

The Battle of Neighborhoods

IBM Data Science Professional Certificate - Class #9 Applied Data Science Capstone

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Project Title: Recommend a cafe to visitors that is within 200 meters near Bourbon street, New Orleans, Louisiana, U.S.

Introduction

As a person who is moving to New Orleans soon, I decided to choose a project that is personally related.

This project will provide visitors the suggestion for a nearby cafe to grab food before they head to Bourbon street, which is the most famous bar street in French Quarter.

This is a really basic project based on the technics. However, for anyone visits a city for the first time and for a short stay, having a recommended cafe will help increase the quality of the visiting.

Data and References

Data:

- Address data for Bourbon street <https://www.mapquest.com/us/louisiana/bourbon-street-265728386>, which is used to get the latitude and longitude data.
- Bourbon Street's latitude and longitude coordinates, which is used to get the venue data and to plot the map

References:

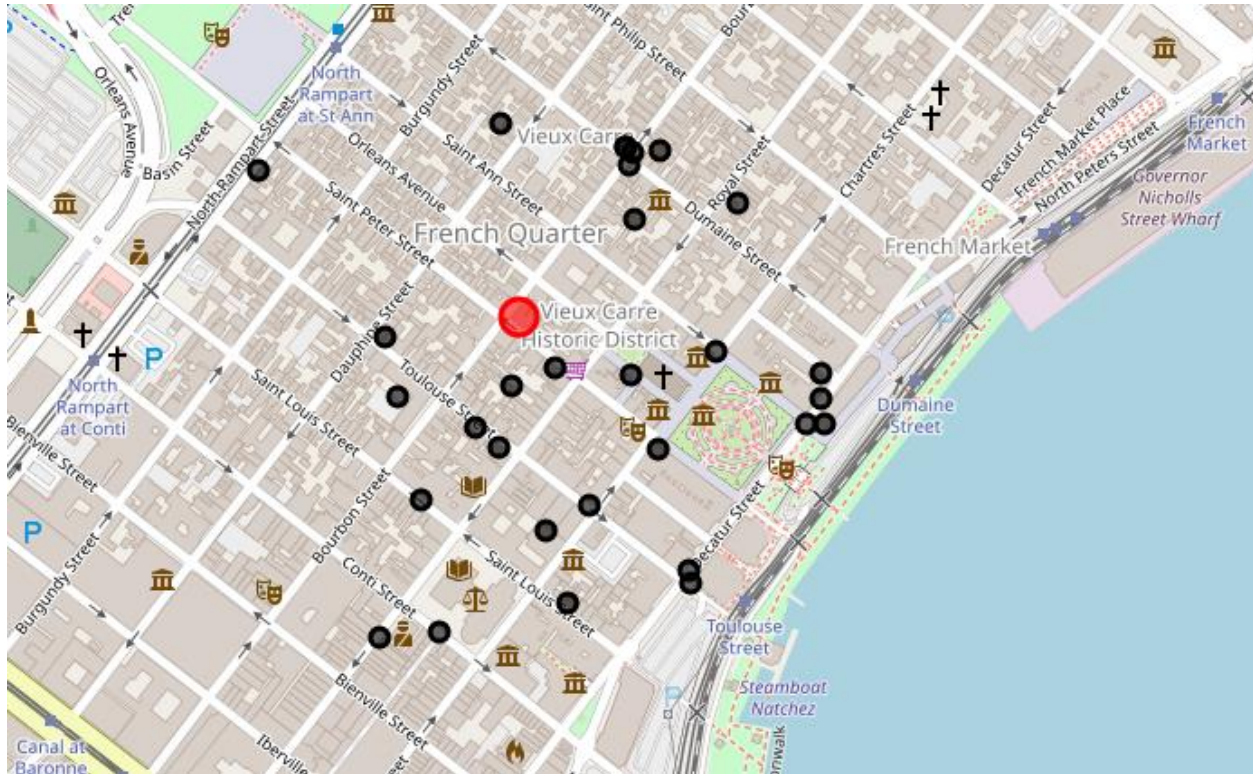
- Week 3: Foursquare API lab, which can be downloaded at <http://cocl.us/DP0701EN> Coursera Week2 Notebook1

Methodology

Foursquare was used to provide the latitude, longitude, name, address, distance, and rating data of the cafe.

This project processes the rating data, visualizes locations on map, and makes analysis to provide visitors a short report to help they make their decisions.

Cafes that are within 200 meters near Bourbon street showing in the map



Results & Discussions

1. There are totally nine cafes within 200 meters of Bourbon street.
2. Among these nine cafes, seven of them have not been rated on Foursquare and two have been rated.
3. Between these two rated cafes:
 4. -Tony Seville's Pirates Alley Cafe & Old Absinthe House, which is 143 meters away from Bourbon street, has a rating score of 7.7
 - Vacherie Cafe, which is 156 meters away from Bourbon street, has a rating score of 7.8

Because the rated two cafes do not have distinct differences on either distances or scores, there is not an absolute better one in these two.

They both worth being recommended for visitors.

Conclusion

1. If you prefer a rated cafe that is closer to Bourbon street, please visit Tony Seville's Pirates Alley Cafe & Old Absinthe House.

Address: 622 Pirates Aly (Cabildo Alley), New Orleans, LA 70116

2. If you prefer a rated cafe that has a higher ranking score on Foursquare, please visit Vacherie Cafe.

Address: 827 Toulouse St (at Dauphine St.), New Orleans, LA 70112