

COVID-19 INDIA DATA ANALYSIS

TEAM MEMBERS

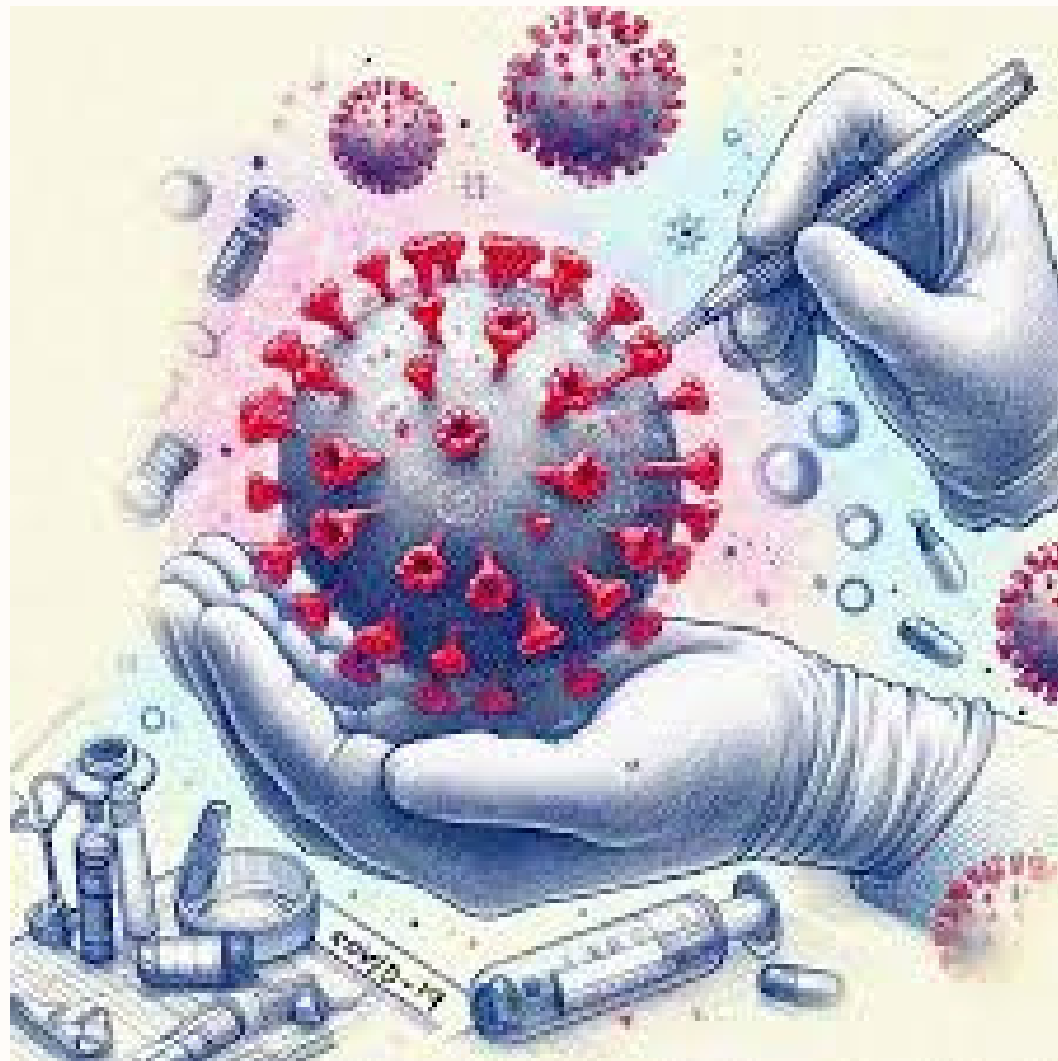
- MD NAUSHAD AHAMED
- SALONI GUPTA
- PRAJWAL S
- AYUSH RANJAN
- IBRAHUL HAQUE



TABLE OF CONTENT

- ***Introduction***
- ***Data Collection & Preparation***
- ***Exploratory Data Analysis (EDA)***
- ***Insight Task***
- ***Challenges***
- ***Learning***

