

Capstone Week 4 Report

IBM Data Science Professional

Chicago Neighborhoods for Foodies

Author: Blake Rocheleau

Date: July 2020

Problem & Background

Moving to a new city can feel intimidating, given the thousands of housing options and venues that exist. Specifically, consider moving to Chicago, Illinois, the third most populated city in the United States. Chicago is home to many different parks, attractions, museums, gyms, theatres, schools, and even shopping malls. However, after considering all these venues, what if food was the most important factor in determining what part of Chicago you wanted to move to? There are over 200 different neighborhoods to choose from and more likely than not, some will have better or more restaurant options than others. This project will therefore utilize publicly available data to pinpoint the neighborhoods that someone who loves food above all else (also called a “foodie”) should move to in the city of Chicago.

Data

In order to determine what neighborhood would best suite food lovers, it is important to have knowledge of all the existing neighborhoods of Chicago. Therefore, a Wikipedia page containing all the neighborhoods of Chicago will be scraped (bulleted below) for this list. Additionally, the latitude and longitude coordinates of each neighborhood will be required to search for local venues. After coordinates are obtained, data on trending venues around each neighborhood will need to be extracted for each neighborhood in order to cluster and compare the best neighborhoods for foodies. Venue data will be obtained using the Foursquare API.

- List of Chicago [neighborhoods](#)