

# COURSERA CAPSTONE-Business Problem

## 1. Data :

We will use the data :

- For the Toronto borough
  - Web scrapping (url=[https://en.wikipedia.org/wiki/List\\_of\\_postal\\_codes\\_of\\_Canada:\\_M](https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M)) to get the list of postal code, Borough and Neighborhood in Toronto (
  - Geospatial data for Toronto: 'Geospatial\_Coordinates.csv'
  - The data is saved in the file Toronto\_Data.csv and is available in the same repository on Github.
  - [https://github.com/Prosper1020/-Coursera\\_Capstone/blob/main/Toronto\\_Data.csv](https://github.com/Prosper1020/-Coursera_Capstone/blob/main/Toronto_Data.csv)
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- For Manhattan borough:
  - Download and process list of boroughs and neighborhoods in NewYork [https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-DS0701EN-SkillsNetwork/labs/newyork\\_data.json](https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-DS0701EN-SkillsNetwork/labs/newyork_data.json)
  - Save the data specific to Manhattan in a file called 'Manhattan\_Data.csv' and available on Github
  - [https://github.com/Prosper1020/-Coursera\\_Capstone/blob/main/Manhattan\\_Data.csv](https://github.com/Prosper1020/-Coursera_Capstone/blob/main/Manhattan_Data.csv)
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## 2. Foursquare API :

We use Foursquare API to obtain venues about each neighborhood.

## 3. Librairies

- Pandas
- Numpy
- Matplotlib
- Folium
- Plotly