**(Question 1) Introduction/Business Problem**

**To identify the best places to setup a restaurant in the city of Toronto, Canada.**

**The analysis uses the location data from Foursquare to identify the various popular venues in and around various neighborhoods in Toronto. This kind of analysis will help us to identify what all neighborhoods are lacking a good restaurant and the kind of cuisine in Toronto.**

**(Question 2) Data used for the analysis:**

**Here I use the postal codes, geographic coordinates mapping table from the Wikipedia page:** <https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M>

**The above data is cleaned to remove those entries wherein the Boroughs are missing and formatted to a Pandas dataframe.**

**Foursquare API is used to explore various Boroughs/Neighborhoods and to get a list of various venues in those Neighborhoods. Further, the venues are sorted according to the popularity of the respective venues.**

**Above data is then fed to k-means clustering algorithm to cluster these Neighborhoods based on various parameters available.**

**For example, from the following table (contains data of few Neighborhoods) its clear that there are playgrounds and parks in those Neighborhoods, but lacking good Italian/Chinese restaurants. A good Italian/Chinese restaurants can attract young crowd.**

