COVID - 19 Vaccinations Trend Analysis

Aim -

This Project mainly aims to find out the trend of the vaccinations around the world for the prevention of the Covid 19 pandemic and how much has been achieved so far.

in 2019 and was later spread throughout the world due to human contact in one way or the other. The disease showed symptoms as basic as mild fever and cold but also caused life threatening symptoms like breathing problems caused by damage to the lungs. As this virus was new to the world and there was no vaccine or cure to it at the initial period there were several deaths around the world. The countries around the world were forced to shut themselves to others in order to avoid the further spread of the virus and people were stuck inside their houses and faced many issues with their finances, mental health etc., and felt like animals in a cage. An effort was made to find a cure or vaccine by several health organizations to bring a stop to this pandemic. In later stages of 2020 several experimental vaccines were developed and was administered to humans. The efforts were successful as the vaccines were helpful in

reducing the affects the virus and even if people were infected, they were not in any life threating situation and escaped the illness having only minor symptoms. Many countries later developed their own vaccines and also helped other countries without the resources by providing them with vaccines developed. Problem Statements -

1. In this project we have analyzed the top 10 fully vaccinated countries 2. We have analyzed the top 5 vaccinated countries 3. We have analyzed the top 5 daily vaccinating countries

vaccinations, people who have fully vaccinated, people

who is vaccinated 5. We have analyzed year wise daily vaccinating details,

fully vaccinated people details, vaccinated people details

4. We have analyzed the total number of daily

- Methodology -
- Data Importing -In power BI desktop with the help of the get data option import the CSV data which is named as

And in that some of the columns contained null values I have replaced the null values by 0 with the use of

Visualizations -

Step 2 -

Step 3 -

software I have used different kinds of charts, graphs, cards and table to display the data in the format which will be easy to understand. Analysis -In the analysis part first | have analyzed the top 10 fully

In visualization part with the help of power BI desktop

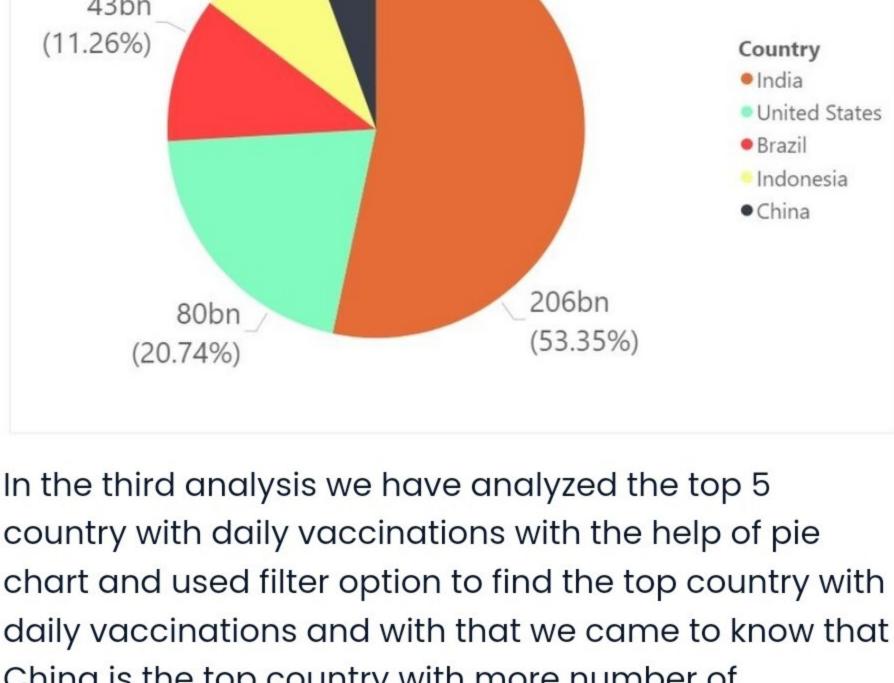
vaccinated countries by using area chart and have used the filter option to find the top countries and the

result obtained as below,

and china with 67 billion and 35 billion respectively. Top 10 Fully Vaccinated Countries 120bn

with 116 billon , followed by united states of America

United States of America and Brazil. Top 5 Vaccinated Countries 22bn (5.6%) 35bn (9.05%) 43bn



Sum of total_vaccinations Sum of daily_vaccinations From the above images we have came to know about the statics of daily vaccination, people who have fully vaccinated and people who is vaccinated and I used cards for this to display the value. Total Vaccinations by Year 2022 0.79T 2021 1.22T 2020 0.001 0.0T 0.2T 0.4T 1.0T 1.2T 1.4T Sum of total_vaccinations Above image have shown that daily vaccinating details year wise and here we can conclude that 2021 is a year which having maximum daily vaccinating details and I have used bar chart.

