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**Class: TE-Computer.**

**Title**

**Use the following covid\_vaccine\_statewise.csv dataset and perform following analytics on the given dataset**

**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**

**d. Number of females vaccinated**

**Introduction:**

Coronaviruses are a large family of viruses which may cause illness in animals or humans. In humans, several coronaviruses are known to cause respiratory infections ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS) and Severe Acute Respiratory Syndrome (SARS). The most recently discovered coronavirus causes coronavirus disease COVID-19 - World Health Organization.

COVAXIN® - India's First Indigenous COVID-19 Vaccine. COVAXIN®, India's indigenous COVID-19 vaccine by Bharat Biotech is developed in collaboration with the Indian Council of Medical Research (ICMR) - National Institute of Virology (NIV).

COVID-19 vaccines help our bodies develop immunity to the virus that causes COVID-19 without us .

**Vaccines:**

**A vaccine is a product designed to help prevent disease Vaccines can help individuals from getting diseases such as:**

* + **Chickenpox**
  + **Influenza (flu)**
  + **COVID-19**

**COVID-19:**

* **A virus is a kind of germ that makes a person sick**
* **COVID-19 is a disease caused by a virus discovered in 2019**

**Advantages :**

Vaccination is one of the most successful public health interventions in reducing disease spread, preventing complications and even deaths from vaccine preventable diseases.

preventing us from getting infected at all

**Disadvantages:**

* Pain, swelling, or redness where the vaccine was injected.
* Mild fever.
* Chills.
* Feeling tired.
* Headache.
* Muscle and joint aches.

**Visualization Tools:**

* All visuals used, line graphs, bar graphs, worldwide and country maps, including time series prediction graphs were created using Plotly.
* Plotly is a visualization package that can be used in both R and Python Plotly is interactive!
* Loses the interactive format when imported to slides/ppt.
* I tried taking advantage of this feature but I couldn’t make it to work.

**Conclusion:-**

Vaccines teach your immune system how to create antibodies that protect you from diseases. It's much safer for your immune system to learn this through vaccination than by catching the diseases and treating them.