PROJECT-1, COVID-19 VACCINATIONS TREND ANALYSIS

AIM:

- The aim of the project is to analyze the data in detail by using people vaccinated and people fully vaccinated according to the date and year.

INTRODUCTION:

- The main purpose of the project is to analyse various kinds of covid-19 vaccination details so that we can be able to understand different vaccination throughout the world we can derive some recommendations, Insights and can bring out a conclusion.

PROBLEM STATEMENT:

- In our project we need to find, how many people are vaccinated and fully vaccinated in the years 2021 and 2022.
- Need to analyze the top 10 vaccinated countries.
- Need to analyze the top 10 daily vaccinated countries.
- Need to analyze all vaccination details.

Methodology:

STEP 1- DATA IMPORTING.

- The given dataset CSV file needs to be imported into the power bi software and click the load option.
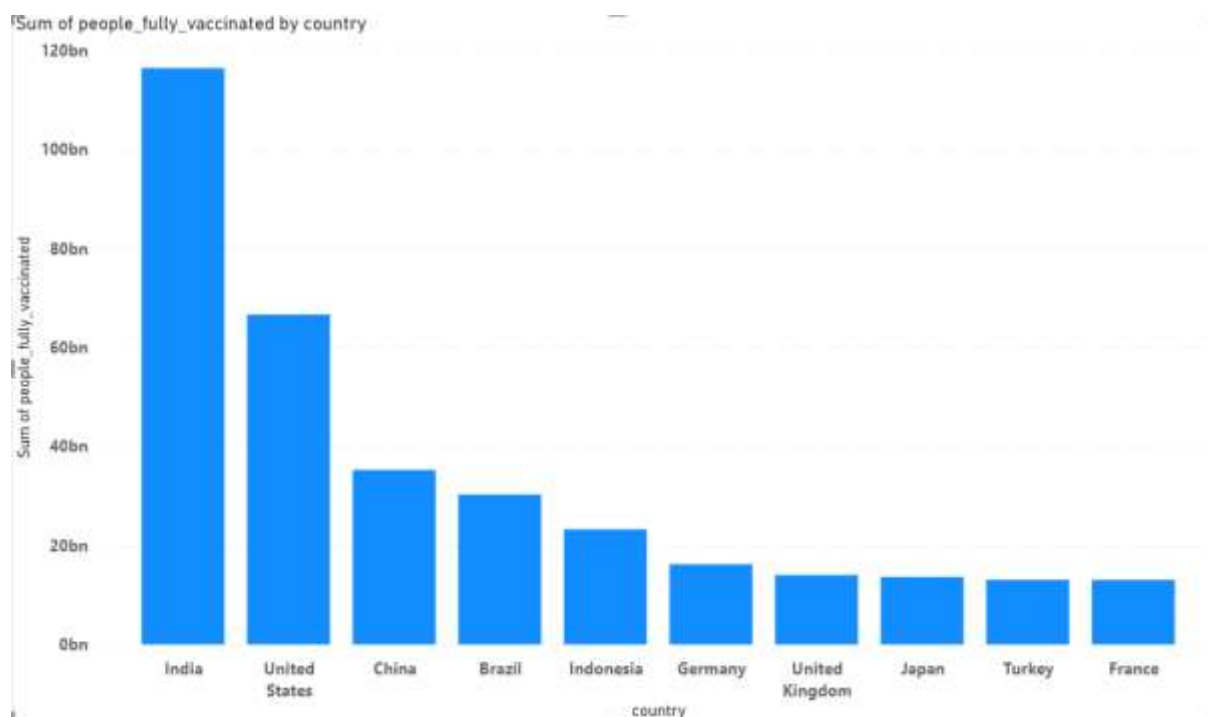
STEP 2- DATA CLEANING.

- After analyzing the, we have found that the null value has to be changed. For this replace option is used to replace null with 0.

