Capstone Project — the Battle of Neighborhoods

Italian restaurants in Toronto –Data

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1. **Data Description:**
   The data needed for this project is required for analyzing the restaurants in Toronto. The data obtained is related to the Toronto Area, its central area, downtown, east and west areas, the postal codes of the neighborhoods and their latitude and longitude. With the help of this data, we get restaurants' data from Foursquare API along with each latitude and longitude.

2. **Data Sources and tools:**
   1- For the Toronto neighborhood data, this Wikipedia page: https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M contains Postal Code, Borough, and Neighborhood of Toronto. I will scrape the Wikipedia page and wrangle the data, clean it, and then read it into a panda's data frame using BeautifulSoup package.
   2- Then get the latitude and the longitude coordinates of each neighborhood from https://cocl.us/Geospatial_data.

	PostalCode	Borough	Neighborhood	Latitude	Longitude
0	M3A	North York	Parkwoods	43.753259	-79.329656
1	M4A	North York	Victoria Village	43.725882	-79.315572
2	M5A	Downtown Toronto	Regent Park, Harbourfront	43.654260	-79.360636
3	M6A	North York	Lawrence Manor, Lawrence Heights	43.718518	-79.464763
4	M7A	Downtown Toronto	Queen's Park, Ontario Provincial Government	43.662301	-79.389494

   3- Then Foursquare APIs will be used to fetch the Venues of all Italian restaurant in Toronto city and their rating, likes and tips information data.