

# Applied Data Science Capstone

Peer-graded Assignment: Capstone  
Project - The Battle of Neighbourhood's  
(Week 1)

# Introduction

**Background:** I am a freelance food blogger and I want to analyse the Indian Restaurant availability in the NY city and help my followers to get the details related to Indian Restaurant availability in different parts of NY city.

**Problem:** This capstone project aims to explore the NY city to list and visualize the parts of the area which has some great Indian restaurants, potential market/area to open the Indian restaurant, the areas which has lack of Indian restaurants and which is the best place to live in NY city if you prefer Indian cuisines as well.

# New York City

As per information available on Wikipedia

- **New York City (NYC)** is the most populous city in the United States; with an estimated 8,336,817 residents as of July 2019 distributed over about 302.6 square miles (784 km<sup>2</sup>).
- New York City has also been a major point of entry for immigrants; Approximately 37% of the city's population is foreign born, and more than half of all children are born to mothers who are immigrants.
- The New York region continues to be by far the leading metropolitan gateway for legal immigrants admitted into the United States.
- As many as 800 languages are spoken in New York, making it the most linguistically diverse city in the world.
- New York is home to more than 3.2 million residents born outside the United States, the largest foreign-born population of any city in the world as of 2016
- New York contains the highest total Asian population of any U.S. city proper. The metropolitan area is also home to 20% of the nation's Indian Americans.
- 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 neighbourhoods such as Flushing, Sunset Park, and Corona.
- With its diverse culture, comes diverse food items. There are many restaurants in New York City, each belonging to different categories like Chinese, Indian, and French etc.

# Outcome of the Project

**By this project we will address the answer for the below major questions:**

Q1) All major parts of NYC which has great Indian restaurants(listing Using Visualization).

Q2) Best location in New York City for Indian Cuisine.

Q3) Potential market for Indian Restaurant.

Q4) Areas lack of Indian Restaurants.

Q5) Best place to stay for the lover of Indian cuisines.