# Predicting the spread of Covid-19 in India

# Lavanya SN

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## 1.Introduction

### Background

Our world is dramatically changing as our global community deals with covid-19.As the ripple effect of Covid-19 careens around the world, it's forcing humankind to innovate and change the way we work and live. The coronaviraus has spread significantly worldwide,since it first emerged in China in December, 2019, making it a global pandemic.There are about 4 million confirmed cases around the world.

Though we follow, social distancing, self isolation policies ,avoiding mass gatherings and postponing major events, many of us had thought already when will this pandemic actually end.

### Problem

However, it is impossible to say when and how this coronavirus will die, and the world will finally be free from it. The report mainly focus on the next few days spread based on the trend it had followed in the past days.

### Interest

in the unprecedented times like these, the power of prediction helps people in understanding the trend, and keep them aware and helps foresee things.However, we cant model exactly how long or bad this can go, with the available data we can definitely see the trend and behave accordingly.

## Data

### 2.1 Data Sources

So far the reliable data source for finding the corona virus update globally is, <https://www.worldometers.info/coronavirus/> , and for India, <https://covid19.clutchplate.in/>

And with the help of four square data, we will able to find the spread across the regions.

### 2.2 Data Cleaning

Data scraped from covid19 – clutchplate site, and the table is cleaned, after mapping latitude and longitude from Foursquare data, we will able to find the number of active cases, recovered cases spread across India.