TRAVEL INFO WITH FOURSQUARE

Choi Hyun Bin

WHY TRAVEL INFO?

➤ Although traveling is a pure joy, preparing it is full of agony.

➤ Foursquare API provides great amount of quality datas about locations. (caffe, restaurant etc)

➤ Using this data will allow tourists to easily decide where to go when they are in a specific city.

New York

Toronto

San Francisco

Regions(These cities were used throughout the capstone projects and also will be used for this project)

OBJECTIVES

➤ First of all, the geojson data for each city's neighborhood is required.

➤ Then, analyzing the data using the Foursquare API.

➤ Use clustering to identify each area and its category.

GEOGRAPHICAL DATA(DATA FRAME)

	Neighborhood	Latitude	Longitude
0	CENTRAL	37.8069	-122.405
1	SOUTHERN	37.79	-122.388
2	BAYVIEW	37.7084	-122.393
3	MISSION	37.7694	-122.408
4	PARK	37.7759	-122.447
5	RICHMOND	37.7824	-122.448
6	INGLESIDE	37.7083	-122.408
7	TARAVAL	37.711	-122.456
8	NORTHERN	37.8054	-122.446
9	TENDERLOIN	37.786	-122.418

San Francisco

	Neighborhood	Latitude	Longitude
0	Wakefield	40.8947	-73.8472
1	Co-op City	40.8743	-73.8299
2	Eastchester	40.8876	-73.8278
3	Fieldston	40.8954	-73.9056
4	Riverdale	40.8908	-73.9126
5	Kingsbridge	40.8817	-73.9028
6	Marble Hill	40.8766	-73.9107
7	Woodlawn	40.8983	-73.8673
8	Norwood	40.8772	-73.8794
9	Williamsbridge	40.881	-73.8574
10	Baychester	40.8669	-73.8358
11	Pelham Parkway	40.8574	-73.8548
12	City Island	40.8472	-73.7865
13	Bedford Park	40.8702	-73.8855
14	University Heights	40.8557	-73.9104
15	Morris Heights	40.8479	-73.9197
16	Fordham	40.861	-73.8964
17	East Tremont	40.8427	-73.8874
18	West Farms	40.8395	-73.8777
19	High Bridge	40.8366	-73.9261
20	Melrose	40.8198	-73.9094
21	Mott Haven	40.8062	-73.9161
22	Port Morris	40.8017	-73.9132

New York

	Neighborhood	Latitude	Longitude
0	Parkwoods	43.7533	-79.3297
1	Victoria Village	43.7259	-79.3156
2	Regent Park / Harbourfront	43.6543	-79.3606
3	Lawrence Manor / Lawrence Heights	43.7185	-79.4648
4	Queen's Park	43.6623	-79.3895
5	Islington Avenue	43.6679	-79.5322
6	Malvern / Rouge	43.8067	-79.1944
7	Don Mills	43.7459	-79.3522
8	Parkview Hill / Woodbine Gardens	43.7064	-79.3099
9	Garden District, Ryerson	43.6572	-79.3789

Toronto