

You need to know where the gyms are located in Toronto. To do this, you must know the Toronto neighborhoods, their respective geographical locations and the gyms that are in them.

The necessary data as well as from where it will be obtained are detailed below:

- Neighborhoods in Canada
  - Data for districts and neighborhoods in Canada
    - They are obtained by scrapping the page [https://en.wikipedia.org/wiki/List\\_of\\_postal\\_codes\\_of\\_Canada:\\_M](https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M) and
- Geospatial location of neighborhoods in Canada
  - Latitude and longitude of neighborhoods in Canada
  - Obtained from [http://cocl.us/Geospatial\\_data](http://cocl.us/Geospatial_data)
- Venue data
  - Venues in each neighborhood.
  - Obtained through the Foursquare API.

Canada postal code data will be combined with geospatial location data to have latitude and longitude for each neighborhood, and then filtered to stay with Toronto only. Then the Foursquare API will be used to obtain the venues in the different Toronto neighborhoods and finally only those that correspond to gyms will be selected.