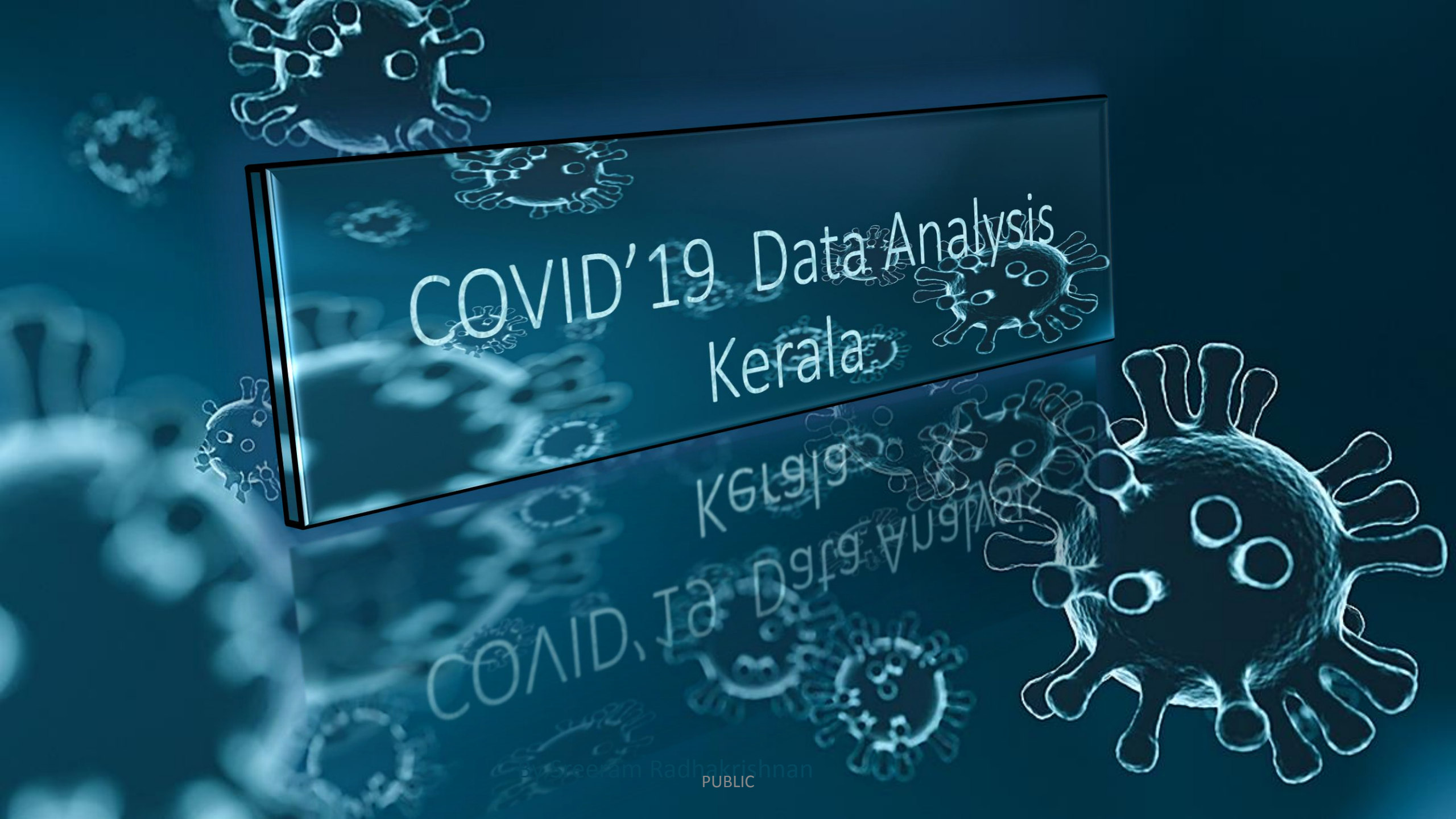

By Sreeram Radhakrishnan

The Battle of Survival in the Neighborhood

A Capstone Project on Applied Data Science by IBM Cognitive Class

By Sreeram Radhakrishnan

Table of Contents

Introduction / Business Case

Covid-19 needs no introduction to anyone in the world and will remain a most searched, most thought, most discussed word for next couple of years.
While “the vaccine” seems to be just a step away from reality, we still move around with the survival instincts as our driving force.

The project is focused on Kerala – A state in India which has bagged a lot of attention in world media for its good work on containing the virus to a large extend.

In the month of Jan’2020 we barely had any Covid testing centers and hospitals were less equipped to accommodate Covid patients, with the well thought measures from Indian government, hospitals and medical authorities were able to buy some time to prepare for a unavoidable spike in the Covid cases.
In this project we will illustrate the population density, active cases across Kerala and we will throw our focus on the commercial capital of Kerala at the number of currently operational hospitals and active laboratories for Covid tests in the neighborhood.

Target Audience

Anyone living or travelling to Ernakulam is the targeted audience on this project.
The data can also be used to identify the neighborhood with most number of hospitals.

Data

- Data Mining
- Data Cleansing
- Data Analysis
- Data Presentation

Sources:

Population Data - https://en.wikipedia.org/wiki/List_of_districts_of_Kerala
Hospital Data - https://www.medicineindia.org/hospitals-in-state/kerala
Covid Cases - https://dashboard.kerala.gov.in/

Web scraping done using BeautifulSoup
Location Data – FourSquare & Geocoder