Bridge. Knowing this information can allow the traveler to make a more informed decision.



Conclusion

From the data we revealed that New York has the shortest mean distance to any coffee shop with an average distance of .021 miles, in other terms for a coffee enthusiast the best location for them to stay in order to be surrounded by the best coffee houses in New York would be in lower Manhattan.

Map of New York New York

39]: maps[cities[4]]

