**DATA**

The data to be used to solve the problem include:

1. A list of all the neighborhoods in the city (Los Angeles)
2. The coordinates (latitudes and longitudes) of each neighborhood
3. The venues around each neighborhood and their categories

The list of the neighborhoods was scraped from the Wikipedia page, <https://en.wikipedia.org/wiki/List_of_districts_and_neighborhoods_of_Los_Angeles>.

The coordinates of the neighborhoods were obtained using the geopy library. However, the coordinates of some neighborhoods were not returned by the library and so had to be manually sourced from the Wikipedia pages of the neighborhoods. The venues around each neighborhood and their categories were obtained by leveraging the location data provided by the Foursquare API.