IBM Applied Data Science Capstone

Business Problem
Here we are discovering the areas around and within UK neighborhood where there are less or no Asian Restaurant present, and hence opening an Asian Restaurant can be very profitable due to the lack of competitions. Using data science methodology we will identify areas of recommendation.

Discussion of the background
With times, Asian food has become more and more popular across UK.
As Asian population increasing continuously and at the same time, other people are showing interests in Asian cuisine, the market is fit for more varieties in Asian food.
So this project aims to identify areas where this hypothesis can be applied by opening new Asian restaurant.

Data
To solve the problem, we will need the following data:
   •   List of Area Code of UK
   •   Latitude and longitude coordinates of those neighbourhood.
   •   Venue data, particularly data related to Asian Restaurant presence.

Sources of data and methods to extract them

List of Area Code of UK are obtained from below link:

https://en.wikipedia.org/wiki/List_of_postcode_areas_in_the_United_Kingdom'

Then they are parsed using BeautifulSoup.
Then latitude and longitude are extracted using Python Geocoder package.

After that, we will use Foursquare API to get the venue data for those areas.