

# **Covid-19 Analysis project Documentation**

The outbreak of Covid-19 resulted in a lot of restrictions which resulted in so many impacts on the global economy. Almost all the countries were impacted negatively by the rise in the cases of Covid-19. If you want to learn how to analyze the impacts of Covid-19 on the economy, this article is for you. In this article, I will take you through the task of Covid-19 Impacts Analysis using Python.

## **Covid-19 Impacts Analysis (Case Study)**

The first wave of covid-19 impacted the global economy as the world was never ready for the pandemic. It resulted in a rise in cases, a rise in deaths, a rise in unemployment and a rise in poverty, resulting in an economic slowdown. Here, you are required to analyze the spread of Covid-19 cases and all the impacts of covid-19 on the economy.

1. the country code
2. name of all the countries
3. date of the record
4. Human development index of all the countries
5. Daily covid-19 cases
6. Daily deaths due to covid-19
7. stringency index of the countries
8. the population of the countries
9. GDP per capita of the countries

## Data Preparation

The dataset that we are using here contains two data files. One file contains raw data, and the other file contains transformed one. But we have to use both datasets for this task, as both of them contain equally important information in different columns. So let's have a look at both the datasets one by one:

After having initial impressions of both datasets, I found that we have to combine both datasets by creating a new dataset. But before we create a new dataset, let's have a look at how many samples of each country are present in the dataset:

So we don't have an equal number of samples of each country in the dataset. Let's have a look at the mode value:

So 294 is the mode value. We will need to use it for dividing the sum of all the samples related to the human development index, GDP per capita, and the population. Now let's create a new dataset by combining the necessary columns from both the datasets: