

Data

I found the zip codes for towns in Morris County NJ through Google and saved out data from Zipdatamaps.com. I will match the town's zipcodes with Foursquare location data to perform the analysis.

The zip code data includes Zipcode, Town name, and Population.

Zipcode	Town	Population
07005	Boonton	15269
07034	Lake Hiawatha	9360
07035	Lincoln Park	10607

The FourSquare data includes Venue Categories within a radius, given the zip codes and towns provided. This data can then be summarized into average frequencies by category to determine the top categories by neighborhood. The clustering data analysis will utilize this input.

Sample data structure from Foursquare is listed below.

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Marble Hill	40.876551	-73.91066	Arturo's	40.874412	-73.910271	Pizza Place
1	Marble Hill	40.876551	-73.91066	Bikram Yoga	40.876844	-73.906204	Yoga Studio
2	Marble Hill	40.876551	-73.91066	Tibbett Diner	40.880404	-73.908937	Diner
3	Marble Hill	40.876551	-73.91066	Starbucks	40.877531	-73.905582	Coffee Shop
4	Marble Hill	40.876551	-73.91066	Dunkin'	40.877136	-73.906666	Donut Shop

Neighborhood	Accessories Store	Adult Boutique	Afghan Restaurant	African Restaurant	American Restaurant	Antique Shop	Arcade	Arepa Restaurant	Argentinian Restaurant	Art Gallery	Art Museum	Arts & Crafts Store
Battery Park City	0.000000	0.00	0.00	0.000000	0.015873	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Carnegie Hill	0.000000	0.00	0.00	0.000000	0.011494	0.00	0.000000	0.000000	0.011494	0.000000	0.011494	0.000000
Central Harlem	0.000000	0.00	0.00	0.066667	0.044444	0.00	0.000000	0.000000	0.000000	0.022222	0.000000	0.000000
Chelsea	0.000000	0.00	0.00	0.000000	0.040000	0.00	0.000000	0.000000	0.000000	0.070000	0.000000	0.000000