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# Covid-19 Data Analysis

Are we Winning or Losing?



Shritam Kumar Mund

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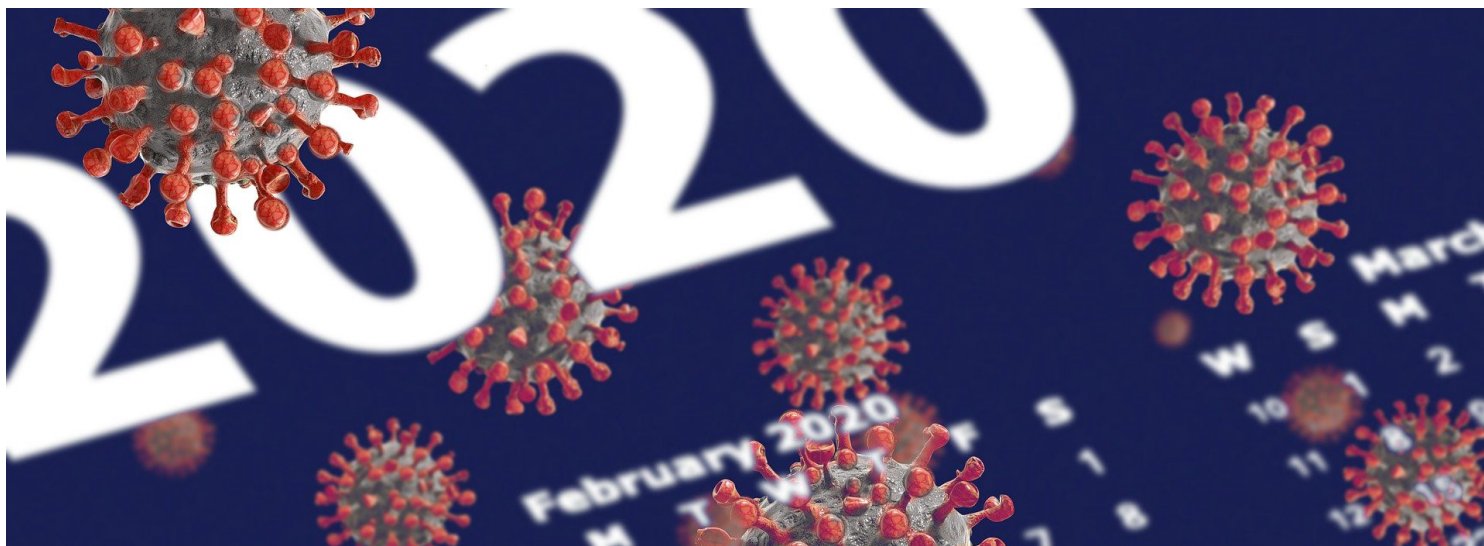
May 31 · 4 min read

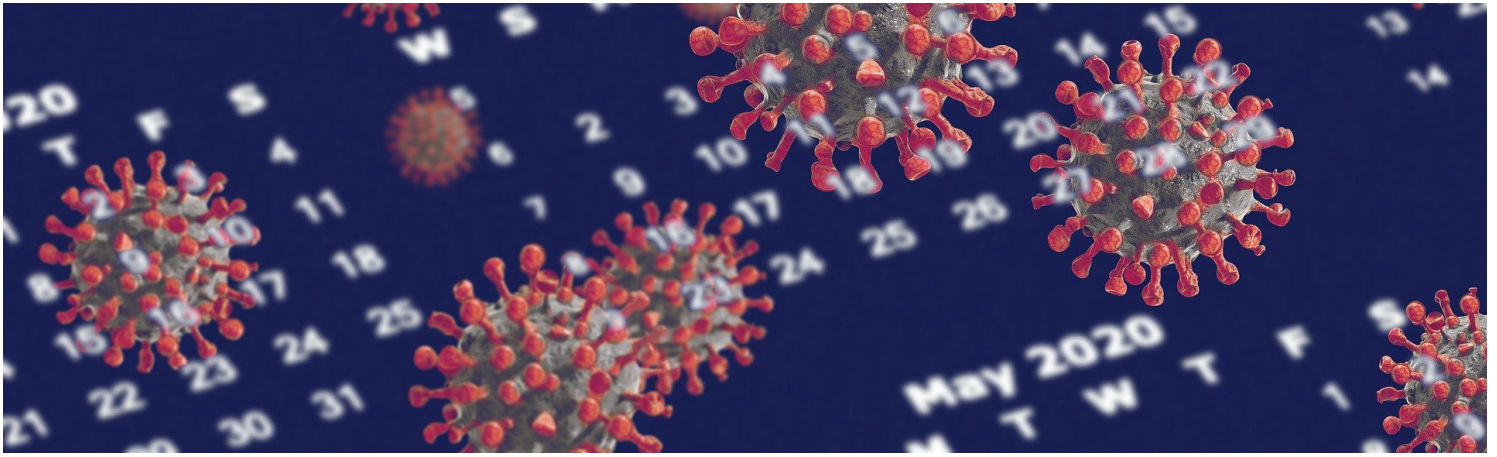
The COVID-19 pandemic, also known as the coronavirus pandemic, is an ongoing pandemic of coronavirus disease 2019, caused by severe acute respiratory syndrome coronavirus 2. The outbreak was first identified in Wuhan, China, in December 2019. The World Health Organization declared the outbreak a Public Health Emergency of International Concern on 30 January, and a pandemic on 11 March. It triggered to claimed more than 6 million lives as of 31' st May.

