Descriptive analysis of the presence of the restaurant industry across the major cities in the world

Data Requirements:

1. We will choose one of the most densely populated cities from each continent. The choice of cities is as follows:
   a. Asia: Tokyo
   b. Africa: Lagos
   c. Europe: Istanbul
   d. Australia: Sydney
   e. North America: New York
   f. South America: Sao Paulo

   The location data for each of these cities i.e. latitude and longitude will be required for this analysis

2. Population data for each of these cities will be required and will have to be normalized to check against the restaurant density within each city
3. We will require a dataset containing all the venues present in the respective cities and particularly restaurants and eateries which will be normalized to get a preliminary understanding of the dependency of a particular city on restaurants

Data Description:

For this descriptive analysis, we will use the services of the Foursquare API to get location data, population data and restaurant data for each of the aforementioned city. The data will include information about the number of venues, number of neighbourhoods and number of people residing in each city. Venues will be further specified to get restaurant details and this data will be normalised and plotted to make comparisons for the descriptive analysis. We will use various data visualization techniques to gain potential insight from the data analysis and to describe them in the best way possible.