STEP 3- VISULAIZATION

- For visualization I have used some tables, graphs and charts for the best presentation and visualization.
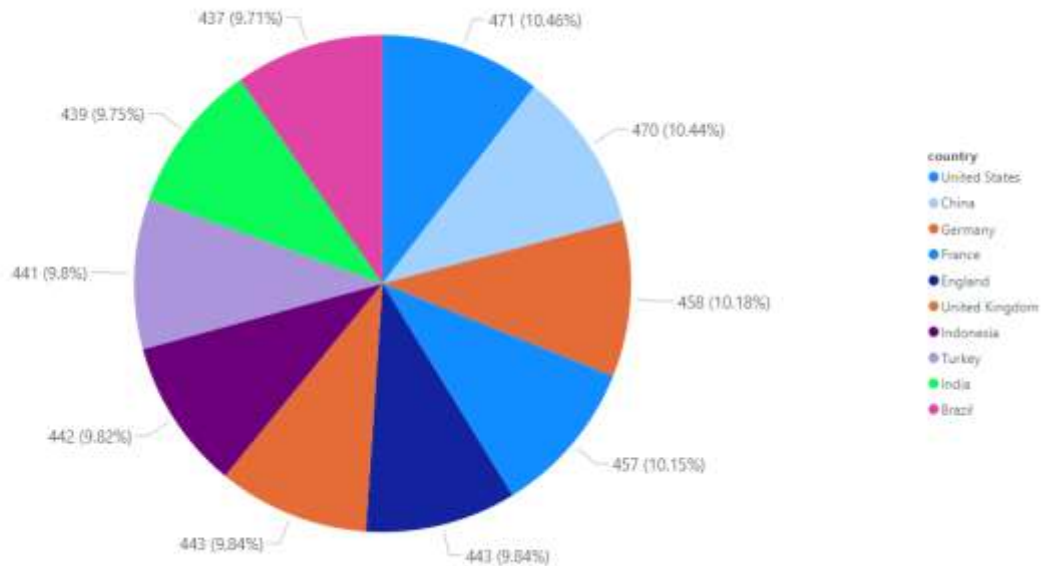
ANALYSIS:

- In this part, first I have analyzed the top 10 countries where people are fully vaccinated. From the image shown below, we know the top 10 countries for people fully vaccinated.

Sum of people_fully_vaccinated by country

- From the above analysis, India is in first from people fully vaccinated countries. And the top 10 countries are fully vaccinated are shown clearly.

- In the second analysis, According to country-wise, the total vaccinations are shown in pie chart.
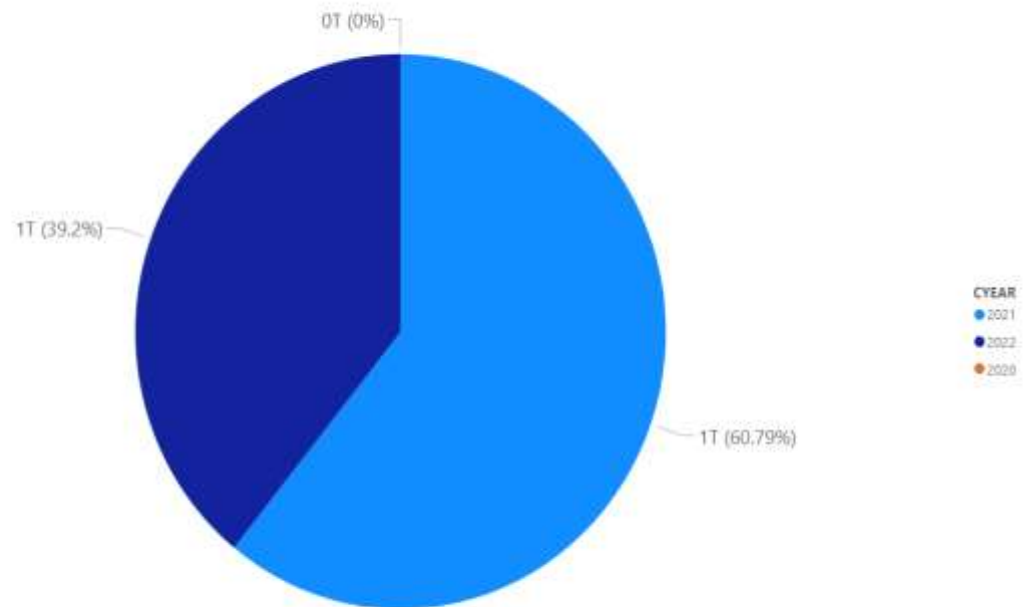
Count of total_vaccinations by country

437 (9.71%)   471 (10.46%)

439 (9.75%)   470 (10.44%)

country
- United States
- China
- Germany
- France
- England
- United Kingdom
- Indonesia
- Turkey
- India
- Brazil

441 (9.8%)

458 (10.18%)

442 (9.82%)

457 (10.15%)

443 (9.84%)   443 (9.84%)

- In the third analysis, According to country-wise, the daily vaccinations are shown in pie chart.