COVID-19

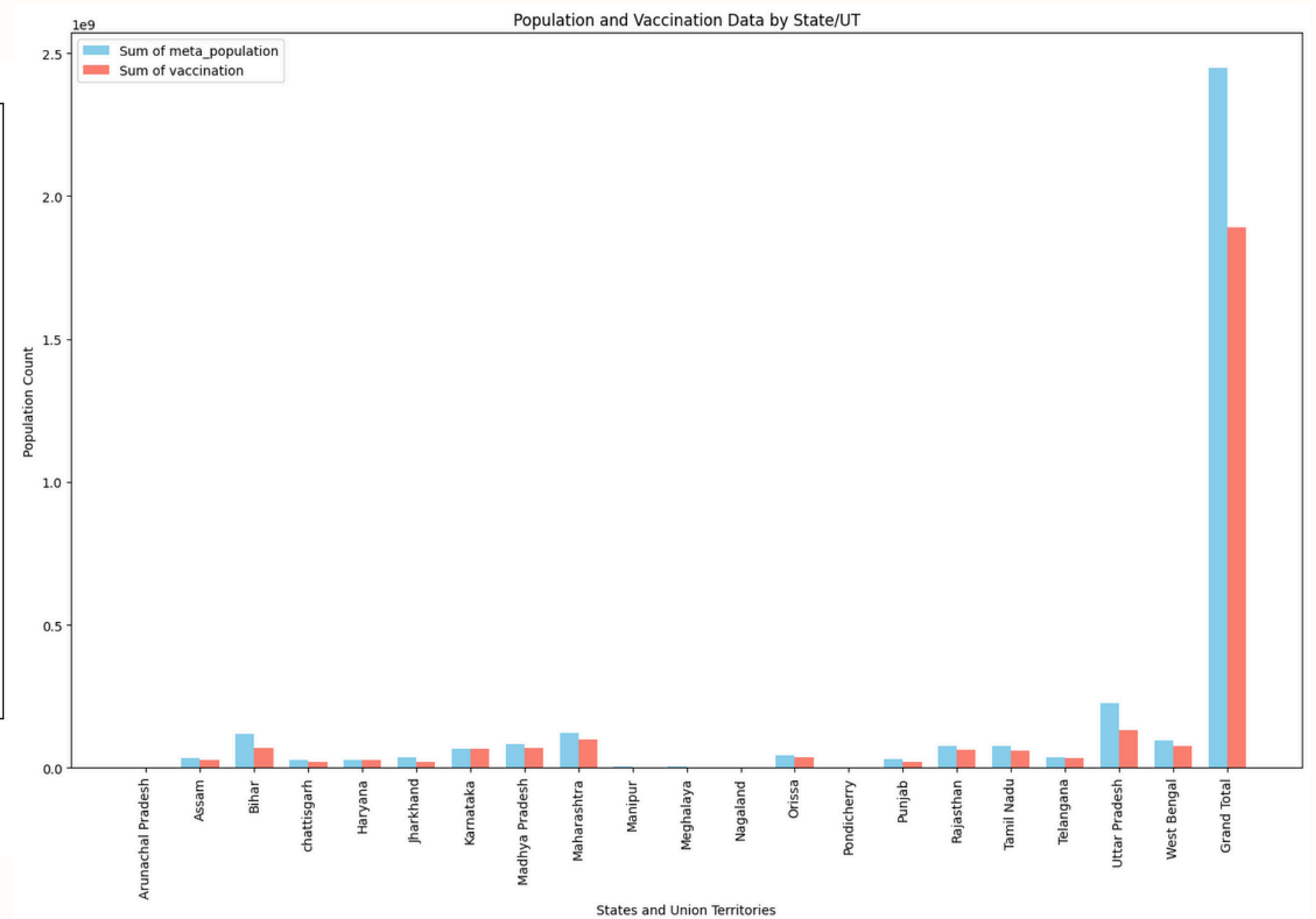
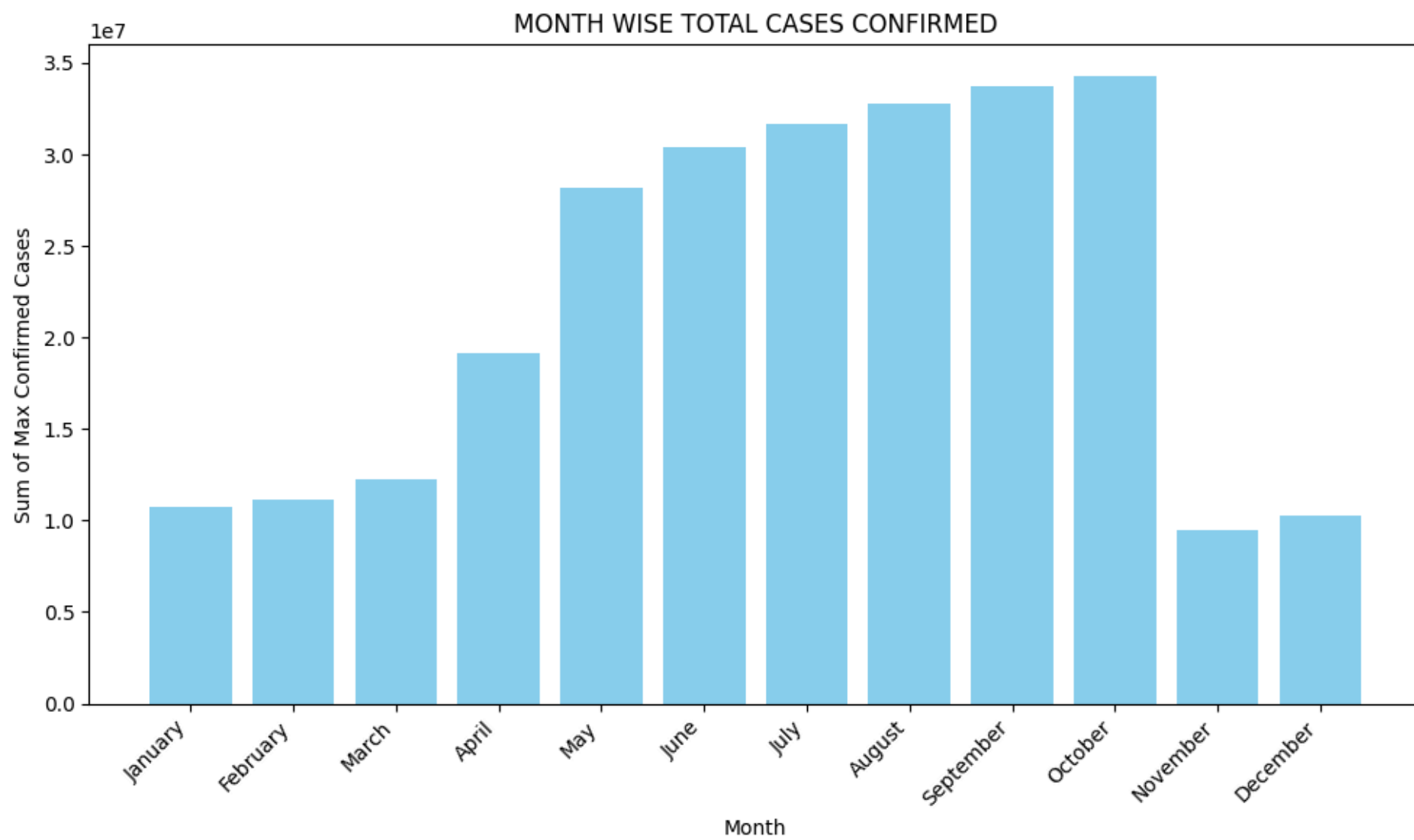


The COVID-19 pandemic has had a profound impact on India, presenting unprecedented challenges to its public health system, economy, and social structure. First detected in the country in late January 2020, the virus rapidly spread, leading to a nationwide lockdown in March 2020 as a measure to curb its transmission. The lockdown, while necessary to control the virus, resulted in significant economic disruption, affecting millions of livelihoods, particularly in the informal sector.

