**Coursera Capstone Final Project**

**Introduction**

This project is the final requirement towards earning the IBM Data Science Professional Certificate on Coursera. The purpose of the project is to demonstrate the use of tools and techniques learned in this data science course. The project has to utilize the FourSquare location data via their API as its primary data source along with the other statistical data acquired from other sources such as Wikipedia.

**Business Problem**

A Mediterranean restaurants owner known for their fast food style restaurants on East coast want to expand his business to West coast. They would like to identify a location around Los Angeles County to open their first upscale restaurant and bar. This will not be a fast food type restaurant but a full service sit-in dining experience.

The place must meet the following criteria:

* Taking into account the higher price point at which the restaurant would operate, it must be in an upscale location.
* Must have low crime rates
* Must be near entertainment and shopping malls to gain more visibility and foot traffic
* There should be no other Mediterranean restaurant within a 2 miles radius

We will use unsupervised machine learning to create clusters of cities or areas in Los Angeles County that will provide us the insight to pick the right location.