Capstone Project - The Battle of Neighborhoods (Week 1)

Introduction

Background

The ongoing Covid19 Pandemic caused a serious distress across globe. The statistics and data related to COVID19 is humongous and is being evolved day by day. The impact of COVID19 on each country is different based on social, health and economic profile of that particular country. The response to COVID19 for each country is also different based on awareness and resources availability. The recovery from COVID19 pandemic is largely dependent on fighting it as one neighbourhood in quickly vaccinating all populations across the globe. This requires, first an evaluation of impact of COVID19 on all countries and their response so far and how to distribute vaccines around the globe maximizing resources in directing vaccines to the most needed regions on priority. Vaccine availability to entire population is not uniform. Mankind can win against COVID19 if we fight it as one neighbourhood and find vaccination clusters based on urgency, need and priority. Therefore, it is important to evaluate the COVID19 data for all countries and find how similar or dissimilar a particular country is to its neighbour.

Business Problem

The objective of Capstone Project is to evaluate the impact of COVID19 on all countries and find how similar or dissimilar are the countries in terms of COVID19 impact. Using Data Science, this project aims to provide vaccination clusters based on impact and priority for effective distribution and direction of vaccinating Global population.

Data

Coronavirus Country profiles are available in [Coronavirus Pandemic (COVID-19) - Statistics and Research - Our World in Data](#).

We built 207 country profiles which allow you to explore **the statistics on the coronavirus pandemic for every country in the world**.

In a fast-evolving pandemic it is not a simple matter to identify the countries that are most successful in making progress against it. For a comprehensive assessment, we track the impact of the pandemic across our publication and we built country profiles for 207 countries to study in depth **the statistics on the coronavirus pandemic for every country in the world**.

Each profile includes **interactive visualizations**, **explanations** of the presented metrics, and the details on the **sources of the data**.

Every country profile is **updated daily**.