**Coursera Capstone Final Project Summary**

Exploring Indian Restaurants in New York city

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# Introduction: Business Problem

In this project we will try to find best locations in New York City for Indian Cuisine. Specifically, this report will be targeted to people interested in eating out in an **Indian restaurant** or want to live in vicinity of an **Indian restaurant** in **New York city**.

Since there are lots of Indian restaurants in New York we will try to detect **locations that have average rating >9**.

We will use our data science powers to generate a few most promising restaurants based on these criteria, so that people can find the following:

* Best location in New York City for Indian Cuisine
* Potential areas to open an Indian Restaurant
* Areas that lack Indian Restaurants
* Areas to stay in vicinity of Indian Restaurants

# Data

**Data Source-** Following data sources will be needed to extract/generate the required information:

## New York City data

* Source: https://cocl.us/new\_york\_dataset
* Description: This data set contains list of boroughs, neighborhoods with their latitude and longitude. Used to explore various neighborhoods of New York city.

## Indian restaurants data

* Source: Foursquare API
* Description: Used to obtain number of restaurants, their type, location in every neighborhood, rating, tips and like count. Filtering these will fetch only Indian restaurants.

## GeoSpace data

* Source: https://data.cityofnewyork.us/City-Government/Borough-Boundaries/tqmj-j8zm
* Description: Used to get the New York borough boundaries and to visualize choropleth map.