

# Calgary's passion for Coffee

## Data

The data that was used for this assignment came principally from Wikipedia: [https://en.wikipedia.org/wiki/List\\_of\\_neighbourhoods\\_in\\_Calgary](https://en.wikipedia.org/wiki/List_of_neighbourhoods_in_Calgary). This table was wrangled using *requests* and *BeautifulSoup*. Because the list of neighbourhoods in Wikipedia included absolutely all the neighbourhoods a sub-set of them was defined taking into account that most of the cafés and coffee shop are located in downtown.

The information from the neighbourhood table was adjusted in order to show only the area of interest. After this, geopy was used to calculate the coordinates for each of the neighbourhoods. Once this was done, it was possible to use folium to plot the relative location of each neighbourhood on a Calgary map.

Using Foursquare API, the principal venues for each neighbourhood were found and it was possible to demonstrate that, in these communities, the most popular venue are coffee shops or cafés. Once the list of venues was filtered in order to include only coffee shops and cafés, the location of each of them was mapped according to their location. Finally, the most popular coffee shops were defined and their positions in the neighbourhoods were located in a map.