Preparation And Analysis Strategy.

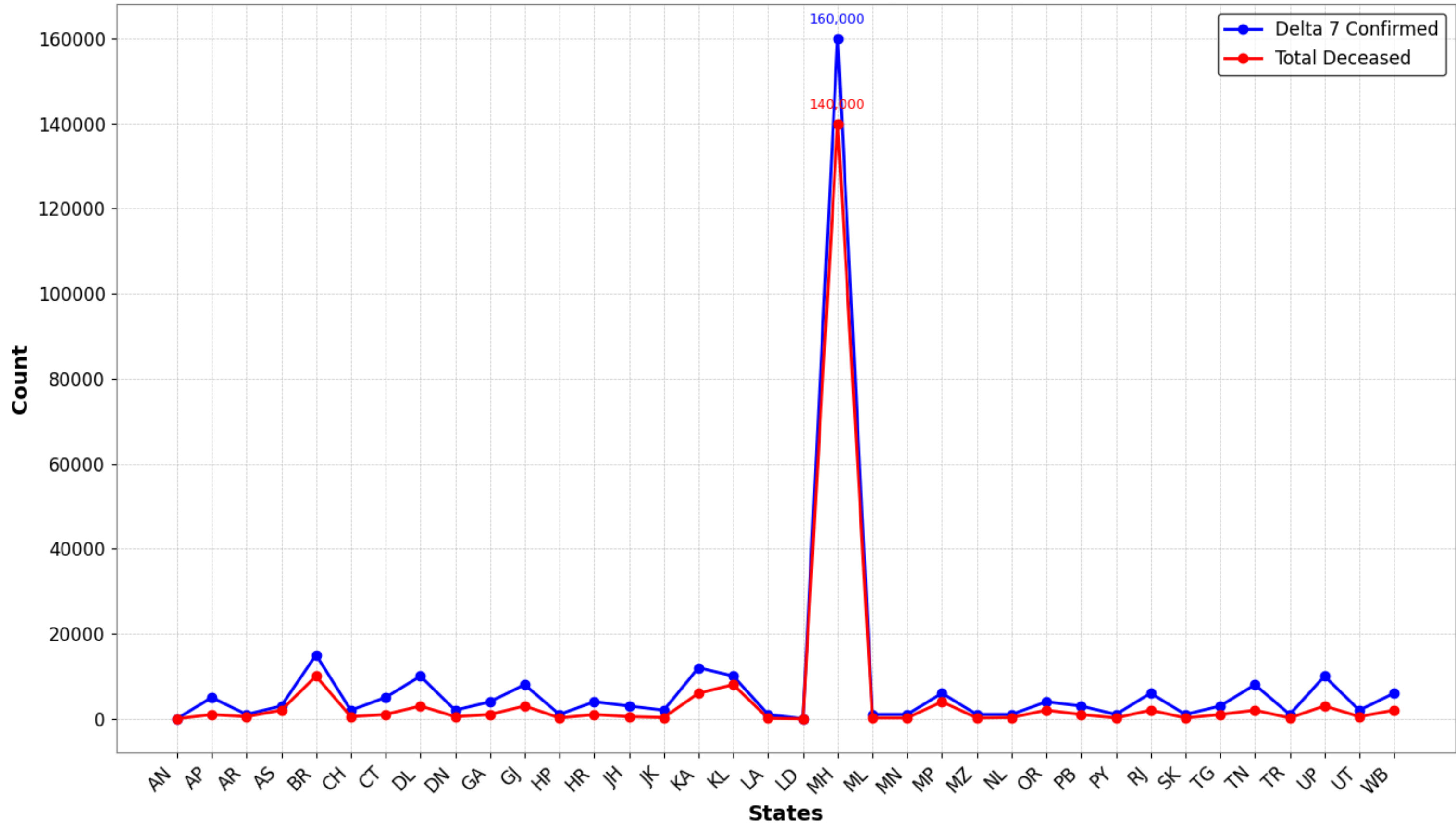
- **Got Covid 19 India Data from covid19india.org**
- **Made structured data-frame out of the data in python.**
- **Imported the data in CSV format and analysed it to gain insights from it.**
- **Made a visualized dashboard on Excel using the output output data from SQL**

