Capstone Project without a name yet

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1. Introduction

1.1 Background

Any proud New Yorker can tell you that the city's classic bagel shops are like none other in the world. Let's say we'd like to contribute to this backbone of the city by opening a brand-new bagel shop somewhere in New York City. There are several things we'd want to consider before opening our shop. Firstly, we'd like the shop to be close to where we live. For this project, I chose Central Queens. Secondly, we would want to find a neighborhood which isn't too expensive. Thirdly, there would have to be enough demand for our bagels so we will have to check how many bagel shops each neighborhood already has. Using these steps, we will find the optimal neighborhood to set up our shop.

1.2 Data Used

The following data was used in this project:

- For longitude and latitude values of New York City neighborhoods, I used a JSON file which can be accessed here. This file was provided by the Applied Data Science Capstone staff at coursera.org

- To find average rent prices by neighborhood in Queens, I used data from RENTCafe

- Finally, to search for nearby venues, I used Foursquare API