

The Battle of the Neighborhoods – Introduction

Problem Background:

- Chennai, which was once known as Madras, is India's 4th largest city – and the 6th most populated region in the country
- Covid19 spreads with person to person contact.
- Do we have hospitals in and around the highly populated areas/wards?
- Most of the hospitals are located in the center of the city. People had options to choose the hospital and travel to the desired hospital. There were no doubts on availability of beds.
- In the current scenario of COVID19 and lockdown restrictions, movement is not easy in case of emergency.

Problem Description:

Chennai city is divided into the wards and population is measured at the ward level. Also Chennai is growing city with increase in the number of wards.

The first objective is to find the highly populated areas/wards are highly populated. Some of these wards can be in the center of the city and some in outskirts. Hospitals are not planned based on population density, number of hospitals in the same neighborhood. Given these Do we have hospitals in and around the highly populated areas/wards that is identified?

What is the radius in which the first hospital is available? In case, there are no beds in that hospital what are the list of other hospitals can be explored?

This should help an impacted person to be guided with quick insights so that emergency can be made better.

Success Criteria :

The success criteria of the project will be to identify the list of hospitals close by to the highly populated area.

References :

<https://worldpopulationreview.com/world-cities/chennai-population/>

<https://timesofindia.indiatimes.com/city/chennai/of-200-wards-31-record-no-covid-case-in-last-3-days/articleshow/75836128.cms>