# Data Description:

* 1. **Source Data:**

The 1st set of data that I am going to use is the table containing all the areas of Pune city with their respective Pin codes. I searched in the Google search engine for ‘areas of Pune with pin code’ and was able to fetch below links:

<http://zipcodepincode.com/India/Maharashtra/Pune/Pune-City/index.html>

<https://www.punediary.com/html/pincode_new.html>

<http://pincode.india-server.com/cities/pune/>

To be able to cover all the possible areas of the city, I will read each html page, turn them into pandas dataframes and finally generate 1 dataframe that contains a unique entry of each area of the city.

* 1. **Derived Data:**

Now, the data generated above will be used as the source data. This data will be used to fetch the latitude and longitude co-ordinates for each area. This task will be accomplished using Folium. This will be my 2nd set of source data while 1st set of derived data.

Further, to explore the neighborhood of every area, I am going to use the Foursquare API. This API will be used to provide me with the venues within the corresponding area within a radius of 5 km and the limit of venues requested for each area will be 500.

The data so obtained from Foursquare API will be used as the source to explore every area. This obtained data will be my 3rd set of source data while 2nd set of derived data.