2Τ

281M 1.38M Sum of people fully vaccinated per hundred Sum of daily_vaccinations_per_million 3.50M1.69M Sum of people vaccinated per hundred Sum of total_vaccinations_per_hundred From the above images we have analyzed the daily vaccinations per million, people who have fully vaccinated per hundred, people who have vaccinated per hundred, total vaccinations per hundred. Sum of people_fully_vaccinated_per_hundred, Sum of people_vaccinated_per_hundred and Sum of total_vaccinations_per_hundred by Year Sum of people_fully_vaccinated_per_hundred
Sum of people_vaccinated_per_hundred
Sum of total_vaccinations_per_hundred

2.3M

0.9M 0.5M 2022 From the above image we came to know about people who have vaccinated per hundred, people who have fully vaccinated per hundred, total vaccinated per hundred and we came, to know about that 2021 was the peak year in all the 3 cases. Insights - Here we analyzed the top 10 fully vaccinated countries in which India tops the list which indicates that people in the country where showing lots of interests to get vaccinated. And also analyzed top 5 vaccinated countries here also India tops the list. And then analyzed top 5 daily vaccinating countries

Recommendations -

Conclusions -

all over the world.

- We should collect day to day reports and we should update our records daily to get more accurate details.
- So that we can move forward with more vaccination to the right country which needs the most.

In this dataset we came to know that the vaccination

process in every country was going in good pace that

indicates we can have control of this disease very soon

Introduction -The COVID 19 pandemic caused due to the Corona virus devastated the world by causing several fatalities around the world. This virus originated in Wuhan, China

6. We have analyzed the country wise vaccines and

iso_code details.

- Step 1 -
- Data Cleaning -After loading the data and after analyzing the data | understood that there are 86512 rows and 15 columns.

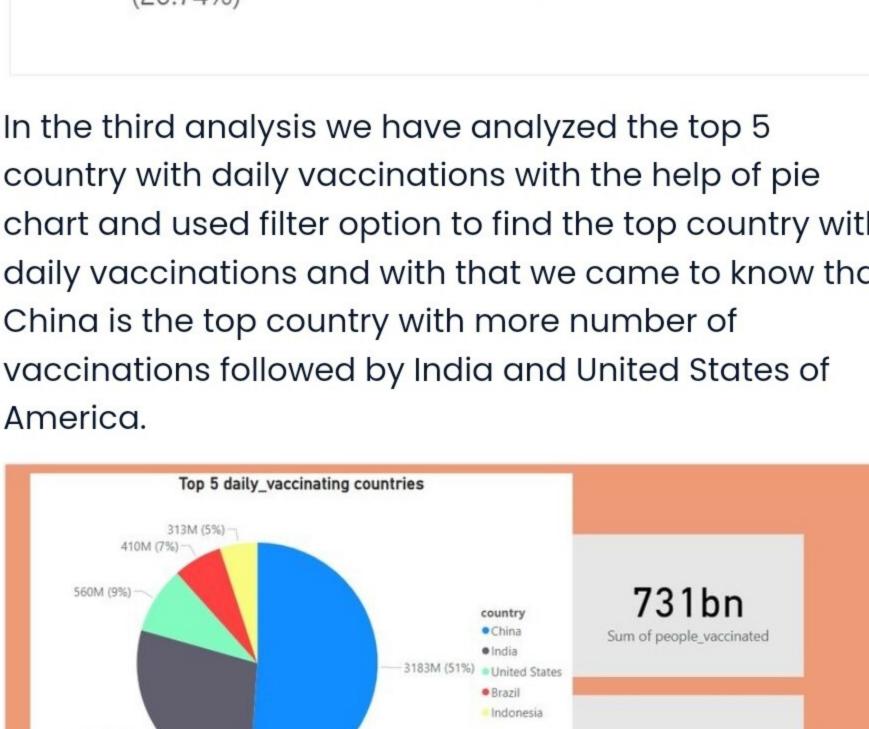
replace functions and started working on the data.

country_vaccinations and clicked load option.

