

CAPSTONE PROJECT - THE BATTLE OF NEIGHBORHOODS

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INTRODUCTION

Thai immigrants to Canada are primarily well-educated professionals working as bankers, dentists, doctors, nurses, computer technicians and engineers. Many of them closed businesses such as Thai restaurants or Muay Thai gyms, which has become popular in Canada.

Thai cooking places emphasis on lightly prepared dishes with strong aromatic components and a spicy edge. Thai chef McDang characterises Thai food as demonstrating "intricacy; attention to detail; texture; color; taste; and the use of ingredients with medicinal benefits, as well as good flavor", as well as care being given to the food's appearance, smell and context.

So as part of this project, we will list and visualize all major parts of Toronto that has popular Thai restaurants.

DATA

- For this project we need the following data :
- Toronto,CA data that contains list Boroughs, Neighborhoods along with their latitude and longitude.
 - Data source : https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M and get latitude,longitude from https://cocl.us/Geospatial_data
 - Description : This data set contains the required information. And we will use this data set to explore various neighborhoods of new york city.
- Thai resturants in each neighborhood of Toronto 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 resturants.
- GeoSpace data
 - Data source : https://github.com/jasonicarter/toronto-geojson/blob/master/toronto_topo.json
 - Description : By using this geo space data we will get the Toronto Borough boundaries that will help us visualize choropleth map.

APPROACH

- Collect the postal code, borough, neighborhood of Toronto city data from wikipedia
- Collect latitude, longitude data from https://cocl.us/Geospatial_data
- Using FourSquare API we will find all venues for each neighborhood.
- Filter out all venues that are Thai Restaurants.
- Find rating, tips and like count for each Thai Restaurants using FourSquare API.
- Using rating for each restaurant, we will sort that data.
- Visualize the Ranking of neighborhoods using folium library(python)