Looking For the Best Chinese Restaurant in Austin China Town

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1. Introduction

Background

- When new visitors come to Austin china town from China or other US cities, looking for a good Chinese restaurant to have lunch is a necessary thing visitors should consider.

- Visitors are usually likely to walk around in the China town and want to go somewhere for fun after lunch.

Problem Statement

- Which Chinese restaurant is the best option to choose among those restaurants in the China town?

- What place should they go for fun after having lunch?

Target Audience

- Mainly Chinese visitors from China and other U.S cities or anyone who loves Chinese food and who is the first time visiting to China town in Austin

2. Data Source

1. Address of China town in Austin (10901 N Lamar Blvd, Austin, TX 78753)

   Link : Google

2. Four Square API data : the initial address will be obtained from google search 'Chinatown, Austin, TX', then it will be used to request nearby Chinese restaurants by using foursquare API. The requested data will be originally json format and then transformed into data frame. By getting the ratings and tips of all the Chinese restaurants using four square API, people will be able to have the best option to decide which restaurant they should go At last, we will explore the popular places and trending venues near the Chinese restaurant we choose and decide where to have fun after lunch

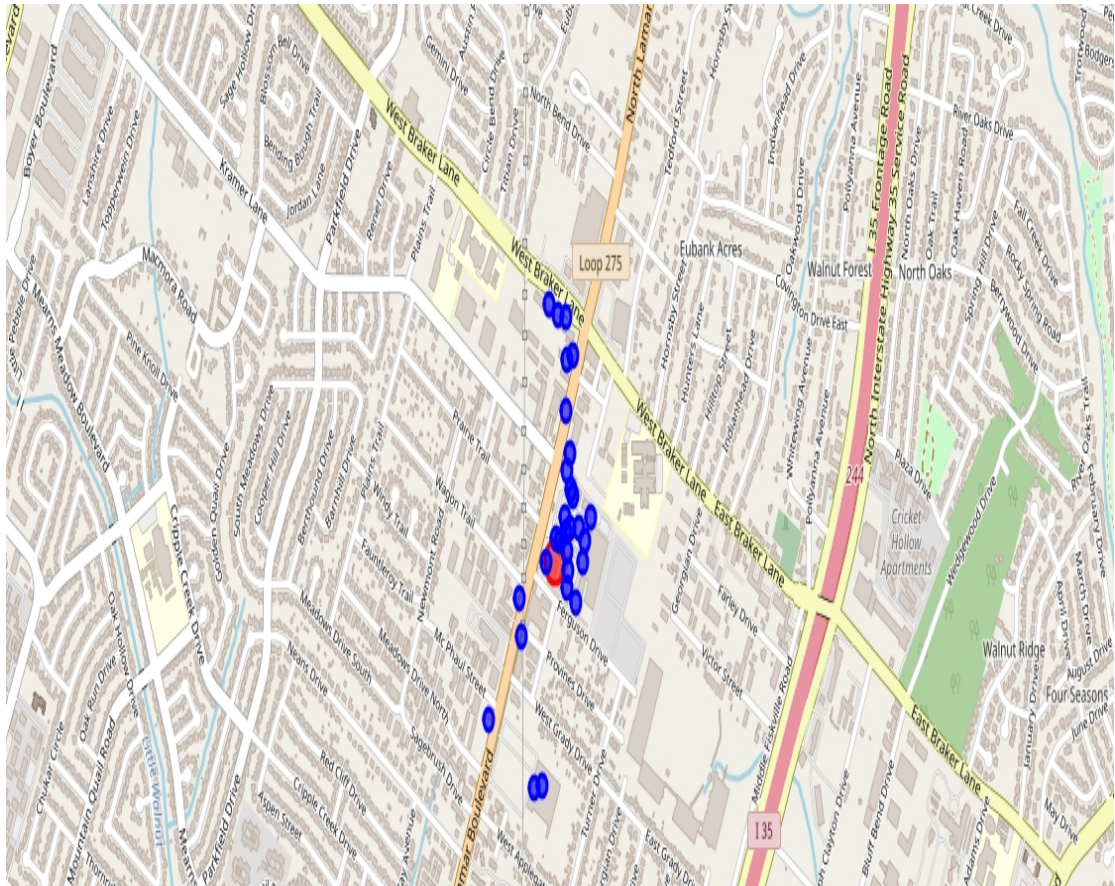|	name	categories	address	cc	city	country	distance	formattedAddress	labeledLatLngs	lat	lng	postalCode	st
0	First Chinese BBQ	Chinese Restaurant	10901 N Lamar Blvd	US	Austin	United States	99	[10901 N Lamar Blvd, Austin, TX 78753, United ...	[{'label': 'display', 'lat': 30.37844468752835...	30.378445	-97.686712	78753	T)
1	New Fortune Chinese Seafood Restaurant	Cantonese Restaurant	10901 N Lamar Blvd	US	Austin	United States	61	[10901 N Lamar Blvd, Austin, TX 78753, United ...	[{'label': 'display', 'lat': 30.37784779038532...	30.377848	-97.688096	78753	T)
2	Duy Vietnamese Restaurant	Vietnamese Restaurant	10901 N Lamar Blvd Ste A101	US	Austin	United States	8	[10901 N Lamar Blvd Ste A101, Austin, TX 78753...	[{'label': 'display', 'lat': 30.37824730615741...	30.378247	-97.687672	78753	T)

