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<b>BRANCH:</b>	B.E CSE-DS
<b>BATCH:</b>	D
<b>SUBJECT</b>	Advanced Data Visualization
<b>EXPERIMENT No.</b>	3

**AIM:** Design Interactive Dashboards and Storytelling using Tableau / Power BI / R (Shiny) / Python (Streamlit/Flask) / D3.js to be performed on the dataset - Disease spread / Healthcare

- Create interactive dashboard - Write observations from each chart given below
- (Advanced - Word chart, Box and whisker plot, Violin plot, Regression plot (linear and nonlinear), 3D chart, Jitter, Line, Area, Waterfall, Donut, Treemap, Funnel
- Basic - Bar chart, Pie chart, Histogram, Timeline chart, Scatter plot, Bubble plot)

### **DATASET:**

This dataset contains latest Covid-19 India state-wise data as on **September 12, 2023**. This dataset can be used to analyze covid in India.

This dataset is great for **Exploratory Data Analysis**

### **Attribute Information**

1. **State/UTs** - Names of Indian States and Union Territories.
2. **Total Cases** - Total number of confirmed cases
3. **Active** - Total number of active cases
4. **Discharged** - Total number of discharged cases
5. **Deaths** - Total number of deaths
6. **Active Ratio (%)** - Ratio of number of active cases to total cases
7. **Discharge Ratio (%)** - Ratio of number of discharged cases to total cases
8. **Death Ratio (%)** - Ratio of number of deaths to total cases
9. **Population** - Population of State/UT

