Data

The data for the given problem is taken from GeoNames. The Postal Code data for Finland is converted to .csv format. This dataset contains the columns – Country code, postal code, place name, state, province, community along with others, and most importantly latitudes and longitudes. This data contains provinces other than Helsinki also, so it needs to be filtered such that it contains only the neighborhoods in Helsinki. It is also filtered to include only the required columns – **Postal Code**, **Borough** (Province), **Neighborhood** (Community), **Latitude** and **Longitude**. This is updated to a dataset. The following image shows an example of the dataset.

	Postal Code	Borough	Neighborhood	Latitude	Longitude
0	100	Helsinki	Helsinki	60.1714	24.9316
1	120	Helsinki	Helsinki	60.1632	24.9391
2	130	Helsinki	Helsinki	60.1645	24.9487
3	140	Helsinki	Helsinki	60.1578	24.9525
4	150	Helsinki	Helsinki	60.1570	24.9369

Once this dataset is ready, FourSquare data is used in order to explore the neighborhood of Helsinki. Folium is used to create the required maps. Foursquare is used to get relevant information of locations of hotels, restaurants, pubs, places to visit, etc.