**Introduction**

This data science project is aimed at comparing different cities around the world and determine how similar or dissimilar they are. The scope will include a major city from the main continents around the world. This project is to determine how location, culture and weather impacts the similarities between the cities. The following cities are in scope:

1. New York
2. Rio De Janeiro
3. London
4. Lagos
5. Shanghai

These cities will be compared based on:

* Restaurants
* Hotels
* Churches

**Data**

* This project will use the Foursquare location data to convert cities into their equivalent latitude and longitude values and use Foursquare API to explore the neighborhoods in each city.
* The explore function will be used to get the most common venue categories in each city based on the scope listed above.
* Using the venues, the group neighborhoods will be grouped into clusters.
* The cities will also be visualized using the Folium library