

Submission Writeup

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University/Institution (if applicable): Jadavpur University (2020 pass out)

Title of Project

A Geospatial Visualization of Covid-19 in West Bengal, India

What global challenge does your project address or relate to?

This project addresses the highly critical situation of Novel Coronavirus (COVID-19) Pandemic as well as common people's access to healthcare system. Being in a "new normal", we, as a community, are going into denial about this issue, but somehow the number of new cases detected every day is still increasing rapidly. We do not have a permanent solution at hand, yet we are forced into this new normal. It is very critical to assess the situation with an objective to improve healthcare support at this hour.

This study looks and appraises the battle between Covid-19 and healthcare system in a state (West Bengal) of India with a quantitative approach.

How does this map help us better understand this challenge within a local or regional context?

This map shows the current situation of Covid-19 and respective healthcare support and the balance between the two in West Bengal, India.

West Bengal is a state in the Eastern part of India, with an extent of 21°25' N to 27°13' N, and 85°50' E to 89°50' E, and covers approximately 88,752 sq.km. area.

This state is divided into 23 districts, and each district has been studied individually with a quantitative approach. The map helps us find out which districts need more attention from the government in the matter of healthcare support and which ones are doing okay.

Both in a regional as well as in a local scale, this map is quite helpful in planning strategy for the battle between Covid-19 and healthcare support; and it has the potential of being more specific if the data for smaller administrative units are made available and therefore incorporated.



What implications does your project hold for tackling this challenge in the future?

A simple yet effective method of assessing the Covid-19 situation has been adapted in this project. The districts which are losing in the battle with the virus in the context of healthcare support and public access to healthcare, are identified from this project, and need optimum care and attention from the government. This method can be adapted for studying any region, and can be studied with as locally as possible if that data is made available. With administration looking into the districts' healthcare system more closely, the findings or results of this project will help a lot in tackling the immediate crisis and this method will go a long way if correctly adapted and results are professionally implemented.

