#### **Introduction**

The aim of this project is to find the best location for opening of commercial establishments in as an Indian restaurant within the cities of Dubai, Abu Dhabi and Sharjah. Specifically, this report will be targeted to stakeholders interested in opening such establishment. statistics stated tha Indian expats living in the United Arab Emirates (UAE) constitute the largest part of the population of the country. Over 3,420,000 Indian migrants are estimated to be living in the UAE, which is over 27 percent of the total population of the UAE. Additionally, I will attempt to answer the questions “Where should I open an Indian Restaurant?” and “Where should I stay If I want great Indian food?

The first task would be to choose by analyzing location data for opening the restaurant and short listing a city, where Indian restaurants are not amongst the most common venues, and yet as close to the city as possible, with the maximum distance and higher demand.

We will make use of our data science tools to analyze data and focus on the safest borough and explore its neighborhoods(cities) and the most common venues in each city so that the best city for the investment will be selected.

### **Data**

In order to answer the above questions, All data related to locations and quality of Indian restaurants will be obtained via the Foursquare API utilized via the Request library in Python.

### **Methodology**

• Foursquare be used to locate all venues and then filtered by Indian restaurants.

• Data will be sorted based on distance between restaurants as well number of establishments.

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

**Problem Statement**

1. What is / are the best location to open an Indian restaurant within the three cities Dubai, Abu Dhabi and Sharjah?
2. In what City should I open an Indian restaurant to have the best chance of being successful?
3. Where would I go in Abu Dhabi or Dubai or Sharjah to have the best Indian food?

### **Results / Conclusion**

, I would open an Indian restaurant in Dubai. Dubai has multiple restaurants with average distance of 0.092 which a good figure considering the that 51% of its population ae Indian and the popularity of Indian cuisine within the other citizens as well tourists since Dubai the most tourist welcoming city. As a final note, all of the above analysis is depended on the adequacy and accuracy of Foursquare data. A more comprehensive analysis and future work would need to incorporate data from other external databases.