KPI

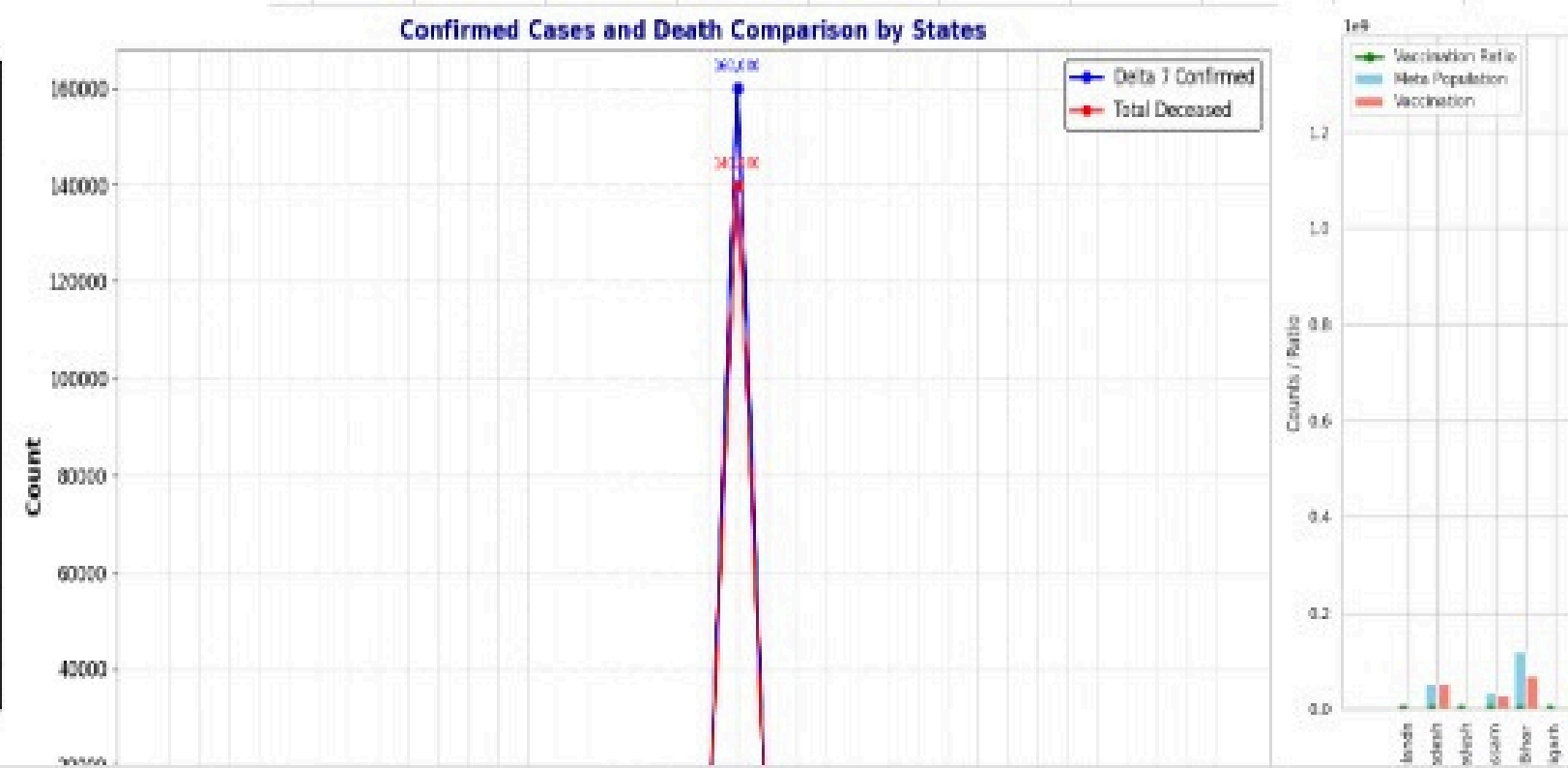
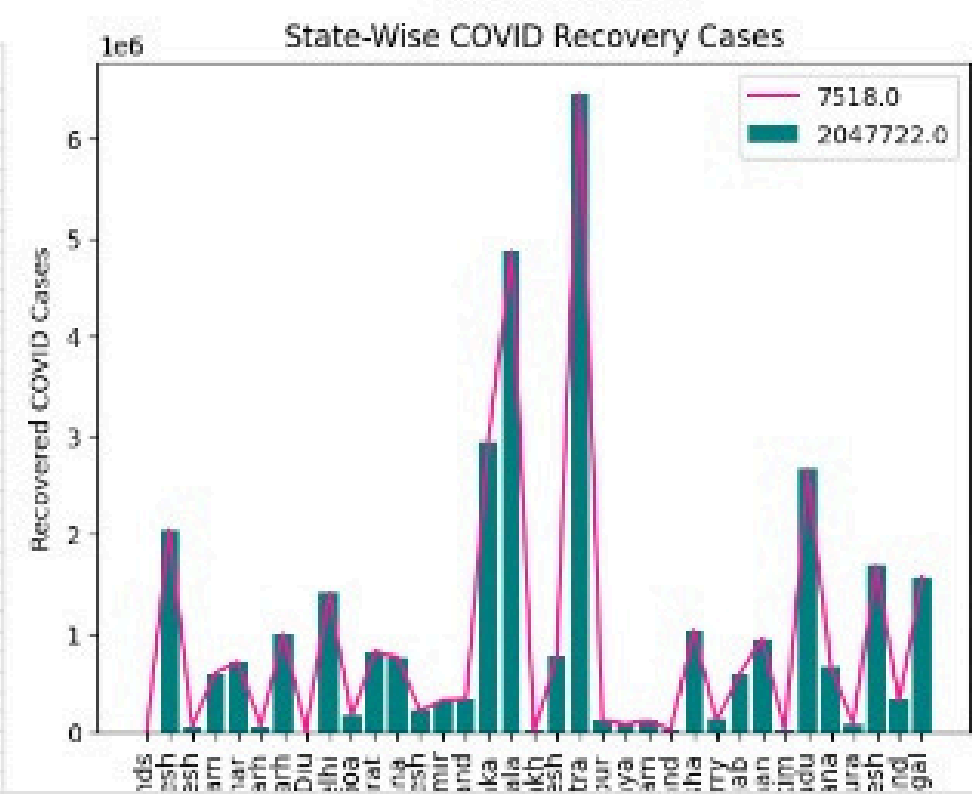