Sum of daily_vaccinations by country

0.41 (5.01%)

ry
a
a
ed States
il
nesia

11bn

Sum of daily_vaccinations

- In the fourth analysis, According to year,the vaccinations are shown in pie chart.

Sum of total_vaccinations by CYEAR

- In the fourth analysis, According to year,the vaccinations are shown in pie chart.

country	vaccines
Afghanistan	Johnson&Johnson, Oxford/AstraZeneca, Pfizer/BioNTech, Sinopharm/Beijing
Albania	Oxford/AstraZeneca, Pfizer/BioNTech, Sinovac, Sputnik V
Algeria	Oxford/AstraZeneca, Sinopharm/Beijing, Sinovac, Sputnik V
Andorra	Moderna, Oxford/AstraZeneca, Pfizer/BioNTech
Angola	Oxford/AstraZeneca
Anguilla	Oxford/AstraZeneca, Pfizer/BioNTech
Antigua and Barbuda	Oxford/AstraZeneca, Pfizer/BioNTech, Sputnik V
Argentina	CanSino, Moderna, Oxford/AstraZeneca, Pfizer/BioNTech, Sinopharm/Beijing, Sputnik V
Armenia	Moderna, Oxford/AstraZeneca, Sinopharm/Beijing, Sinovac, Sputnik V
Aruba	Pfizer/BioNTech
Australia	Moderna, Oxford/AstraZeneca, Pfizer/BioNTech
Austria	Johnson&Johnson, Moderna, Novavax, Oxford/AstraZeneca, Pfizer/BioNTech
Azerbaijan	Oxford/AstraZeneca, Pfizer/BioNTech, Sinovac, Sputnik V
Bahamas	Johnson&Johnson, Oxford/AstraZeneca, Pfizer/BioNTech
Bahrain	Johnson&Johnson, Moderna, Oxford/AstraZeneca, Pfizer/BioNTech, Sinopharm/Beijing, Sputnik Light, Sputnik V
Bangladesh	Johnson&Johnson, Moderna, Oxford/AstraZeneca, Pfizer/BioNTech, Sinopharm/Beijing, Sinovac
Barbados	Oxford/AstraZeneca, Pfizer/BioNTech, Sinopharm/Beijing
Belarus	Sinopharm/Beijing, Sputnik V
Belgium	Johnson&Johnson, Moderna, Oxford/AstraZeneca, Pfizer/BioNTech
Belize	Johnson&Johnson, Oxford/AstraZeneca, Pfizer/BioNTech, Sinopharm/Beijing
Benin	Johnson&Johnson, Oxford/AstraZeneca, Pfizer/BioNTech, Sinovac
Bermuda	Oxford/AstraZeneca, Pfizer/BioNTech
Bhutan	Moderna, Oxford/AstraZeneca, Pfizer/BioNTech, Sinopharm/Beijing
Bolivia	Johnson&Johnson, Oxford/AstraZeneca, Pfizer/BioNTech, Sinopharm/Beijing, Sputnik V
Bonaire Sint Eustatius and Saba	Moderna, Pfizer/BioNTech
Bosnia and Herzegovina	Oxford/AstraZeneca, Pfizer/BioNTech, Sinovac, Sputnik V
Botswana	Covaxin, Johnson&Johnson, Moderna, Oxford/AstraZeneca, Pfizer/BioNTech, Sinovac
Brazil	Johnson&Johnson, Oxford/AstraZeneca, Pfizer/BioNTech, Sinovac
British Virgin Islands	Johnson&Johnson, Oxford/AstraZeneca

- From the above analysis, China is number 1 in total vaccinations compared to other countries.
- In year-wise 2021 is more vaccinated compared to 2022 and In 2020, no one was vaccinated.
- China, India, The united states, Brazil, Indonesia and the remaining countries are top 10 full vaccinations.

Insights:

- Here we analyzed the top 10 fully vaccinated countries in which India tops the list which indicates that people in the country were showing lots of interests to get vaccinated.

- And also analyzed the top 5 vaccinated countries here also India tops the list then analyzed the top 5 daily vaccinating countries and here China tops the list also analyse the sum of daily vaccinating details, fully vaccinating and vaccinating people details.
- year wise analysis shows that 2021 was the peak year for every vaccination details.

Recommendations:

- 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.

Conclusion:

- From the given data, we know that country-wise the people are vaccinated.
- Every country took actions in providing vaccine to people.