Exploring Baton Rouge with Foursquare

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Introduction

Since March 2020, the COVID-19 restrictions have shifted the way we work with employees working remotely from their homes. However, as these restrictions are lifted, employees are once again called back into the central offices; and those who accepted remote positions may now have to relocate. For the batch of new hires at my company in Baton Rouge, relocation will be a necessity; but many of us have never been to Baton Rouge and are unsure of the ideal location to look for housing based on our interests. I will use Foursquare's location-based data to explore the neighborhoods in Louisiana's capital city to offer my colleagues a comprehensive look at ideal areas to look for housing based on the venues available and overall neighborhood dynamic.

Data Exploration

The names of each neighborhood in Baton Rouge were obtained from Wikipedia[1] but I could not get the Geocoder to pull up the latitude and longitude for each neighborhood, so this data was collected through a general online search and manually added to a CSV file before being imported and merged with the original data frame. The resulting data frame has three columns and thirty rows, displaying the neighborhood's name, its latitude, and its longitude. I will use this data to retrieve the venue details from Foursquare and cluster the neighborhoods based on its top venue types.

[1] https://en.wikipedia.org/wiki/Neighborhoods_in_Baton_Rouge,_Louisiana