

INT233:- DATA VISUALIZATION

(Project Semester January-May 2024)

Project :COVID-19 in INDIA

Submitted by :-

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Course Code :- **INT233**

Under the Guidance of

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Discipline of CSE/IT

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CERTIFICATE

This is to certify that **Pakalapati jagadeesh** bearing Registration no. **12002271** has completed **INT-233** project titled, “**ANALYSIS OF COVID-19**” under my guidance and supervision. To the best of my knowledge, the present work is the result of his/her original development, effort and study.

Signature and Name of the Supervisor

Designation of the Supervisor

School of

Lovely Professional University

Phagwara, Punjab.

Date:

DECLARATION

I am pakalapati jagadeesh, student of “Lovely School of computer science” under CSE/IT Discipline at, Lovely Professional University, Punjab, hereby declare that all the information furnished in this project report is based on my own intensive work and is genuine.

Date: 10-04-2023

Signature:-

Registration No. 12002271

Name of the student:-Pakalapati jagadeesh

ACKNOWLEDGEMENT

I have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals. I would like to extend my sincere thanks to all of them.

I am highly indebted to our teacher “Maneet Kaur:15709” for their guidance and constant supervision as well as for providing necessary information regarding the project and for their support in completing the project. Her constant guidance and willingness to share his vast knowledge made us understand this project and its manifestations in great depths and helped us to complete the assigned tasks on time. My thanks and appreciations also go to my mentors in developing the project and people who have willingly helped me out with their abilities

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Introduction

This project was developed to analyse track Covid 19 (INDIA) in this project I have analysed the dataset and made Some conclusion according to the data. This project will help us to keep track of deaths , cured , positive and negative covid cases field in India, and this project will show the most important details that can be derived from the dataset.

Dashboard Includes:-

1. Count of Cases filed In India
2. Covid Death Cases In India
3. Covid Positive Cases In India
4. Cured and Death Covid Cases In India
5. Covaxin and Covishield Administered Doses in India

Objectives :-

1. Count of Cases filed In India
2. Covid Death Cases In India
3. Covid Positive Cases In India
4. Cured and Death Covid Cases In India
5. Covaxin and Covishield Administered Doses in India

DATA SET includes(important Dimensions and measures) :-

Dimensions used :-

Covid -19 India

1. Date
2. State/Union Territory
3. Time

Covid Vaccine State-wise

1. Sate Wise covid vaccine
2. Updated on

State wise Testing Detail

1. Date
2. State

Measures used:-

Covid -19 India

1. Confirmed
2. Cured
3. Deaths
4. Covid cases failed

Covid Vaccine State-wise

- I. Covaxin Vaccine Administered
- II. Covi-Shield Administered

State wise Testing Detail

1. Negative
2. Positive
3. Latitude
4. Longitude

Analysis on dataset:-

Introduction:-

The “**COVID-19**” pandemic has significantly impacted countries worldwide, including India. With the daily increasing number of cases and deaths, it has become crucial to analyze and understand the patterns of the outbreak to make informed decisions. In this report, we present the visualization of “**COVID-19**” India dataset to provide insights into the spread of the virus in the

country. By complete Analysis data set includes the Date , Time, State/Union Territory , State Deaths, Confirmed , Deaths, Cured ,vaccines.

I. Count of Cases filed In India

Count of Cases filed In India	560
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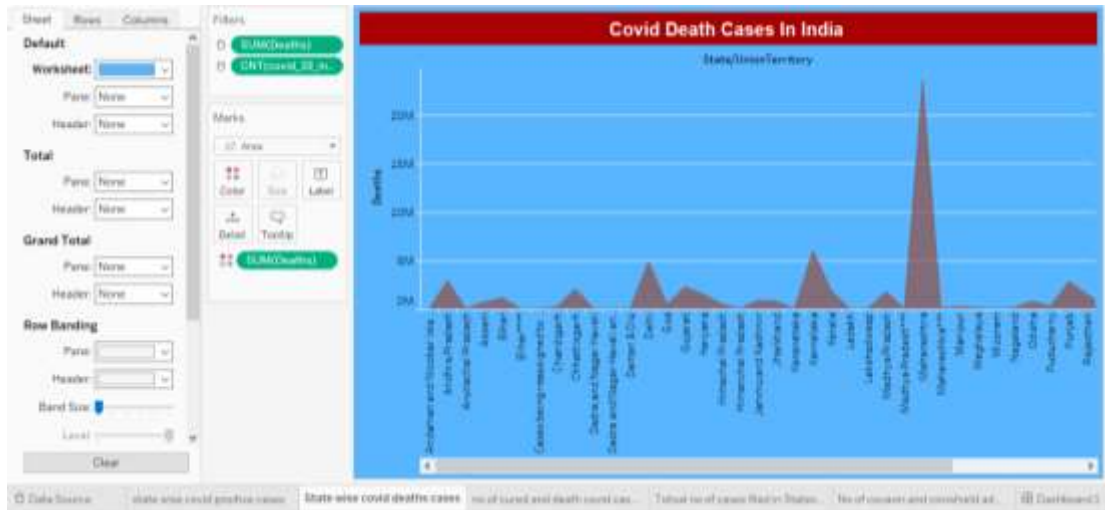
The below Tree chart Shows the Cases In India