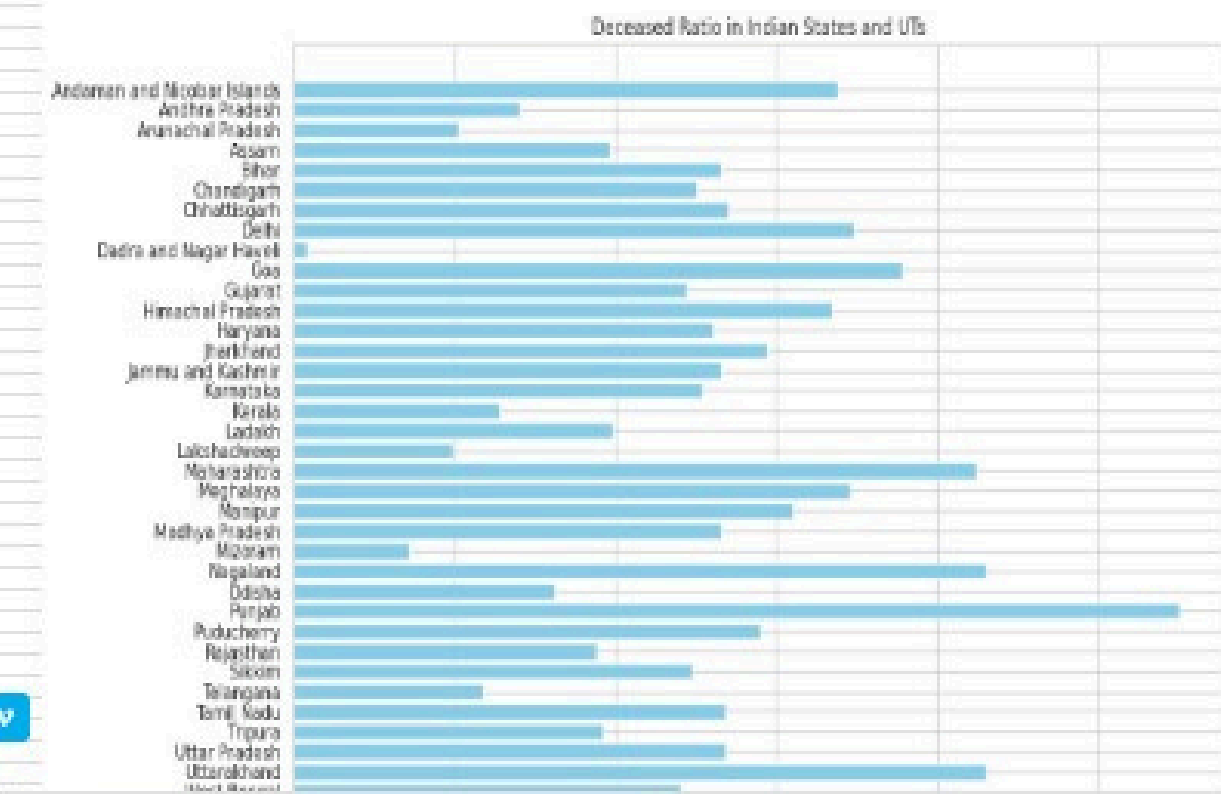
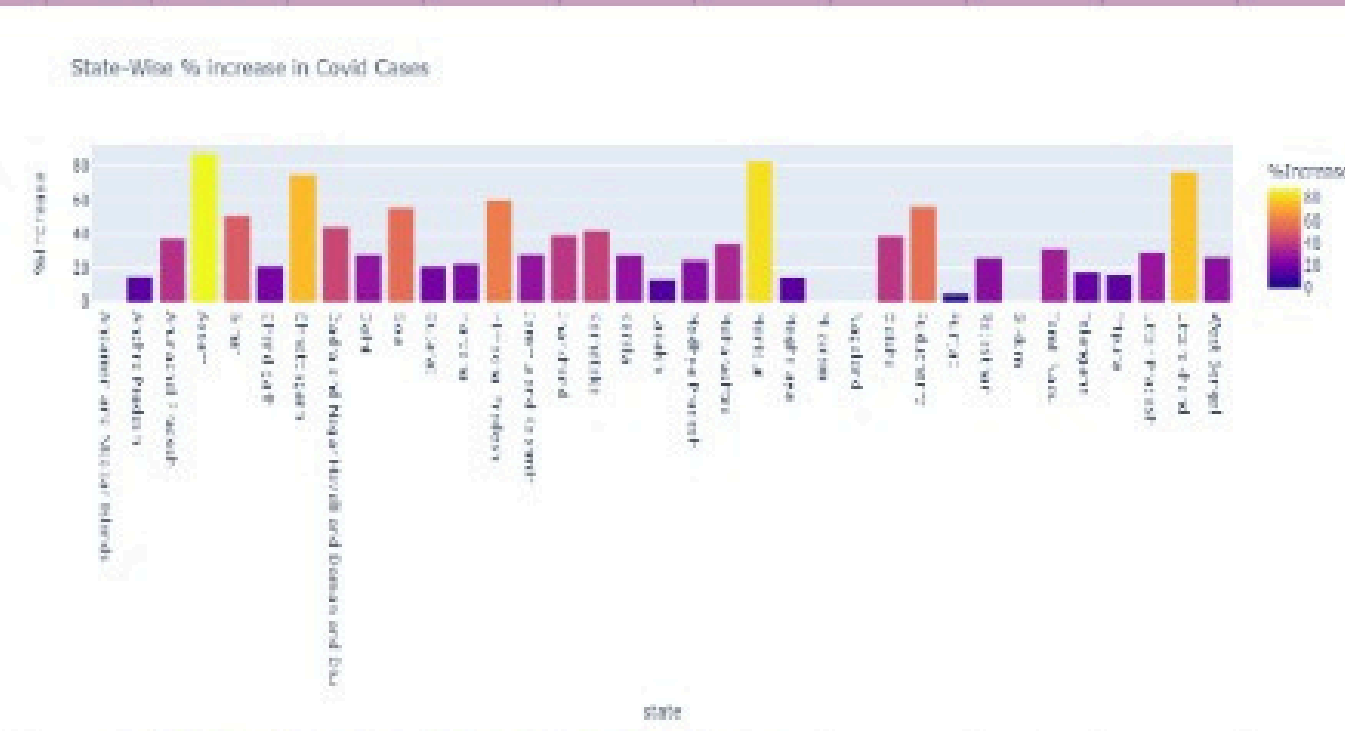
