One-Page Document

The distribution of various health facilities like hospitals, dispensaries, etc. in the region is essential to prevent the rapid diagnosis and treatment of Covid-19 in the region and thus limit its outbreak. The map created, focuses on the distribution of these health facilities namely hospitals, Delhi Government Dispensaries (DGDs), polyclinics, and Seed Primary Urban Health Centres (PUHC) in the North-West district of Delhi.

Data Used:

The district boundary of North-West Delhi is obtained from the Indian Admin shape file from *geofabrik*. The list of hospitals, DGDs, polyclinics and PUHCs are obtained from the Delhi government website i.e. *delhi.gov.in* . The latitudes and longitudes of these points are obtained by using *Google Earth Engine*.

Flowchart of steps:

Obtain data → Collect Latitude & Longitude from Google Earth Pro → Digitize the locations and exporting data as KML Layer → KML Layer converted into shape files → Use QGIS to open the shape files and prepare Maps (Format the labels and symbology of the points → Prepare Map Layout → Adjust the scale → Add the grids and CRS → Add Legend, North Bar and Scale → Add reference map (New Delhi) → Export Map with suitable resolution)

Complexity involved:

Complexity involved while preparing the map was to verify the obtained list with the actual ground data for providing reliable information to the users. The problem of overlapping i.e. presence of more than one health centres in proximity (problem in depicting their location on map) was solved carefully.

Application/s of the map:

1. This map can be used by the government officials to monitor the available heath centres in the area and its buffer region, which in turn will help in opening or managing more health centres with symmetric distribution.
2. This map can be used by the public of the district to know the nearest health facility which they can access at the time of emergency.
3. This map can be used by the health officials to monitor the buffer areas related to a particular health centre and thus, help them in providing the required facilities to the concerned patients at a much faster rate.

Team Name: Awesome Avirist

Topic: COVID Special Health Centres in North-West Delhi

Team members: Abhimanyu Kumar, Ashish Bhardwaj, Badal Mohanty and Utkarsh Karn

Email: ashishbhardwaj_2k20geo03@dtu.ac.in