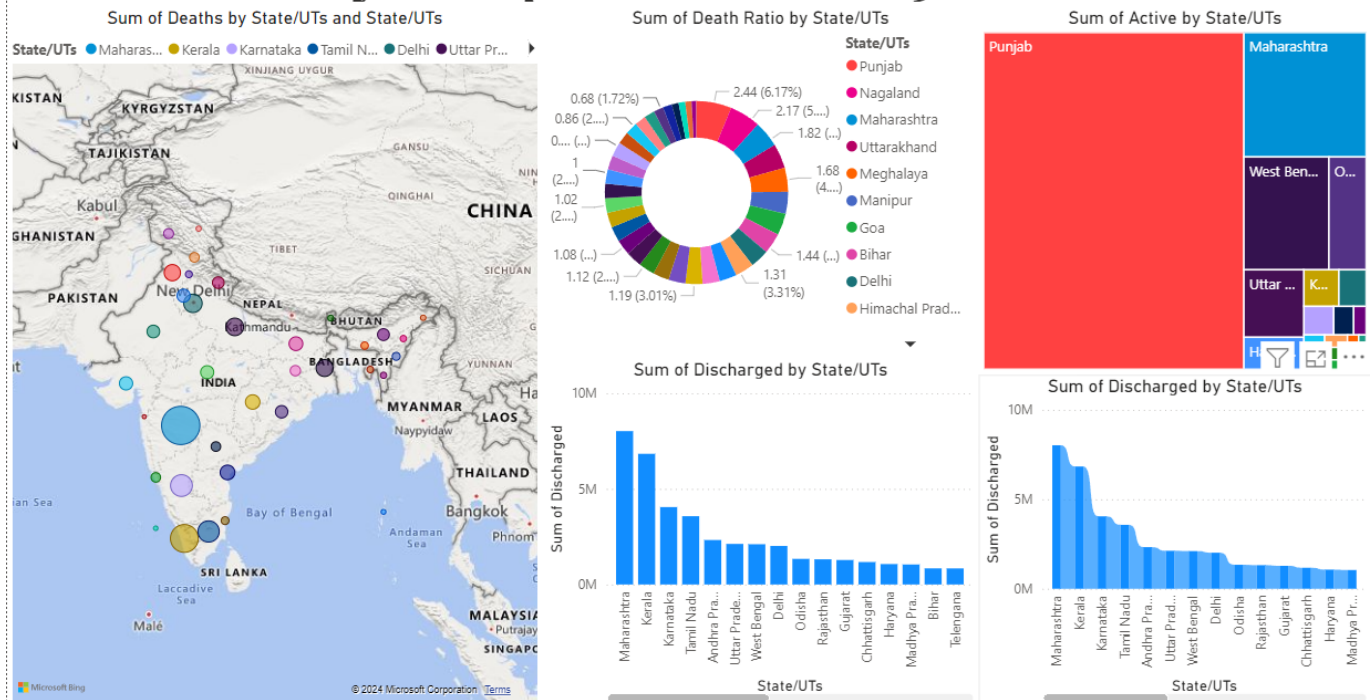
### **Source**

Covid Data : <https://www.mygov.in/covid-19>

Population Data : <https://www.indiacensus.net/>

### **Analysis:**

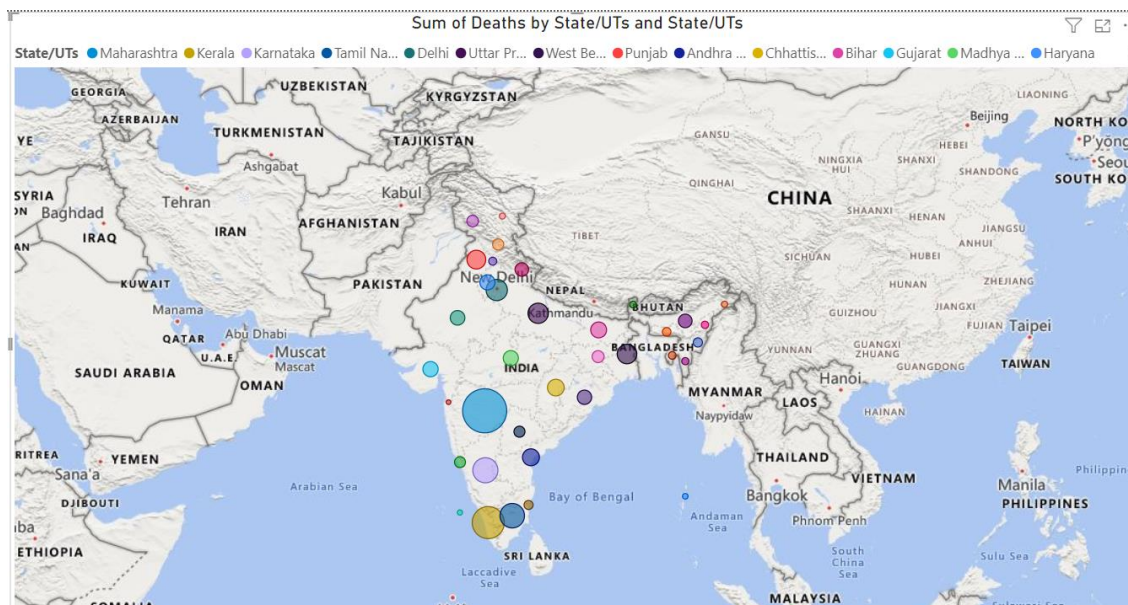
# Analysis report of Covid-19 in India



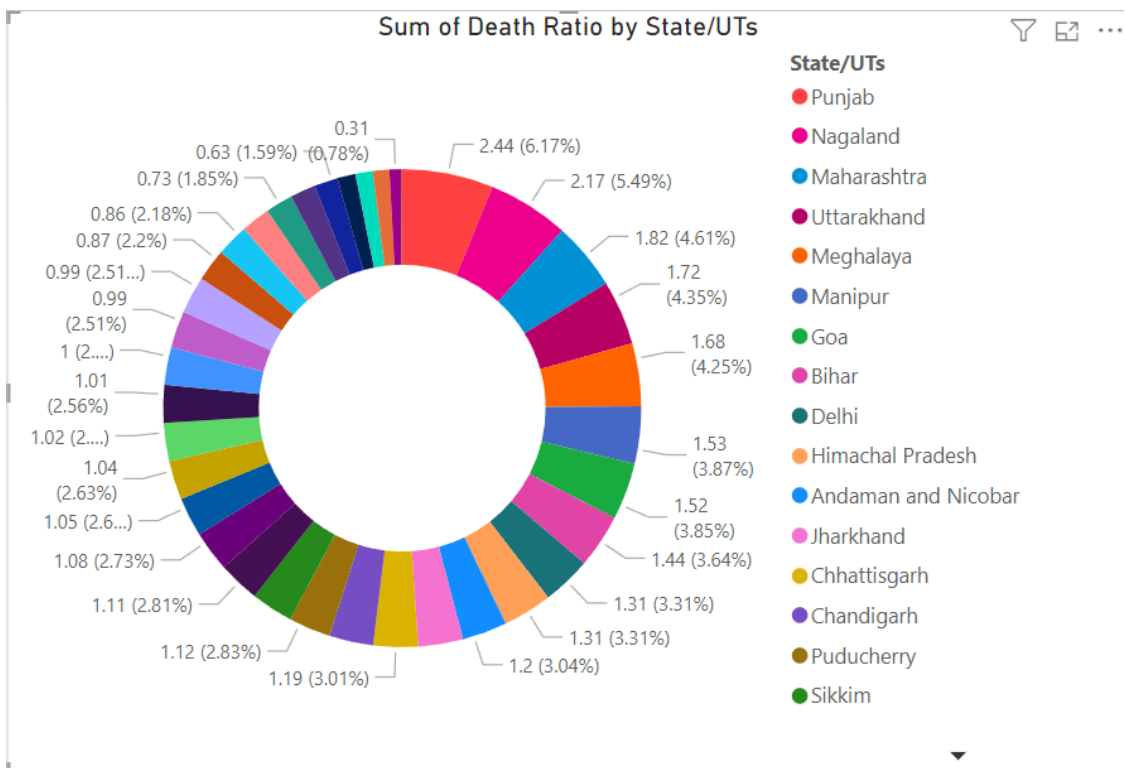
The above dashboard gives the report of the covid-19 in India, where different charts were used to create and give visual idea of how many deaths and active cases are there across the country.