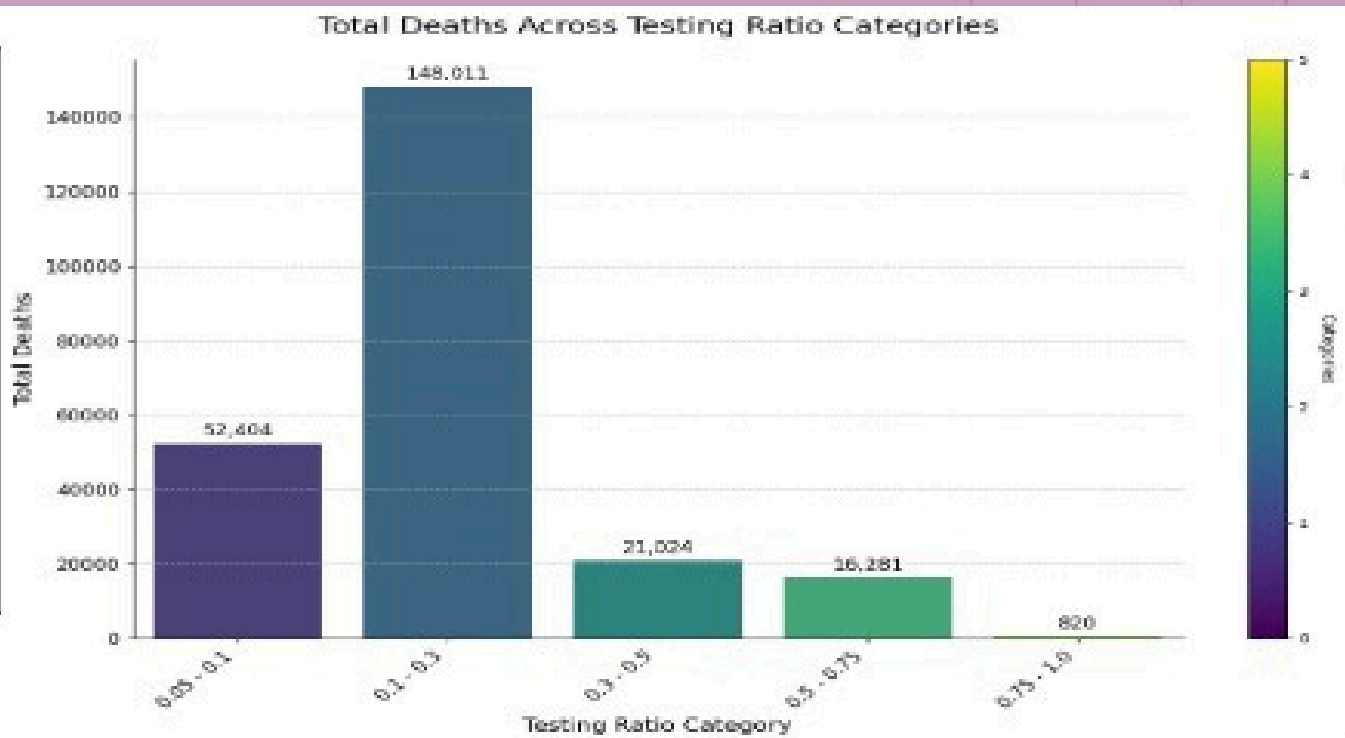
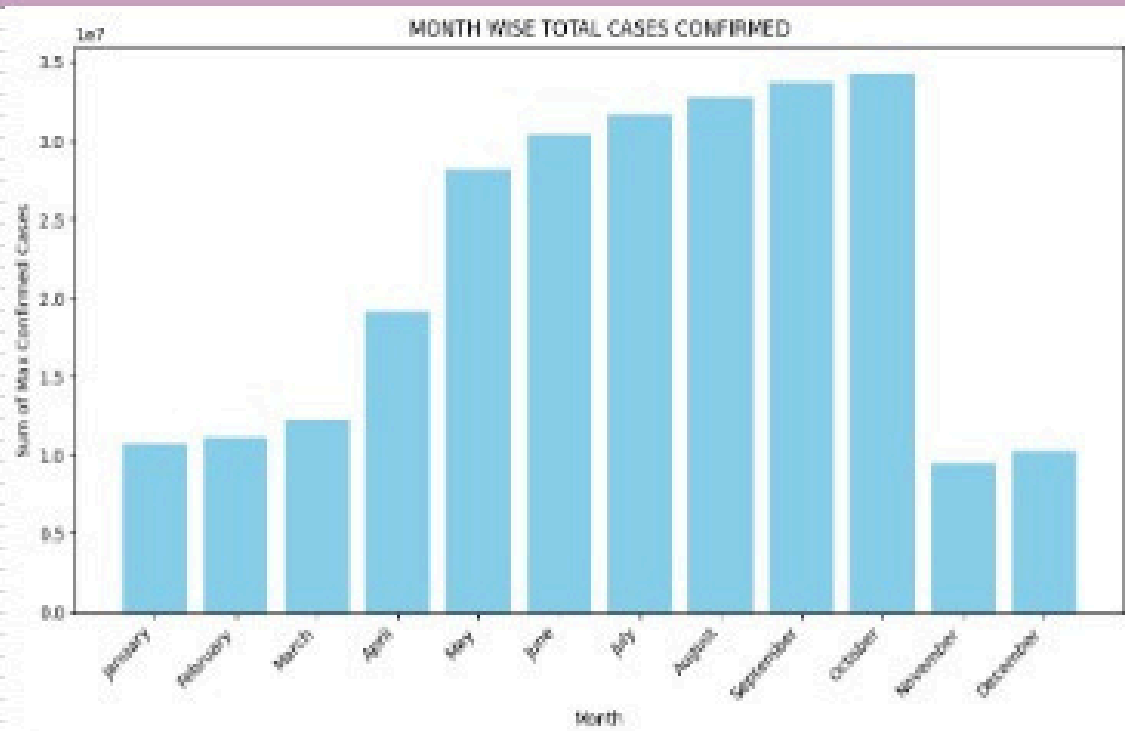


