Introduction and Problem Statement

Background

Bangkok; the capital city of Thailand; is one of the world's top destination for traveler for a decade. Over 45 million people fly to Thailand annually. There are a lot of perfect places in Bangkok for family, couple, and friends to spend time together.

Problem

Unfortunately, as the Covid-19 situation is not getting better in a coming day, you do not have enough time to explore all fascinating places in Bangkok due to the social distance restriction.

Since you are my best friend, I am currently studying data science and machine learning and I will help you to find all places that you should not miss when visiting Bangkok.

Data

Data Sources

Districts and coordinates of each venues in Bangkok

A list of districts, coordinates, postal code, and others were collected from Query Data World (https://query.data.world/s/o7qvkaesgxjg4hy4ilceeyubqch4fy)

Places, traffic, and venues' coordinate in Bangkok

All places and venues information were retrieved from Foursquare API. However, the majority of Foursquare's user are not Thai people, some recommendation is based on foreigner perspective and that is one of the weaknesses relying on Foursquare data.

Methodology

As of now, all the information is enough to solve the problem. K-mean Clustering is the main tool for this project. However, if any additional data is needed, it is surely to be included in the model to enhance the value and usefulness of the project.