**Final Project – Week 4**

1. **Introduction:**

Description

* The purpose of this capstone project is to help people in exploring better facilities around their desired neighbourhood.
* It will help people making smart and efficient decision on selecting great neighbourhood of their choice in Scarborough, Toronto.
* Numerous people are migrating to various states of Canada and need lots of basic research to find the optimal neighbourhood as per their convenience.
* This project’s aim to create an analysis of required features for people migrating to Scarborough, Toronto to find the optimal neighbourhood.
* The features would range from housing prices to crime rates, nearby hangout places to basic institutions and lots more.

Target Audience:

* Fresh immigrants to Canada.
* People shifting to different state within Canada.
* People who want to explore their neighborhood to look for various options.

1. **Data:**

* I’ll be using the same data as used in Week 3 to complete this capstone project.

FourSquare API Data:

* Foursquare is a location data provider with information about all manner of venues and events within an area of interest. Such information includes venue names, locations, menus and even photos. After finding the list of neighborhoods, we then connect to the Foursquare API to gather information about venues inside each and every neighborhood. For each neighborhood, we have chosen the radius to be 100 meters as per convenience.
* The data retrieved through FourSquare API per venue is as follows:
* Neighborhood
* Neighborhood Latitude
* Neighborhood Longitude
* Venue
* Name of the venue explored
* Venue Latitude
* Venue Longitude
* Venue Category