

Getting the nearest location of Mexican Food from Antiguo Cuscatlan.

Omar Ibrahim Alabi

November 21, 2020

1. Introduction

1.1 Background

In many cases, with our own family and friends we want to visit new places in order to share one great time.

In that line, we may choose a good place to visit. In this case we have selected Antiguo Cuscatlan since it's very popular among the people.

Another good option to visit or taste is food and this must be a good option: Mexican Food in Antiguo Cuscatlan.

1.2 Problem

The issue here is we can not start our journey if we don't know the places.

So, this project comes to solve this problem, since we show the closest places and the distance from the source.

1.3 Interest

The target people is anyone!! Once we define the search criteria we can generate the use case. Every person can use this, the application will be to create a mobile app where people only enter the search criteria and the radio.

2. Data acquisition and cleaning

2.1 Foursquare API

Since we only want to know the nearest places we only need the search criteria and the Foursquare API credentials so we can get the data.

No additional dataframe is required to solve our problem.

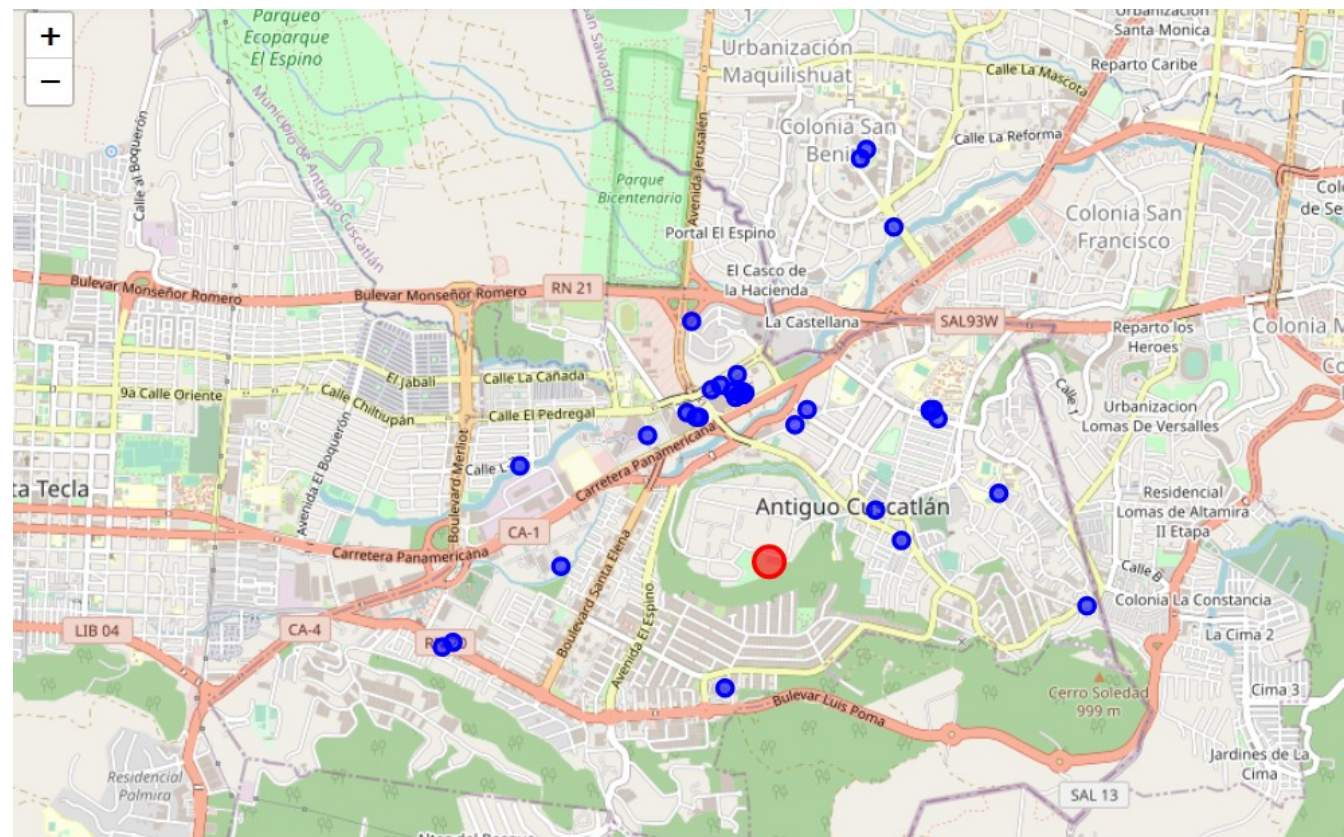
3. Exploratory Data Analysis

In our case, the final delivery is the map showing the nearest location so we can visually check how easy will be to get any location

4. Solution to the problem

4.1 Final Delivery: Map

The final delivery is the map showing the nearest places



Top 5 Nearest Places

	name	categories	address	lat	Ing	labeledLatLngs	distance	cc	country
5	Star Food	Asian Restaurant	NaN	13.673131	-89.240306	{{'label': 'display', 'lat': 13.67313126497153...	724	SV	El Salvador
4	Miin House Chinese Food	Cantonese Restaurant	Antigua Cuscatlán	13.671465	-89.238864	{{'label': 'display', 'lat': 13.67146496570492...	817	SV	El Salvador
8	food priceSmart	American Restaurant	NaN	13.663311	-89.248824	{{'label': 'display', 'lat': 13.66331055148003...	819	SV	El Salvador
6	Healthy Food	Restaurant	NaN	13.677736	-89.244865	{{'label': 'display', 'lat': 13.67773595075896...	846	SV	El Salvador
22	Seoul Garden	Korean Restaurant	NaN	13.678588	-89.244168	{{'label': 'display', 'lat': 13.67858793845103...	955	SV	El Salvador

5. Conslusions

Due to the ploblem nature is required to get the nearest locations from one specific place.

In that line, this project solve the issue since we are able to get the nearest locations from one source based on a search criteria (in this case the search criteria is: Antiguo Cuscatlan and Mexican Food).

The application can be modified in order to adapt to other search criteria