

Introduction to Problem and Discussion of Background

As a person with experience moving between different countries and cities, I have found that there are some cities that I really enjoyed living in and some cities that I really did not like. This depended on the neighbourhood and venues around me. The following project will focus on a hypothetical scenario in which I am planning on relocating to New York City from Toronto. Every year thousands of people move to NYC, and therefore I am planning on building a tool in which a person can enter their current borough in Toronto and the code will return a set of similar boroughs in NYC based on the surrounding venues. The tool will be using Foursquare API venue data and use clustering techniques to highlight similar areas. These similar areas will then be displayed on a map of NYC to assist the user with their decision. Please see the 'Description of Data' section for a more detailed explanation of the data that will be used.