**Week 4 Capstone**

**Introduction / Business Problem**

Mr. Andrew is a restaurateur from Singapore who is interested to invest in culinary industry in Kuala Lumpur, Malaysia. He is particularly interested in Malaysian market given the similarity in culture and language between both Malaysia and Singapore. Mr. Andrew is an accomplished chef with 20 years of experience in French cuisine and is looking to set up a French restaurant in downtown Kuala Lumpur. Kuala Lumpur is the capital of Malaysia with the highest median salary in the country. The yearly salary is approximately USD 15,705.00 [1] and he feels that there will be demand for French cuisine. An analysis was conducted within the vicinity of Kuala Lumpur to determine the prevalence of existing restaurants and types of restaurant. The second analysis was conducted to explore the types of restaurant in Singapore as comparison.

**Data**

Foursquare location data was utilized to extract the names and types of the restaurants. The explore feature of API was deployed to search restaurants within the vicinity of 1000 m from the heart of Kuala Lumpur. The API function from Foursquare is limited to 100 results for each query. Restaurants within 1000 m from Singapore center were explored and tabled in data frame using explore feature of API.

**Reference**

[1] https://www.payscale.com/research/MY/Location=Kuala-Lumpur/Salary