Battle of Neighborhoods

1. Introduction
   The business problem is to find the best area to start a restaurant for which we would build a model that will help people choose the right location by providing data about the income and population of each neighborhood as well as the competitors already present in the same regions.

2. Downloading/ Prepping Data
   To provide the stakeholders the necessary information I'll be combining Toronto's 2016 Census that contains Population, Average income per Neighborhood with Toronto's Neighborhoods shapefile, and Foursquare API to collect competitors on the same neighborhoods. Toronto's Census data is publicly available at this website: https://www.toronto.ca/city-government/data-research-maps/open-data/open-data-catalogue/#8c732154-5012-9afe-d0cd-ba3ffc813d5a Toronto Neighborhoods' shapefile is publicly available at this website: https://www.toronto.ca/city-government/data-research-maps/open-data/open-data-catalogue/#a45bd45a-ede8-730e-1abc-93105b2c439f For this report, I used a few different maps that could help a new investor to decide the best neighborhood to open a restaurant in Toronto based on its income, population, and available competitors. In order to do that I've used the 2016 Census information combined with choropleth maps to visually display the wealthier and more populational neighborhoods and Foursquare data to display the current restaurants in each region.

3. Methodology
   For this report I used a few different maps that could help decide best restaurant around Toronto based on its income, population and available competitors.
4. Results

   Comparing the maps, we can notice the majority of the restaurants grouped on main streets and on the south of the city.

5. Discussion

   Although most the wealthy people people live in the north and densely populated area didn’t have reflect much on number of restaurants. I was expecting to find restaurant in a certain region. But, my hypothesis didn’t meet my expectation.