

## **Data Section-**

### **Problem- Opening an Indian sweet shop in USA-**

In this section we are talking about that what and which type of data we are using to find locality in USA. We will use Foursquare API to create the Map of locality with constraints.

To get following things we will use Foursquare API-

- List of all venues in each city
- List of venues in a locality in a selected city

We will use following link to get all the cities with population density and coordinates:

[https://en.wikipedia.org/wiki/List\\_of\\_United\\_States\\_cities\\_by\\_population](https://en.wikipedia.org/wiki/List_of_United_States_cities_by_population)

we will use following link to get list of all the cities in united states with per capital Income:

[https://en.wikipedia.org/wiki/List\\_of\\_United\\_States\\_counties\\_by\\_per\\_capita\\_income](https://en.wikipedia.org/wiki/List_of_United_States_counties_by_per_capita_income)

#### **➤ Procedure-**

Using the above data set and Foursquare API first we will first select the best city to proceed with, based on the values like Population density, per capital income of the state, number of venues (as we are giving weights to each venue based on its category). Once we select a city, we then go searching for Localities. Again, we will do it using the same approach i.e. based on the scores of venues in each locality.