Sample 10 – week activities plan

Analysis

I used the Google Cloud Platform the obtain a personal API Key for Geolocation API, Geocoding API, and Places API to use within my Python code to effectively collect the address of nearby locations.

Google Maps API and Python script were utilized to gather the locations of nearby restaurant, events, and conference locations. Each of these different locations is outputted in a dedicated Excel file named as “restaurant”, “events”, and “conference”. The default distance from the address to these locations is set at 2 miles since I believe it is a reasonable walking distance.

A second Python script is then used to merge these 3 Excel files into one named as “location”. The order of the data in the “location” Excel file is the conference location addresses, then the event addresses and finally the address of various restaurant.

A third Python script was utilized to display the number of restaurants, event locations per input addresses.

However, I was not able to finish the visualization task on time. I was only able to visualize the number of restaurants per location. I will be able to display the number of event venues, conference locations in the same way that I have done with the number of restaurants graph. But I do know how to continue from here since I can re-use my existing code with a slight modification to automate the task of displaying the data stored under various Excel file (.xlsx) format obtained from my Google Map API.