**Introduction**

New York City's demographics show that it is a large and ethnically diverse metropolis. It is the largest city in the United States with a long history of international immigration. New York City was home to nearly 8.5 million people in 2014, accounting for over 40% of the population of New York State and a slightly lower percentage of the New York metropolitan area, home to approximately 23.6 million. Over the last decade the city has been growing faster than the region. The New York region continues to be by far the leading metropolitan gateway for legal immigrants admitted into the United States.

Throughout its history, New York City has been a major point of entry for immigrants; the term "melting pot" was coined to describe densely populated immigrant neighborhoods on the Lower East Side. As many as 800 languages are spoken in New York, making it the most linguistically diverse city in the world. English remains the most widely spoken language, although there are areas in the outer boroughs in which up to 25% of people speak English as an alternate language, and/or have limited or no English language fluency. English is least spoken in neighborhoods such as Flushing, Sunset Park, and Corona.

New York City is the most populous city in the United States, with an estimated 8,491,079 people living in the city, according to U.S. Census estimates dating July 1, 2014 (up from 8,175,133 in 2010; 8.0 million in 2000; and 7.3 million in 1990). This amounts to about 40% of New York State's population and a similar percentage of the metropolitan regional population. New York's two key demographic features are its population density and cultural diversity. The city's population density of 26,403 people per square mile (10,194/km²), makes it the densest of any American municipality with a population above 100,000. Manhattan's population density is 66,940 people per square mile (25,846/km²), highest of any county in the United States.

New York City is multicultural. About 36% of the city's population is foreign-born, one of the highest among US cities. The eleven nations constituting the largest sources of modern immigration to New York City are the Dominican Republic, China, Jamaica, Guyana, Mexico, Ecuador, Brazil, Haiti, Trinidad and Tobago, Colombia, Russia and El Salvador.

The New York City metropolitan area is home to the largest Jewish community outside Israel. It is also home to nearly a quarter of the nation's Indian Americans and 15% of all Korean Americans and the largest Asian Indian population in the Western Hemisphere; the largest African American community of any city in the country; and including 6 Chinatowns in the city proper, comprised as of 2008 a population of 659,596 overseas Chinese, the largest outside of Asia. New York City alone, according to the 2010 Census, has now become home to more than one million Asian Americans, greater than the combined totals of San Francisco and Los Angeles. New York contains the highest total Asian population of any U.S. city proper. 6.0% of New York City is of Chinese ethnicity, with about forty percent of them living in the borough of Queens alone. Koreans make up 1.2% of the city's population, and Japanese at 0.3%. Filipinos are the largest southeast Asian ethnic group at 0.8%, followed by Vietnamese who make up only 0.2% of New York City's population. Indians are the largest South Asian group, comprising 2.4% of the city's population, and Bangladeshis and Pakistanis at 0.7% and 0.5%, respectively.

With its diverse culture comes diverse food. There are many restaurants in New York belonging to different categories like Indian, Chinese, Thai etc

So as part of this project, we will list and visualize all major parts of New York that has some good Indian restaurants.

**Data**

For this project we need the following data :

* New York City data that contains list Boroughs, Neighborhoods along with their latitude and longitude.
  + Data source : https://cocl.us/new\_york\_dataset
  + Description : This data set contains the required information. And we will use this data set to explore various neighborhoods of new york city.
* Indian resturants in each neighborhood of new york city.
  + Data source : Fousquare API
  + Description : By using this api we will get all the venues in each neighborhood. We can filter these venues to get only indian resturants.
* GeoSpace data
  + Data source : https://data.cityofnewyork.us/City-Government/Borough-Boundaries/tqmj-j8zm
  + Description : By using this geo space data we will get the New york Borough boundaries which will help us visualize choropleth map.