Coursera Final Capstone Project Report

IBM Date Science Professional Certificate

Isaiah Fleming

Introduction –

I received a letter from somebody that reads as follows:

"I am a young and enthusiastic business pioneer with their sights set on Indonesia! All I want is a business to call my own, I don't care what kind it is. However, I don't know anything about Indonesia. I want to know what kind of business I should start and where in Indonesia I should start it in order to be the most succesful."

Utilizing the Foursquare api and clustering algorithms, I believe I can help this young lad achieve his goals.

Data–

The data that will be used in this problem will be Foursquare location data pulled for a list of Indonesian cities found on wikipedia.
(https://en.wikipedia.org/wiki/List_of_Indonesian_cities_by_population)
– Foursquare will allow us to pull venue information for each of the cities in the table, which will be used for clustering.
– Python geosearch libraries will allow us to retrieve geospatial data for each city to be used for plotting/visualization.
– The wikitable also includes population data for each city which can further be used to enhance our clustering model.