But wait!

Do we really know where we are heading?

Are we winning or losing?





There's still much unknown about the virus that causes Covid-19, but as time goes on scientists are learning more and more.

In order to help people better assess the situation, and to promote rational reactions, the pandemic data must be easily accessible to the general public. Many websites have been publishing some pandemic numbers in real-time. The data used in this project are the DataHub Open Data. They can be downloaded from this [link](#), as well as this [link](#).

For this project, I am interested to better understand the following questions:

1. Which date has recorded the highest coronavirus death so far?
2. What is the Biggest one-day recovery in Covid-19 cases worldwide?
3. What is the current total number of active cases worldwide?
4. What are the top 10 countries that have the highest active cases so far?
5. How many countries have recorded zero death case so far?

Let's answer this one by one.

**Q1. Which date has recorded the highest coronavirus death so far?**



Here we can see, **17th April** has reported a total of **8858** coronavirus deaths, highest in one day so far.

## **Q2. What is the Biggest one-day recovery in Covid-19 cases worldwide?**

In the graph below, I was interested to see the highest one-day recovery date. The lines represent the increased cases of coronavirus till the 29th of May.

As we can see from the graph, the biggest one-day jump in Covid-19 cases on **May 22, 2020**, reported **108.245k** number of patients recovered.


## **Q3. What is the current total number of active cases worldwide?**

By removing deaths and recoveries from total cases, we can get the “current infected cases” or “active cases”.

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*Active Cases = Number of Confirmed Cases — (Number of Recovered Cases — Number of Death Cases)*

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From the above chart, we can clearly see that, we are having a total of **3.795607 Million** active cases worldwide.

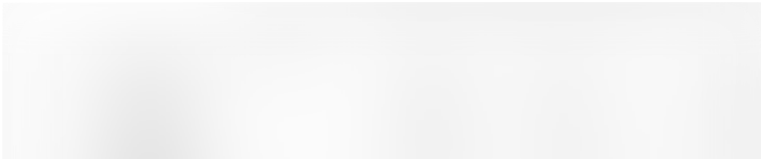
#### **Q4. What are the top 10 countries that have the highest active cases so far?**

As you can see from the bar chart, *'US', 'Brazil', 'Russia', 'United Kingdom', 'Spain', 'Italy', 'France', 'Germany', 'India', and 'Turkey'* has reported the highest active cases so far.



#### **Q5. How many countries have recorded zero death case so far?**

While some countries have seen a gradual rise in cases, others, like *'Rwanda', 'Uganda', 'Vietnam', 'Mongolia', 'Cambodia', 'Eritrea', 'Bhutan', 'Saint Vincent and the Grenadines', 'Timor-Leste', 'Namibia', 'Grenada', 'Laos', 'Saint Lucia', 'Fiji', 'Dominica', 'Saint Kitts and Nevis', 'Holy See', 'Seychelles', 'Papua New Guinea', 'Lesotho'*, have reported zero cases.





- There are a total of **20** countries have recorded zero death case so far.

## Conclusion:

Analysis like these is useful because they help us understand the most likely outcomes as well as best- and worst-case possibilities. I hope you find it convenient and helpful to gain a better understanding of the recent coronavirus pandemic.

Here is the [GitHub](#) link of the project.

### *Reference:*

1. [Wikipedia](#)
2. [Novel Coronavirus \(COVID-19\) Cases, provided by JHU CSSE](#)

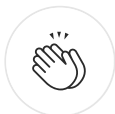
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