Capstone Project- The Battle of Neighborhoods (Week 1)

Data Description

1. We will source Toronto neighborhood data from Wikipedia
   https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M

2. Get geolocation data from cocl.us (used in previous labs)
   http://cocl.us/Geospatial_data

3. Using FourSquare API, get the venues data for the neighborhood latitude/longitudes
   https://api.foursquare.com/v2/venues/explore?&client_id={}&client_secret={}&v={}&ll={},{}&radius={}&limit={}'
   Format -> CLIENT_ID, CLIENT_SECRET, VERSION, lat, lng, radius, LIMIT

Data Usage

1. We will source Toronto neighborhood data from Wikipedia
2. Cleanup empty and NaN cells
3. Get geolocation data from cocl.us (used in previous labs)
4. Merge the two data to obtain latitude and longitude for the neighborhoods
5. Plot the data on a map
6. Using FourSquare API, get the venues data for the neighborhood latitude/longitudes
7. Filter venues to use data for Coffee Shops
8. Run KMeans clustering
9. Plot the cluster data on a map
10. Analyze and deduce best clusters/neighborhoods for coffee lovers
11. Analyze and deduce neighborhoods where there are low or now coffee shops