

Opening a Pharmacy in Toronto | Business Proposal

Data Section

Data Acquisition

For this project we require the following:

- List of neighborhoods in Canada.
- The location i.e. Latitude and Longitude of these neighborhoods.
- Number of pharmacy/Medical Shops in each neighborhood.

Data Extraction

- Using Wikipedia to scrap the data of Toronto city containing boroughs, neighborhoods and postal codes.
- Geocoder Package to obtain latitudes and longitudes of these neighborhoods.
- Use of Foursquare app to get the venue details regarding medical shops.

Foursquare API

We will need data about different venues in different neighborhoods of that specific borough. In order to gain that information, we will use "Foursquare" locational information. Foursquare is a location data provider with information about all manner of venues and events within an area of interest. Such information includes venue names, locations, menus and even photos. As such, the foursquare location platform will be used as the sole data source since all the stated required information can be obtained through the API.

After finding the list of neighborhoods, we then connect to the Foursquare API to gather information about venues inside each and every neighborhood. For each neighborhood, we have chosen the radius to be 100 meter.

The data retrieved from Foursquare contained information of venues within a specified distance of the longitude and latitude of the postcodes. The information obtained per venue as follows:

1. Neighborhood
2. Neighborhood Latitude
3. Neighborhood Longitude
4. Venue
5. Name of the venue
6. Venue Latitude
7. Venue Longitude
8. Venue Category

