Where to open a pizzeria in Etobicoke?

DATA SECTION

We elaborated the following plan:

1. Download and Explore Dataset:

    - Parse the Toronto postal codes data from Wikipedia site,

    - Implement and pre-process the data frame according to the requirements

    - Get the geolospatial coordinates of each postal code.

2. Explore the Neighborhoods in Etobicoke.

    - Creating the map of Etobicoke with neighbourhoods

    - Obtaining the information about the venues in Etobicoke from Foursquare API

    - Analysing the distribution of specific venues categories throughout Etobicoke.

    - Creating the map of venues

3. Clustering the Neighborhoods

    - Applying the K-means clustering to the neighbourhoods in Etobicoke.

    - Examine the clusters regarding the requirements

4. Analyzing the distribution of pizzerias in Etobicoke

    - Preparing the dataset of pizzerias and italian restaurants in Etobicoke

    - Creating the map and the diagrams of pizzerias in each neighbourhoods