



2021

INDIAN RESTAURANTS PROBE

**Exploring Toronto
Neighborhoods - to open
an Indian Restaurant**

**Web-Scraping, Foursquare API, Folium
Map & Machine Learning**

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Introduction

Problem Statement: Prospects of opening an Indian Restaurant in Toronto, Canada.

Toronto, the capital of the province of Ontario, is the most populous Canadian city. Its diversity is reflected in Toronto's ethnic neighbourhoods such as Chinatown, Corso Italia, Greektown, Kensington Market, Koreatown, Little India, Little Italy, Little Jamaica, Little Portugal & Roncesvalles. One of the most immigrant-friendly cities in North America with more than half of the entire Indian Canadian population residing in Toronto it is one of the best places to start an Indian restaurant.

In this project, we will proceed with the step by step analysis of the neighbourhoods of Toronto in order to find insights for the best suitable place to open an Indian Restaurant. Toronto shelter a greater number of Indians than any other city in Canada, so it is a good idea to start the restaurant here, but we just need to make sure whether it is a profitable idea or not. If so, where we can place it, so it yields more profit to the owner.

Target Audience

- Business personnel who wants to invest or open an Indian restaurant in Toronto. This analysis will be a comprehensive guide to start or expand restaurants targeting the Indian crowd.
- Indian crowd who wants to find neighbourhoods with lots of option for Indian restaurants.
- Data scientist or Business analyst who wants to explore and enhance their skills by finding insights from the given data in order to gain their storytelling skills as a part of the project.
- Freelancer who loves to have their own restaurant as a side business. This analysis will give an idea, how beneficial it is to open a restaurant and what are the pros and cons of this business.

Data Overview

The data required for the analysis of the neighbourhoods of Toronto is a combination of different files collected from various sources. following are the lists of sources:

- the lists of postal codes of Canada are collected from Wikipedia "https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M" which contains information regarding boroughs and neighbourhoods.
- using geospatial data "https://cocl.us/Geospatial_data" for the geographical coordinates of the neighbourhoods.
- using foursquare API to get the information about different venues in Toronto. The information contains name, category, latitude, longitude of venues.