

Strategic Location Recommendation for Opening Coffee Shop in South Jakarta

Bryan Purba

October 28, 2020

Data Description

Here is how i acquired my dataset,

- First, i found the list of districts of South Jakarta in Wikipedia and manually create the dataset according to the list [1]
- Next, i update my dataset by adding latitude and longitude. For this matter, i used geopy [2] to acquire latitude and longitude of districts in South Jakarta
- After that, i update my dataset by adding nearby venues for each districts. For this matter, I used Foursquare API [3] to acquired nearby venues for each districts in South Jakarta with Radius = 1200 km, This radius is acquired based on distances for each districts to acquire optimum number of venues.
- Next, to remove side effect of high radius value, i find duplicate venues based on column=['Venue', 'Venue Latitude', 'Venue Longitude'] and remove the row.
- Finally, i acquired dataset which contains 749 venues for all districts of South Jakarta

Here is the subset of dataset,

	Districts	Latitude	Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Cilandak	-6.283818	106.804863	Zap Permanent Hair Removal	-6.283846	106.807332	Health & Beauty Service
1	Cilandak	-6.283818	106.804863	Soto Banjar Nyaman Ibu H. Amir	-6.283951	106.807111	Soup Place
2	Cilandak	-6.283818	106.804863	HotRod Coffee & Gallery	-6.280890	106.807278	Art Gallery
3	Cilandak	-6.283818	106.804863	Studio Antasari	-6.284543	106.807511	Music Venue
4	Cilandak	-6.283818	106.804863	Utopia Residence	-6.286040	106.800989	Hotel
5	Jagakarsa	-6.330101	106.822237	Alfa Midi	-6.326790	106.820030	Convenience Store
6	Jagakarsa	-6.330101	106.822237	Standard Mini Market	-6.326818	106.823877	Department Store
7	Jagakarsa	-6.330101	106.822237	Apotek Roxy (Cabang Jagakarsa)	-6.326533	106.821211	Pharmacy
8	Jagakarsa	-6.330101	106.822237	Mie Aceh Jaly-Jaly	-6.326839	106.822548	Acehnese Restaurant
9	Jagakarsa	-6.330101	106.822237	Boloo2	-6.327426	106.823872	Fast Food Restaurant

References

- [1] https://id.wikipedia.org/wiki/Daerah_Khusus_Ibukota_Jakarta#cite_note-DKI2020-3
- [2] <https://github.com/geopy/geopy>
- [3] <https://developer.foursquare.com>