EXPLORE YOUR NEW TOWN

1. A description of the problem and a discussion of the background.

I am a prospective Masters Student at the University of South Florida, Tampa.

I am taking up this capstone project to cater needs of International students, since I am one from India. This project will help us to get to know in and out of the neighbourhood of a city where we would be living in future i.e. before arrival on campus. So, that one can be psychologically prepared before actually being there for real and its also a good thing to know a place before you have actually been there. Not only International students even other fellow countrymen from a different location can be benefitted by this project.

Since, I am going to be on USF, Tampa campus this project deals with the neighbourhood of Tampa.

2. A description of the data and how it will be used to solve the problem

There are actually two data sets used in this project:

1. https://geodata.myflorida.com/datasets/ufl::geoplan-civic-centers-stadiums-and-other-large-capacity-facilities-boundaries-in-florida-2019/data
2. Foursquare API data

The first data set is taken from geodata.myflorida.com which has the information of all the civic centers, stadiums and other large capacity facilities in Florida which had to be refined a lot, to bring it around to Tampa, even though it was very informative, this data set did not actually cater to daily essentials information. Hence the second data set was chosen which is a Foursquare API data which was leveraged using the venues API call and further transformed into data frame, which actually helped a lot in the exploratory data analysis.