Coursera Capstone

IBM Applied Data Science Capstone

Opening a New Indian Restaurant in London, United Kingdom

By: Niveditha TR

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Introduction

London is the biggest city in the UK, by density and by population. It is approximately 600 square miles (1500 square kilometres). As of 2020, London's population stands at approximately 9.3 million. London City in the United Kingdom with a long history of international immigration. They came from many parts of the world according to Wiki data. London approximately estimates a population of around 542,857 or 6.6% of the population. The majority are concentrated in West London, home to London's Hindu community, though populations can be found throughout London.

Indian curry was already very famous in England since 19th century. It's commonly assumed that London's first Indian restaurants were set up by Bangladeshi immigrants in the 1960s and '70s, but actually, the first one was established over 200 hundred years ago, in 1810.

Business Problem

The objective of this capstone project is to analyze and select the best locations in the London city to open a new restaurant.

1. What is the best location for an Indian restaurant in London City?

2. In what Neighborhood should I open an Indian restaurant to have the best chance of being successful?

Target Audience

- Business personnel who wants to invest or open a restaurant.
  * Freelancer who loves to have their own restaurant as a side business.
  * Finding the best location for opening a restaurant.
  * Budding Data Scientists, who want to implement some of the most used Exploratory Data Analysis techniques to
  obtain necessary data, analyse it and, finally be able to tell a story out of it

Data Section

For this project we need the following data,

- London data that contains Borough, Neighbourhoods along with their latitudes and longitudes
  1) Data Source :
  https://en.wikipedia.org/wiki/List_of_areas_of_London

  2) London Boroughs csv data file from internet dataset

- These files contain the neighbourhoods and latitude and longitude data

- Indian restaurants in neighbourhood of London city.
  1) Data Source: Foursquare API
  2) Description: By using this API we will get all the venues in London neighbourhood. We can filter these venues to get only Indian restaurants.