IBM Applied Data Science Capstone Project Report
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Introduction:

Over the past few years, America has become a country that has been more focused on health than it has ever been before. A spotlight has been put on eating green, organic, and fresh. The younger generation more and more commonly are jumping on trends such as vegetarianism and veganism. There is no better time to capitalize on the health "craze" market than now. The best way to do this is through Vegetarian and Vegan restaurants. However, it does not make sense to place a Vegetarian or Vegan restaurant anywhere. Unlike most other fast-food chains, Vegetarian or Vegan restaurants have a particular set of people who would like to dine in those types of restaurants. So, through this project, I plan to determine which locations in my home city of Austin would be best suited for adding a Vegetarian or Vegan restaurant. I am sure the results that come out of this project would be of very high interest to investors and entrepreneurs that plan on venturing into this new market of healthy eating.

Data:

The first piece of data that would be needed to complete this project would be the list of neighborhoods found in the city of Austin. This data can be found through Wikipedia and can be implemented in my project by scraping the data from the Wikipedia page using beautifulsoup packages. Next, the coordinates of each neighborhood found through scraping the Wikipedia page will have to be collected. This can be done by using Python's Geocoder package. Finally, data from Foursquare API will be used to find venues near each of the Austin neighborhoods. This data will also be used to determine which neighborhoods have Vegan or Vegetarian restaurants.