

BEST PLACE TO SET UP A COWORKING SPACE

By

MAHMUDIN RIZAL

1. Introduction

work and study are activities that almost everyone does. In practice, it is often found that humans need a place to study and work other than at home, office, or at school. Usually places like coffee shops are another main choice besides previous places, but lately there are also many people who want to study or work in coworking spaces. In this project, we will examine where is the best place to set up a coworking space, considering that this business is promising. Some conditions may be used, such as one that must be a busy place or close to several crowded places and easy to access. This project is carried out for the area around the city of Bekasi, Indonesia

2. DATA

The data used is data about the dibekasi area, including population, latitude, and longitude. All data related to locations will be obtained by using FourSquare API and Python Libraries.

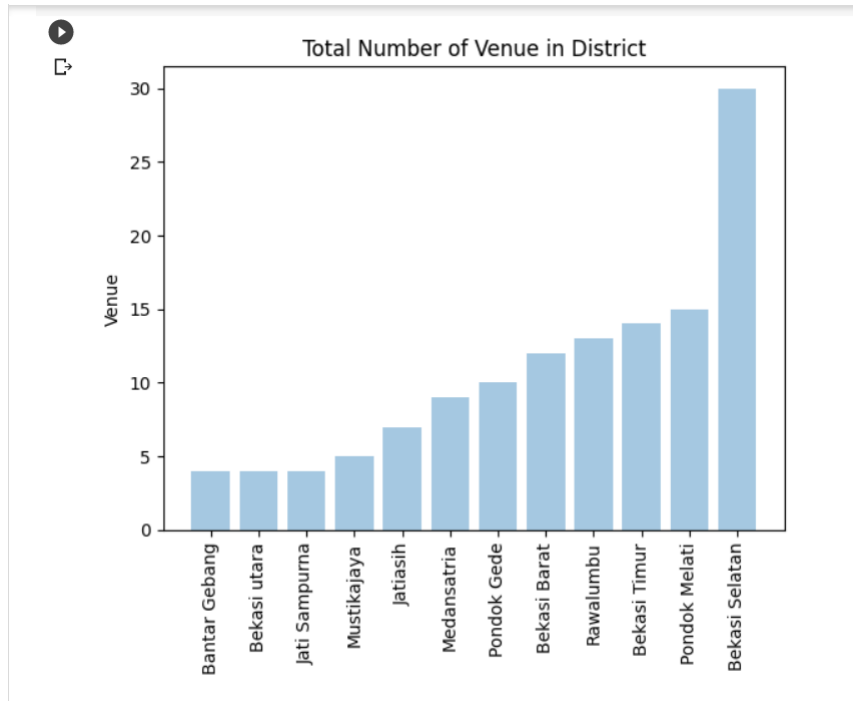
Can be seen the data is as follows

df

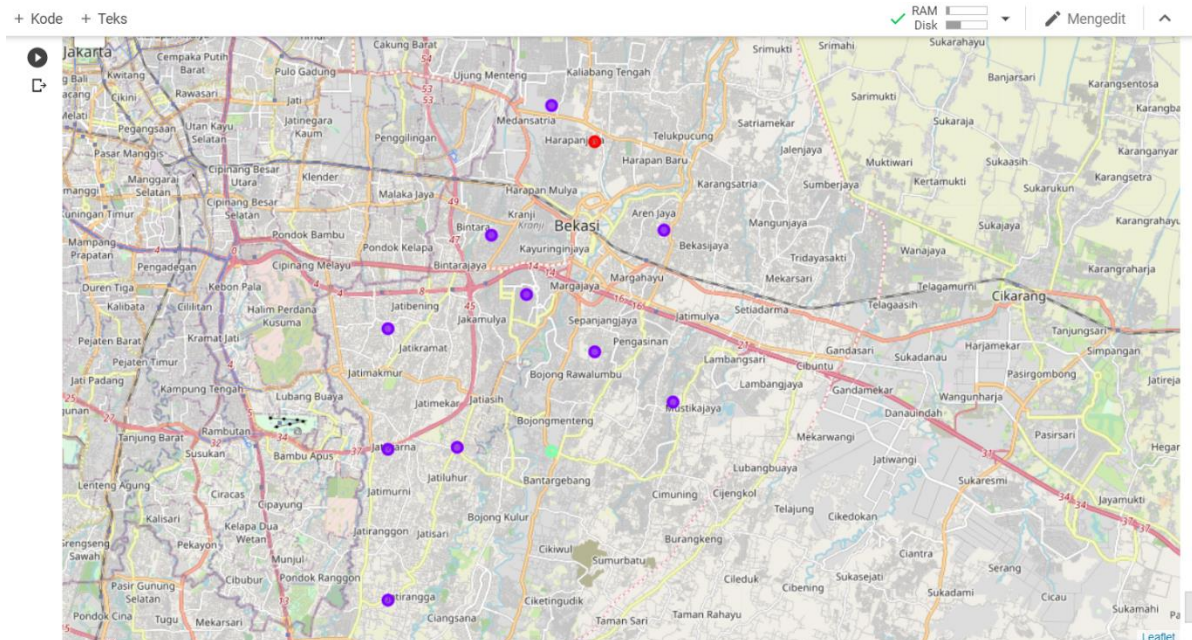


	District	total population	Latitude	Longitude
0	Pondok Gede	320249	-6.2700	106.9300
1	Jati Sampurna	161207	-6.3621	106.9300
2	Pondok Melati	166432	-6.3109	106.9300
3	Jatiasih	265551	-6.3101	106.9536
4	Bantar Gebang	129511	-6.3116	106.9860
5	Mustikajaya	294944	-6.2949	107.0274
6	Bekasi Timur	260759	-6.2363	107.0244
7	Rawalumbu	278816	-6.2779	107.0008
8	Bekasi Selatan	234235	-6.2582	106.9772
9	Bekasi Barat	306220	-6.2382	106.9654
10	Medansatria	193497	-6.1941	106.9860
11	Bekasi utara	402430	-6.2064	107.0008

for the number of each venues by district can be seen in the table below



3. Result using Clustering



4. Conclusion

Formed 3 clusters, with cluster 1 containing 1 district, cluster 2 containing 10 districts, and cluster 3 containing 1 district. recommended to make coworking space in cluster 2 area.