COVID-19 Vaccination MINI-PROJECT

Problem Statement:

Use the following covid_vaccine_statewise.csv dataset and perform following analytics on the given dataset
https://www.kaggle.com/sudalairajkumar/covid19-in-india?select=covid_vaccine_statewise.csv

    a. Describe the dataset
    b. Number of persons state wise vaccinated for first dose in India
    c. Number of persons state wise vaccinated for second dose in India
    d. Number of Males vaccinated
    e. Number of females vaccinated

Objective:

The list below indicates a number of potential public health goals to be achieved, possibly sequentially, as part of the vaccination campaign against COVID-19. The vaccination strategy required to efficiently achieve each goal is then described in detail.

- Reduction of pressure on the healthcare system.
- Reduction of overall COVID-19 severity and mortality.
- Re-opening of society.
- Disease elimination.

Theory:

In this project, you will learn how to preprocess and merge datasets to calculate needed measures and prepare them for an Analysis. In this project, we are going to work with the COVID19 dataset, which consists of the data related to the cumulative number of confirmed cases, per day ,per month and yearly, in each state of india. Also, we have another dataset consist of various life factors, scored by the people living in each state around the country. We are going to merge these two datasets to see if there is any relationship between the spread of the virus in a country and how happy people are, living in that country.

India Covid-19 Vaccination Data Analysis

Vaccination for Covid-19 in India was started on 16 January 2021. Two vaccines received approval for emergency use in India at the onset of the programme, i.e.,

i) **Covishield** (a brand of the Oxford–AstraZeneca vaccine manufactured by the Serum Institute of India) and

ii) **Covaxin** (developed by Bharat Biotech).
In April 2021, Sputnik V (distributed by Dr. Reddy's Laboratories) was approved as a third vaccine, which was deployed by May 2021. Each vaccine is divided into two doses.

Here i will analyse the data set containing all the information of vaccination done in past 5 months. The data set contain the number of people vaccinated daily in different states of the country. The data set in this analysis is verified and is collected from official website of cowin (https://www.cowin.gov.in/).

Conclusion :

   We have Successfully perform covid_vaccine_statewise.csv dataset and analytic on the given dataset.