Data

To solve the problem, we will need the following data:

1. List of zips in Miami and related information, such as latitude and longitude coordinates and population of those zips. These are required to plot the map, get the venue data, and do clustering and all the analysis.

2. Use geopy library to get the geographical coordinates of Miami, FL.

3. Use Forsquare API to get the most common venues for each zip in Miami. Those venue data in some category groups of interest are particular useful for this project. The venue data are also used to perform clustering on different zips.