3. Methodology

I mainly use Four square API to make calls for different purpose. First, I construct URL to send request to the API to search for a specific type of venues, which is Chinese restaurant. After getting the list of Chinese restaurants, I send request to explore one of the venues, named New Fortune Chinese seafood restaurant, which has the highest overall rating compared to other restaurants. By creating the URL and getting request to the API, I am able to get all tips of the selected venue. Through searching the foursquare user, I can obtain the amount of tips of the user submitted and his associated features. Next, I can get the user's tips and the greatest number of agree counts to evaluate how reasonable his recommendation is. After that, I continue explore the nearby locations around the selected Chinese restaurant by creating URL and sending request. One thing we need to pay attention is that the result we get is formatted as Json. We need to transform it and convert it to data frame .so that we can get the desired column features. At last, I visualize these locations by using folium package and explore any trending venues near the current restaurant. If there is trending venue, we may make decisions to go there for fun. If no trending venues exist. We may need reconsider other popular places like downtown to have fun.

4. Result and Discussion

Based on the Search venues method, I get two Chinese restaurants and one Vietnamese restaurant. Among the three restaurants, New Fortune Chinese seafood restaurant has the highest rating, which is 8.6. If I am a new visitor from China and see the user's tips and ratings, I will choose it as my best choice because of the following reasons. First, the rating is above 8, which is a pretty decent score and is above the average rating. Secondly, The user I explored submitted 791 tips on the Foursquare, plus he is from New York. The Chinese restaurants in New York generally should be much better than those in Austin based on what I know. If this foodie guy rates this Chinese restaurant in Austin a 8.6 score, I will definitely trust it. I also found 29 venues near the New Fortune Seafood restaurant including some Korean and Vietnamese restaurants. However, no trending venues exist near China town. So if visitors want to look for some popular places near China Town in Austin for fun after lunch, China town is not a good choice. They may need to go to downtown to search popular venues.

	name	categories	address	cc	city	country	crossStreet	distance
0	Pho Saigon	Vietnamese Restaurant	10901 N Lamar Blvd #108	US	Austin	United States	Chinatown Center	54
1	New Fortune Chinese Seafood Restaurant	Cantonese Restaurant	10901 N Lamar Blvd	US	Austin	United States	NaN	35
2	Baguette House & Cafe	Vietnamese Restaurant	10901 N Lamar Blvd	US	Austin	United States	Ferguson Dr.	117
3	Korean Grill	Korean Restaurant	10901 N Lamar Blvd #204	US	Austin	United States	NaN	147
4	Foot Relax	Massage Studio	10901 N Lamar Blvd	US	Austin	United States	NaN	116
5	First Chinese BBQ	Chinese Restaurant	10901 N Lamar Blvd	US	Austin	United States	NaN	118
6	MT Supermarket	Supermarket	10901 N Lamar Blvd	US	Austin	United States	Kramer Ln	130
7	Bambū Desserts & Drinks	Dessert Shop	10901 N Lamar Blvd #A120	US	Austin	United States	NaN	71
8	Chinatown Austin	Convenience Store	10901 N Lamar Blvd	US	Austin	United States	NaN	90

5. Conclusion

If new visitors come to China town in Austin and want to try some Chinese food, New Fortune Seafood Restaurant is their best option to go. They can also choose First Chinese BBQ because its rating is good as well. As no trending venues exist near China Town in Austin, visitors should go to downtown or do some online search to find popular places for fun.