Capstone Project - The Battle of Neighborhoods

Heritage Sites in INDIA

INTODUCTION

INDIA is a country which is seventh largest in area, second largest in population, one of the longest continuous history, full of cultural treasures, it becomes very difficult to identify them, register and publicize them to tourists, so that they can be preserved and exhibited to the visitors, who wants to see them. Thus, the aims to present a general survey of heritage properties in India .

DATA

In order to accomplish this goal, latitudes and longitudes of the Heritage sites of all places in India are required. But the sites are pretty large of fifty two existed all the locations can't been founded so to simplify the goal only Forts around India are taken into the account. The "https://www.latlong.net" and "wikipedia.com" offers a simple, accurate and up-to-date database of the Heritage Sites and their locations. From this data, I need to select the Sites and using their latitude and longitude values, I need to explore the venues section around these cities by utilizing Foursquare API.

 The "Wikipedia.com" data contain Heritage, corresponding latitude, longitude from "https://www.latlong.net" and country name along with many other feature s for Indian Heritage sites. I only use the features that I mentioned in this data and then filtered the capital cities for each country. After cleaning the data I have 52 Heritage Cites and 7 Heritage Forts.

Then I used the acquired location data to explore the nearby art venues from the Foursquare API. Using the "explore" option,I get "Venue", "Venue Latitude", "Venue Longitude" and "Venue Category" columns with 7 row in total.

METHODOLOGY

After pivoting and groping the data at hand, we get a new version of the data which includes 7 unique categories as columns. The cells contains the numbers of the corresponding category in the Data.

RESULT

The resulting map is shown by Folium package of python .

It can be seen that there are seven dominant clusters with blue marks. So, going to these places will offer direction to their visitors. When visitors are searching for Heritage Places/Sites .

CONCLUSION

To sum up, the Traveller's can go to blue marked places such as Ajmer Fort with a lot of generous enthusiasm .