

IBM

Applied Data Science Capstone – Week 4

Part 2

The Battle of Neighborhoods

Data Section:

The city of Bangkok, a capital of Thailand is the most populous city of the country which occupies 1,568.7 square kilometers (605.7 sq. mi) has a population of over eight million. This city also presents diversities in culture and food choices.



Picture1: Bangkok Montage

Source: https://upload.wikimedia.org/wikipedia/commons/b/b4/Bangkok_montage_3.jpg

With numerous food choices, there are many food markets, restaurants ranging from local eateries to world-class gourmet ones. This city is indeed a hub for food lovers.

To explore more choice, the following data will be used for analysis:

List of Bangkok areas and neighborhoods

- **Data source:** https://en.wikipedia.org/wiki/Category:Neighbourhoods_of_Bangkok

Description: This set of data contains the required information and will be used to explore all neighborhoods of this city

- Thai restaurants and food streets in Bangkok neighborhoods.

Description: To use API we will be able to get all the streets in each neighborhood. Then we will be able to segment Thai restaurants.

- **Data source:** Foursquare API

GeoSpace data

Description: This geo space data will get us all areas, boundaries and streets which help us visualize the map.

- Getting Latitude and Longitude data via Geocoder package
- Using Foursquare API to get venue data related to these neighborhoods