Introduction

Bangkok, official name **Krung Thep Maha Nakhon**, is the capital of Thailand and, with a population of over eleven million inhabitants, by far its largest city. It is one of Asia's most cosmopolitan cities with magnificent temples and palaces, authentic canals, busy markets and a vibrant nightlife that has something for everyone (Credit: Wikitravel)

As the IBM-Coursera final project I will explore the dining scene that a cosmopolitan city such as Bangkok offers, looking into the Italian restaurants, which is probably the most famous food in the world.

Italian food is based on the Mediterranean diet and thousands of km apart from its origin is frequent to find places, which offer this. In particular we will look into it's distribution in a huge city such as Bangkok; with the attempt to answer the question "There are a significant number of Italian restaurant?" and "How are these distributed across the Districts"

Data

In order to answer the above questions, data on Bangkok Districts, which include: latitude, longitude, restaurants, and restaurant ratings and tips are required.

District data is freely available on the Wikipedia website: https://en.wikipedia.org/wiki/List_of_districts_of_Bangkok

All data related to locations and quality of Italian restaurants will be obtained via the FourSquare API utilized via the Request library in Python.

Methodology

• Data is collected from https://en.wikipedia.org/wiki/List_of_districts_of_Bangkok and cleaned and processed into a dataframe.

• FourSquare will be used to locate all venues and then filtered by Italian restaurants. Ratings, tips, and likes by users will be counted and added to the dataframe.

• Data will be sorted based on rankings.

• Finally, the data be will be visually assessed using graphing from Python libraries.

Problem Statement

There are a significant number of Italian restaurant?

 How are these distributed across the Districts?