II. Covid Death Cases In India

The below Area chart shows the death cases in India

Deaths	23,737,432
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III. Covid Positive Cases In India

The below Map shows the positive cases in different states

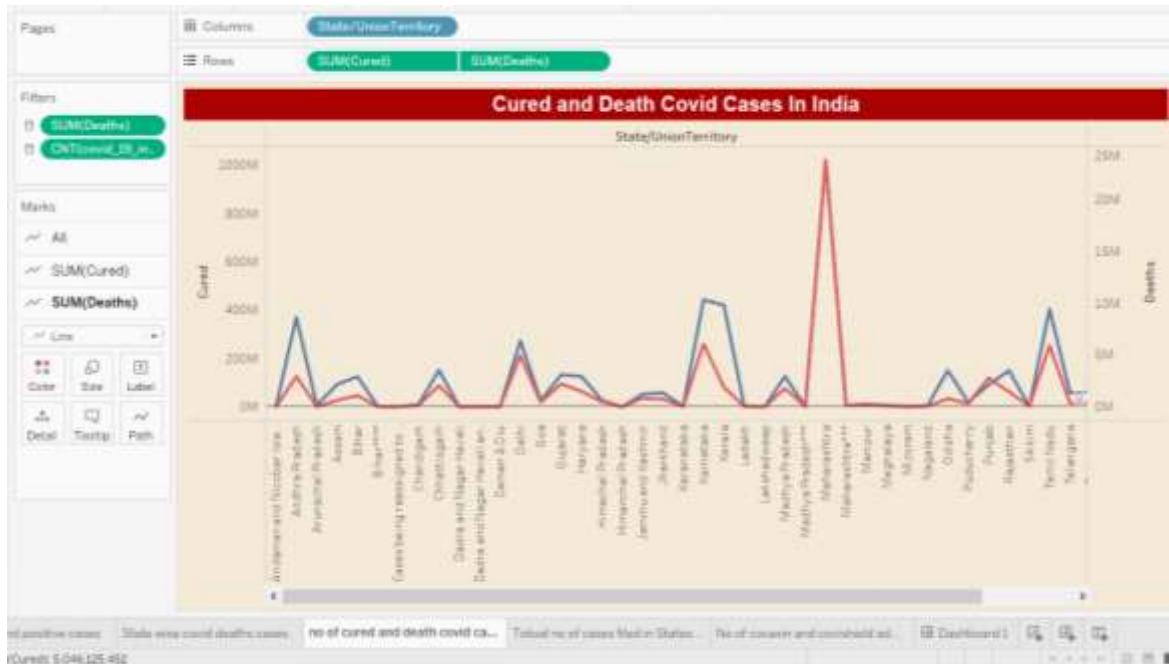
Positive cases Field	96,901,583
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IV. Cured and Death Covid Cases In India

The below Line graph shows the Deaths and cured Cases In India

Total No of Death cases	23,737,432
Total no of Cured cases	6,159,676



V. Covaxin and Covishield Administered Doses in India

The below Line bar Graph shows the no of Covishield and Covaxin administered

COVAXIN	407,481,575
COVISHIELD	3,084,927,597

General Description

The visualization of COVID-19 India dataset aims to provide a comprehensive analysis of the pandemic's impact on the country. It includes an exploration of the trends and patterns of COVID-19 cases, deaths, and recoveries in different states and regions of India

Specific Requirements:

For this visualization, we used Tableau software to create various charts, maps, and dashboards. We extracted the COVID-19 kaggle.com website and Google .

Analysis Results:

The analysis of the COVID-19 India dataset revealed significant insights into the pandemic's impact on the country. We found that the outbreak's severity and spread varied widely across different states and regions, with some areas experiencing higher caseloads and mortality rates than others.

Visualization:

The visualization of the COVID-19 India dataset included various charts, maps, and dashboards that provided an intuitive and interactive way to explore the data. We used a combination of bar charts, line charts, Maps, Area Graph and Tree maps to showcase the trends and patterns of COVID-19 cases, deaths, and recoveries.

List of Analysis with Results:

In the visualization of the COVID-19 India dataset, we performed various analyses and obtained the following results:

- Trends in daily cases, deaths, and recoveries
- Regional variations in case and death rates
- Age and gender distribution of cases and deaths
- Comparison of India's outbreak with other countries
- Impact of interventions vaccination campaigns.

Future Scope:

The COVID-19 pandemic is an ongoing crisis, and there is a need for continued analysis and monitoring of the outbreak's impact. In the future, we can expand our analysis to include more

granular data, such as testing and vaccination rates, hospitalization and ICU occupancy, and socio-economic factors that may impact the outbreak's severity and spread.

Source of dataset :- <https://www.kaggle.com/datasets/sudalairajkumar/covid19-in-india>

Reference:- <https://www.google.co.in>