

Data

Neighborhood Councils

The Data required for this project mainly extracted from the wikipedia

In order to explore the neighborhood councils, firstly we have to extract the list of councils from https://en.wikipedia.org/wiki/List_of_towns_in_Lahore

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Union Council No 1 Begum Kot Shahdara
Union Council No 2 Yousif Park
Union Council No 3 Kot Kamboh
Union Council No 4 Shamsabad Shahdara
Union Council No 5 Chah Jhabbay Wala
...
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...
...
Union Council No 269 Bhoptian
Union Council No 270 Araiyan
Union Council No 271 Jia Bagga
Union Council No 272 Raiwind Rural
Union Council No 273 Raiwind Urban
Union Council No 274 Bablian Otar
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Geolocation

Our Data set did not contain location data. So we have to extract the geolocation of each council from geopy library. Unfortunately, it returned location of only 123 council and we had to drop the other council due to unavailability of location

Union Council		Name	NL	location	point
0	8	Faisal Park	Faisal Park,Lahore Pakistan	(Faisal Park, Makhan Pura, China Scheme, لاہور...)	(31.6037915, 74.35944568430989, 0.0)
1	11	Majeed Park	Majeed Park,Lahore Pakistan	(Abid Majeed Road (Featherston Road), St. John...	(31.5223002, 74.3723858, 0.0)
2	12	Qazi Park	Qazi Park,Lahore Pakistan	(Qazi Muhammad Isa Road, Faisal Town, Johar To...	(31.4756793, 74.3053802, 0.0)
3	18	Hanif Park	Hanif Park,Lahore Pakistan	(Hanif Garder Street 1, Sharif Pura, Haji Pura...	(31.5871834, 74.4201815, 0.0)
4	19	Siddique Pura	Siddique Pura,Lahore Pakistan	(Jamia Masjid Siddique-e-Akbar, Canal Bank Roa...	(31.5748716, 74.42893671669796, 0.0)
...
118	262	Shamkay Bhattian	Shamkay Bhattian,Lahore Pakistan	(Shamkay Bhattian, Lahore District, پنجاب, پاک...	(31.3305959, 74.1076545, 0.0)
119	263	Manga	Manga,Lahore Pakistan	(Manga, Lahore District, پنجاب, پاکستان, 55270...	(31.3070462, 74.0485141, 0.0)
120	270	Araiyan	Araiyan,Lahore Pakistan	(Faisalabad-Sheikhupura-Lahore Road, Toll Plaz...	(31.4783407, 73.2237338, 0.0)
121	271	Jia Bagga	Jia Bagga,Lahore Pakistan	(Jia Bagga, Lake City Main Boulevard, Fazala H...	(31.3304027, 74.2667851, 0.0)
122	272	Raiwind Rural	Raiwind Rural,Lahore Pakistan	(Raiwind, Lahore District, پنجاب, پاکستان, 55150...	(31.2442237, 74.215911, 0.0)

123 rows × 5 columns

FourSquare API

To find out the nearby venues in Lahore city, we will use foursquare api. 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. As such, the foursquare location platform will be used as the sole data source since all the stated required information can be obtained through the API.

The data retrieved from Foursquare contained information of venues within a specified distance of the longitude and latitude of the Councils. The information obtained per venue as follows:

	Name	latitude	longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Faisal Park	31.603791	74.359446	Optp	31.601458	74.358464	Restaurant
1	Majeed Park	31.522300	74.372386	Aramish	31.524728	74.371419	Spa
2	Majeed Park	31.522300	74.372386	GOGO Resturant	31.522615	74.368309	Restaurant
3	Majeed Park	31.522300	74.372386	Shell	31.521304	74.368287	Gas Station
4	Majeed Park	31.522300	74.372386	Haider Bakery	31.524237	74.376035	Bakery