

Coursera Capstone Project — The Battle of Neighbourhoods

As part of the courser capstone final project , I have chosen to explore Indian restaurants in the city of New York.

Introduction

New York City's demographics show that it is a large and ethnically diverse metropolis. New York City comprises 5 boroughs sitting where the Hudson River meets the Atlantic Ocean. At its core is Manhattan, a densely populated borough that's among the world's major commercial, financial and cultural centers. Its iconic sites include skyscrapers such as the Empire State Building and sprawling Central Park. Broadway theater is staged in neon-lit Times Square.

New York City is the largest city in the United States with a long history of international immigration. It has been a major point of entry for immigrants; the term "melting pot" was coined to describe densely populated immigrant neighbourhoods 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 with English being the most widely spoken language.

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

This project will list and visualize all major parts of New York City that has topnotch 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 restaurants 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 restaurants.
- GeoSpace data
 - Datasource:<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 that will help us visualize choropleth map.