

Opening a Restaurant in Toronto, Ontario

I. Introduction

Toronto is the capital city of the Canadian province of Ontario. It is the largest city in the country with a population of 2,734,571. This booming city is home to a diverse group of residents. Toronto offers many opportunities including a prominent restaurant scene. When opening a new restaurant location is a crucial decision. In this analysis we will compare Toronto neighborhoods to determine the best place for opening a new restaurant.

II. Data

This data set is compiled from multiple web based sources. Information about the different neighborhoods and boroughs of Toronto was webscraped using the BeautifulSoup package from Wikipedia. This was combined with geospatial data providing the latitude and longitude coordinates for each neighborhood. These coordinates were from a csv file provided by the Coursera Applied Data Science Capstone course. Information on the current venues in each neighborhood was gathered using the Foursquare API. This provided the venue name, latitude and longitude, venue category and which neighborhood the venue was located in. The dataset was grouped by neighborhood and showed the frequency of each type of venue in that neighborhood. This was used to determine the top 10 types of venues in each neighborhood.