Data:

The data including information about postal codes of Canada, their latitude and longitude and also the population of neighborhoods in addition to the average income of the neighborhood households as a sign of neighborhood wealth were needed. Besides, the data showing the number of existing gyms in each neighborhood is needed as the more existing gyms, the less attractive the place for a new gym.

Four different sources were used to collect data. One, a *Wikipedia* page including the postal codes of Toronto, Boroughs and neighborhoods.[i] There are 180 postal codes with according boroughs and neighborhoods in this page but boroughs for some postal codes are not assigned. The second part of data were gotten from a downloaded CSV file that contained the latitudes and longitudes of 103 postal codes of Toronto.[i] Scraping the Canada statistics website[i] was used[i] [i] to get the population and average income of each neighborhood. We got only the related information for postal codes that were chosen after cleaning and merging the two data gathered from the first two sources. Then, the number of gyms in each neighborhood (in an area with defined radius around the geolocation of related postal codes) were gotten by using exploring the gyms in each neighborhood on *foursquare*.[i]   [v]

[i] https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M

[i] http://cocl.us/Geospatial_data

[i] https://www12.statcan.gc.ca/census-recensement/index-eng.cfm

[i] https://foursquare.com/