From the below image we can able to come to know that India is the top country in terms full vaccination

In the second analysis we have analyzed the top 5 vaccinated countries with the help of pie chart and used filter option to find the top countries and with that we came to know that India is the top country with more number of vaccinated peoples followed by

23bn



549bn

Sum of people_fully_vaccinated

1765M (28%)

Azerbaijan

Bahamas

Bahrain

Bangladesh

Barbados

Belarus

Belgium

Bermuda

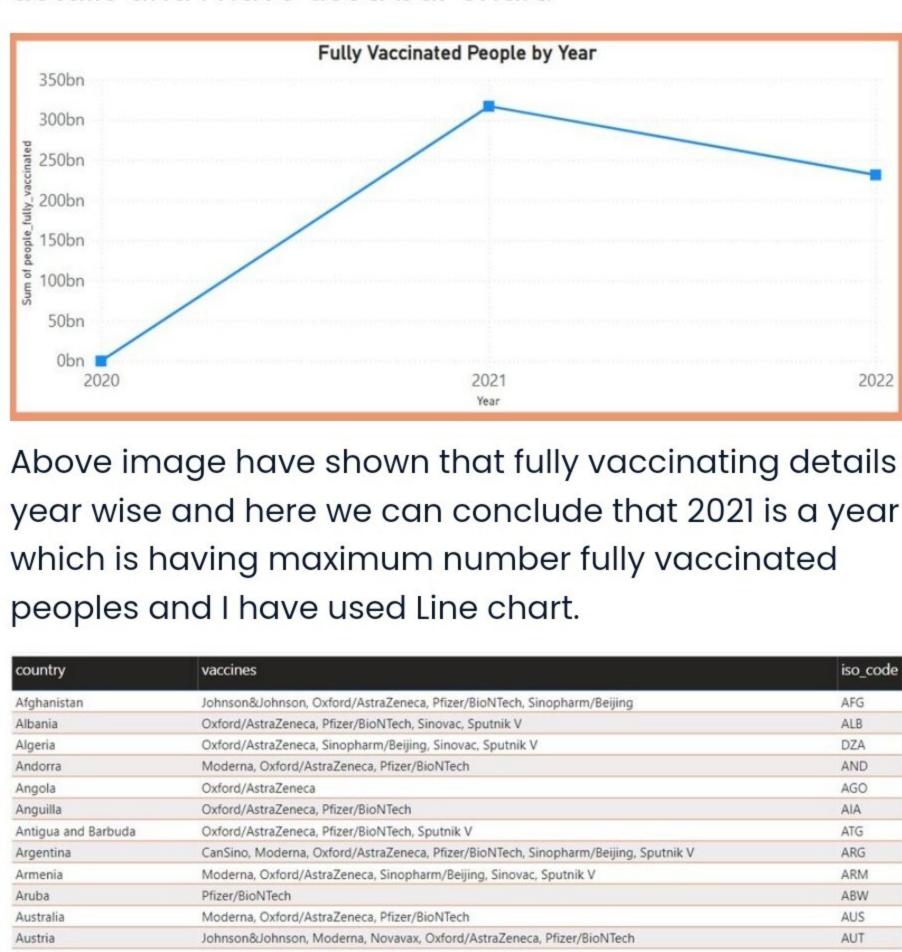
हु 4M

1M

Bhutan

Belize

11bn



Oxford/AstraZeneca, Pfizer/BioNTech, Sinovac, Sputnik V

Johnson&Johnson, Oxford/AstraZeneca, Pfizer/BioNTech

Oxford/AstraZeneca, Pfizer/BioNTech, Sinopharm/Beijing

Johnson&Johnson, Moderna, Oxford/AstraZeneca, Pfizer/BioNTech

Johnson&Johnson, Oxford/AstraZeneca, Pfizer/BioNTech, Sinovac

Moderna, Oxford/AstraZeneca, Pfizer/BioNTech, Sinopharm/Beijing

Johnson&Johnson, Oxford/AstraZeneca, Pfizer/BioNTech, Sinopharm/Beijing

From the above chart I have used table to understand

the vaccine details and iso_code details country wise.

Sinopharm/Beijing, Sputnik V

Oxford/AstraZeneca, Pfizer/BioNTech

Johnson&Johnson, Moderna, Oxford/AstraZeneca, Pfizer/BioNTech, Sinopharm/Beijing, Sputnik Light, Sputnik V BHR

Johnson & Johnson, Moderna, Oxford/Astra Zeneca, Pfizer/Bio NTech, Sinopharm/Beijing, Sinovac

AZE BHS

BGD BRB

BLR

BEL

BLZ

0.5M

And also we analyse the sum of daily vaccinating

details, fully vaccinating and vaccinating people

details. And our year wise analyse shows that 2021 was the peak year for every vaccination details.

and here China tops the list.