KPI

Confirmed Cases and Death Comparison by States



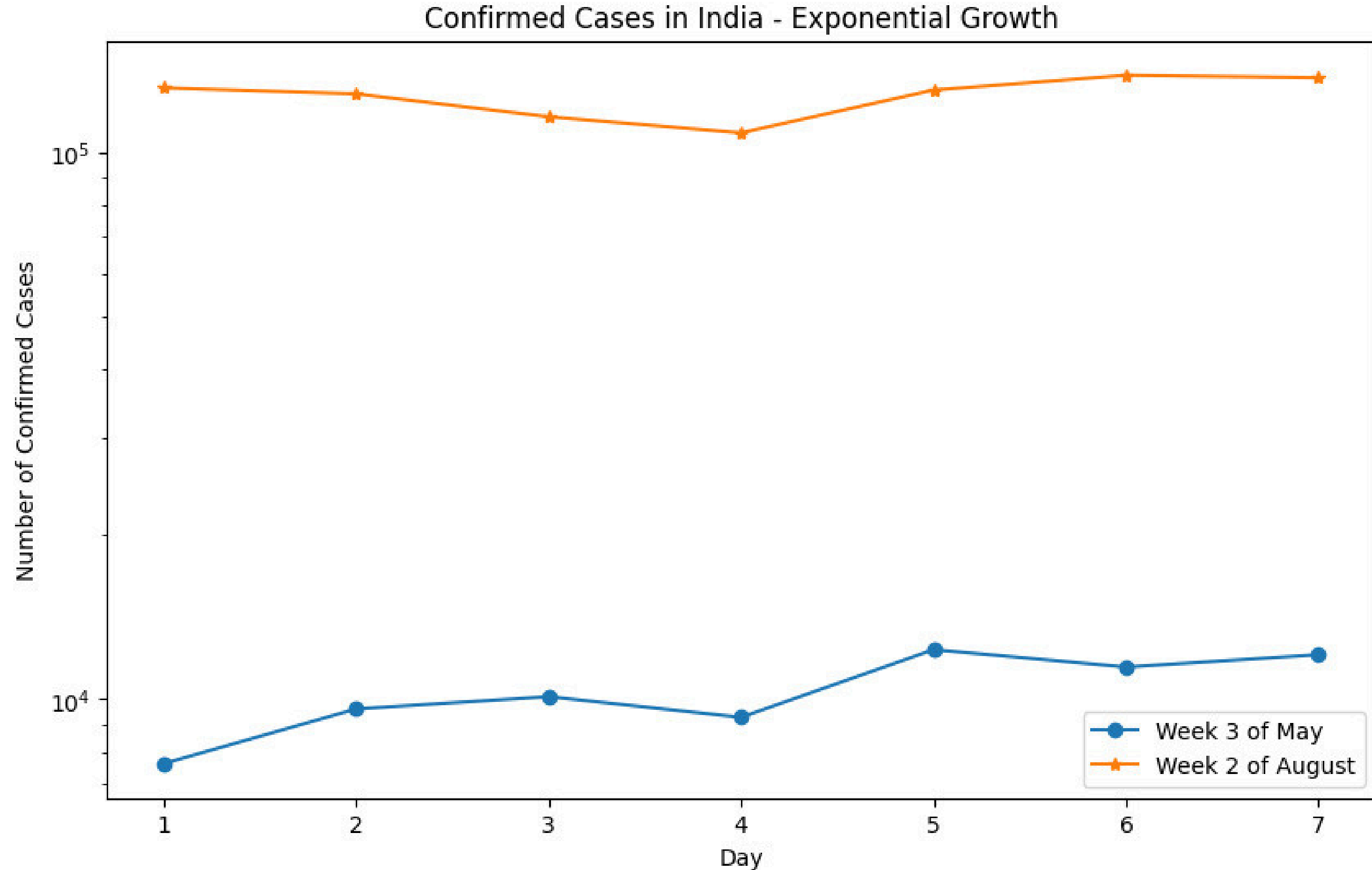
COVID-19 Dashboard



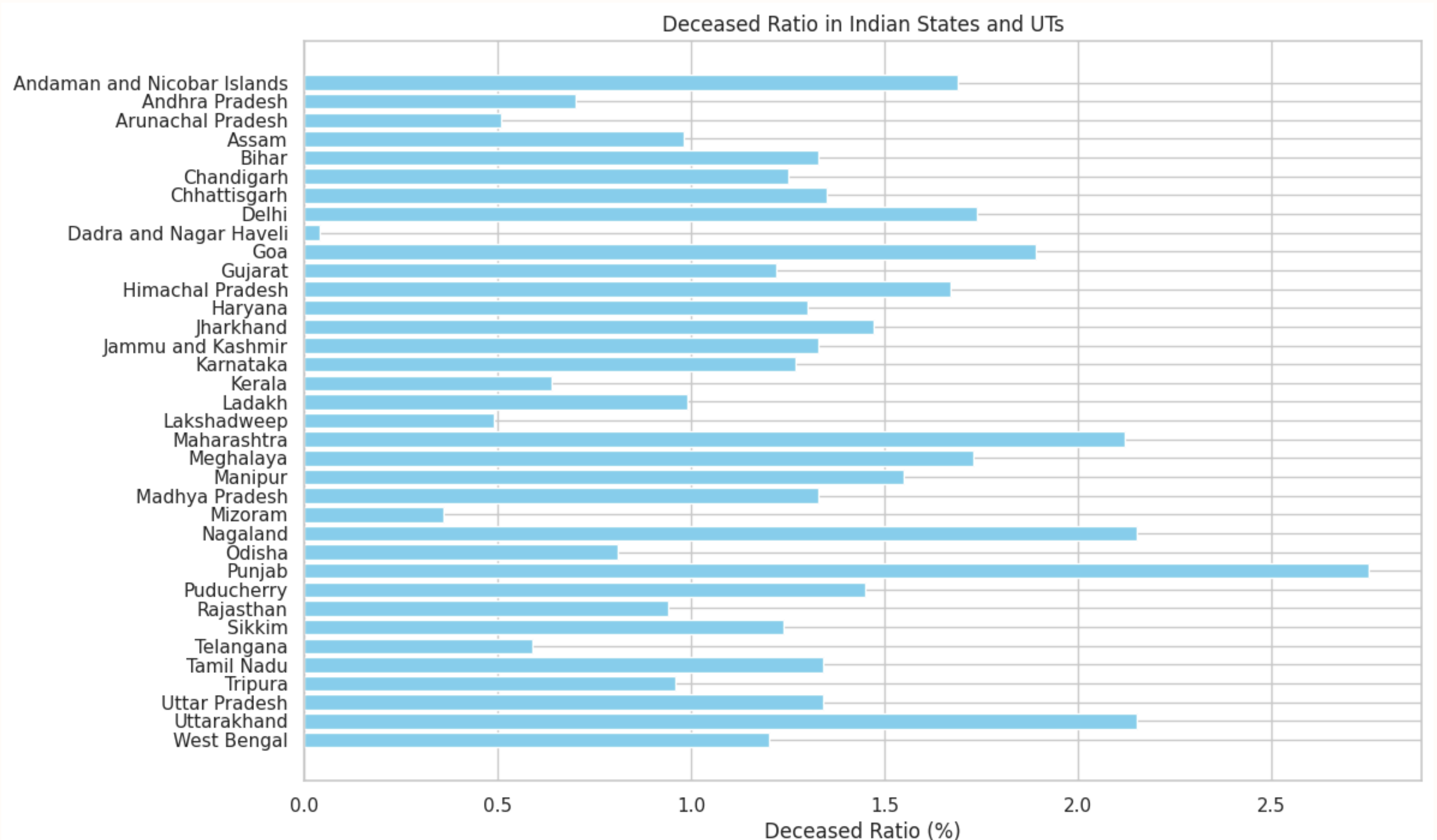
Insights

- The number of deaths was inversely proportional to number of tests done.
- Covid-19 was more volatile and dreadful in Metropolitan Cities as compared to tier II/ III cities.
- The Deceased Ratio is maximum in Punjab and minimum in Dadra & Nagar Haveli.
- The states with more vaccination stats have more recovered cases and comparatively less deceased cases.
- States which are vaccinated and less has population density have less confirmed cases also death rate is minimum.

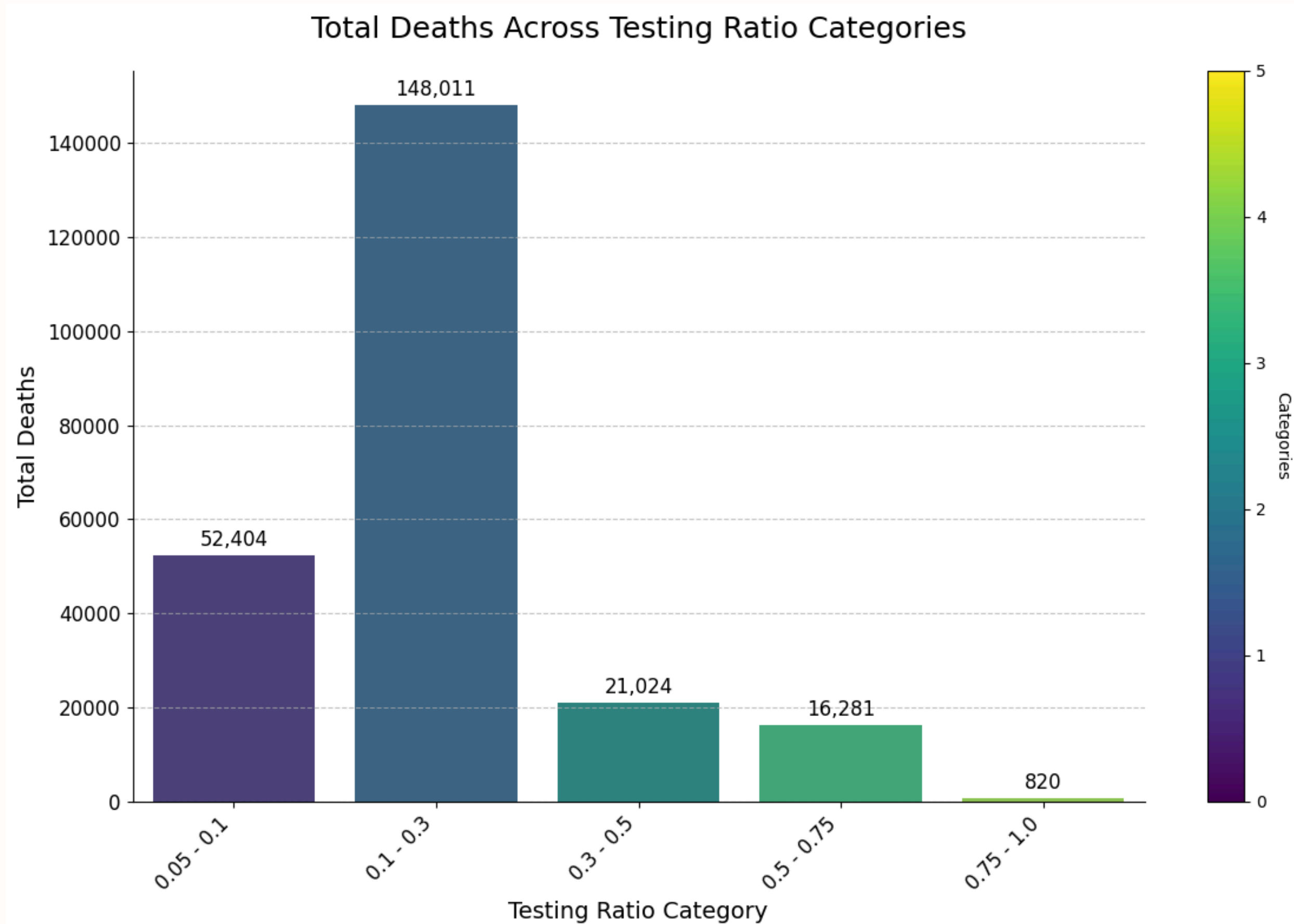
Compare Week 3 of May with Week 2 of August



The Deceased Ratio is maximum in Punjab and minimum in Dadra & Nagar Haveli.



Analysis of several deaths across all categories



Challenges

- Arrange and set a particular time for meet as some of us are working professionals and some are studying.
- The other issue was to make the data-frame out of nested dictionary from JSON data.
- Join all the data-frames which had such vivid structures.
- Another issue was to share the data files according to the structure of the data.



Joining every data-frames to make a database.

- No Challenge was so big that we cannot overcome it by Team Efforts.

Learnings

- **To Communicate ideas in a way which are understood and mutually altered by the each other.**
- **How to divide multiple tasks amongst each other and have them done with the help of each other.**
- **How Team Work helps in solving problems which look difficult at the beginning.**
- **Learnt to push our learning limits and for that the web is the biggest boon.**
- **The one who try never fails.**



THANK YOU

We are Open to answer your Questions