## Charts used:

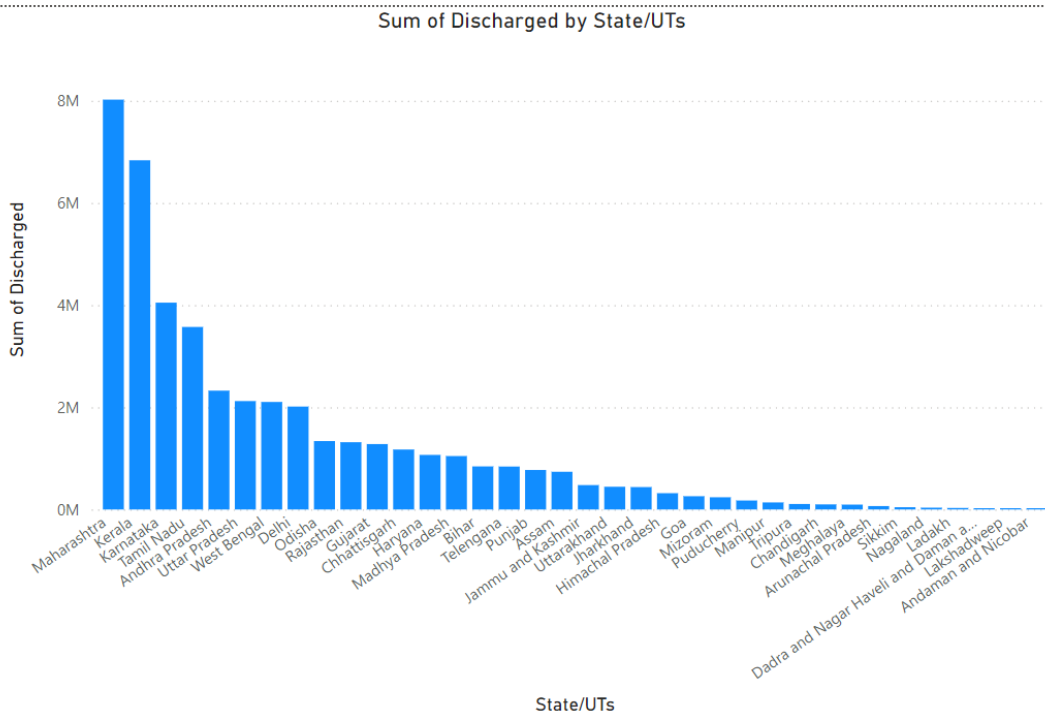
Map



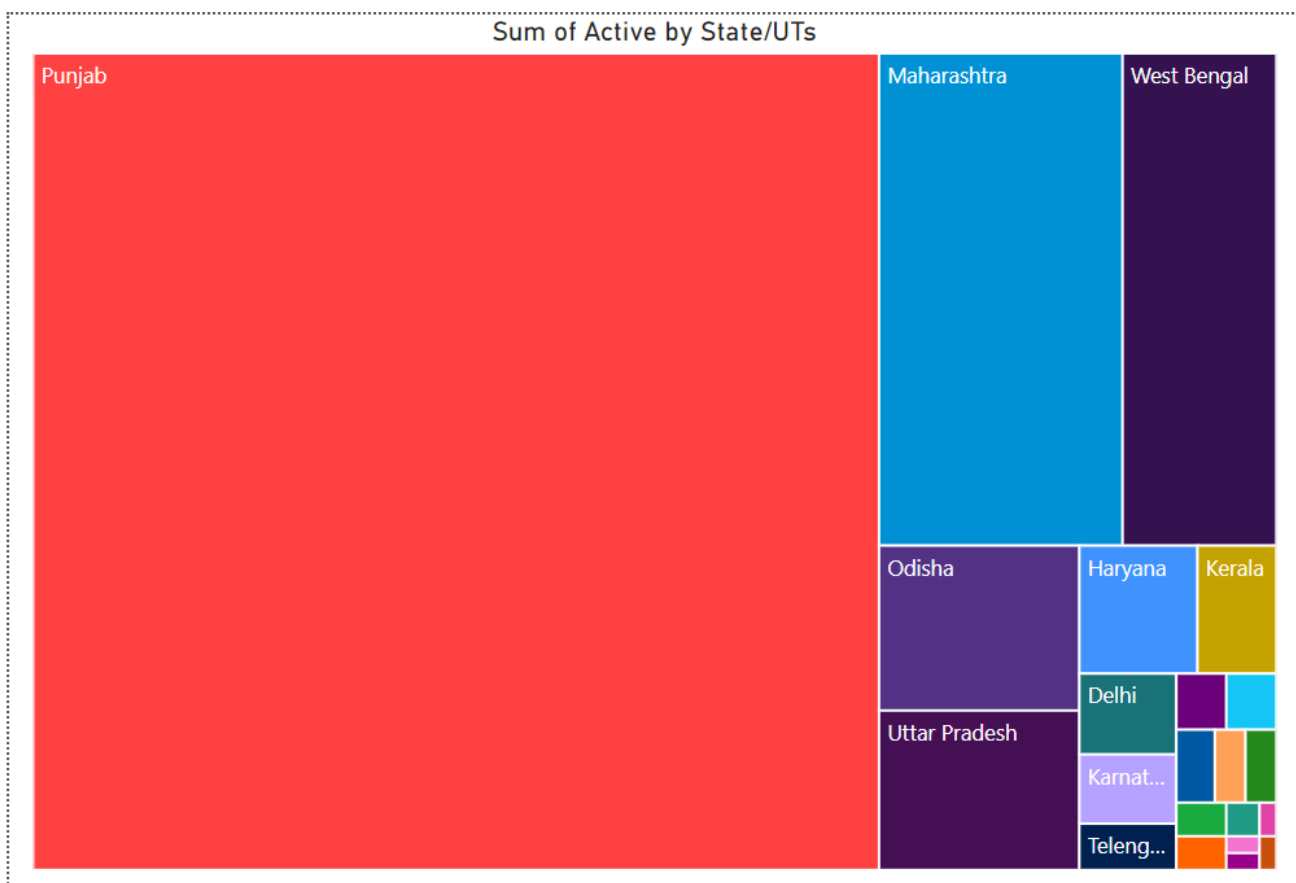
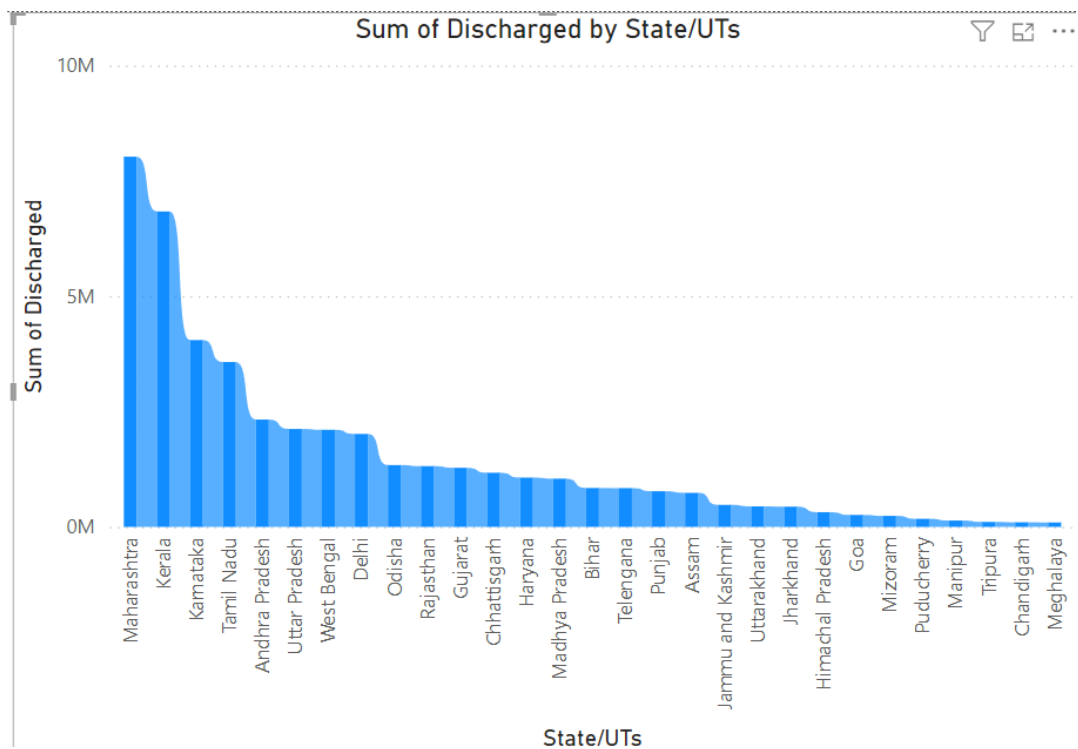
Gives the details of deaths across the country and bubble indicates the intensity that bigger bubble means more death in that region.

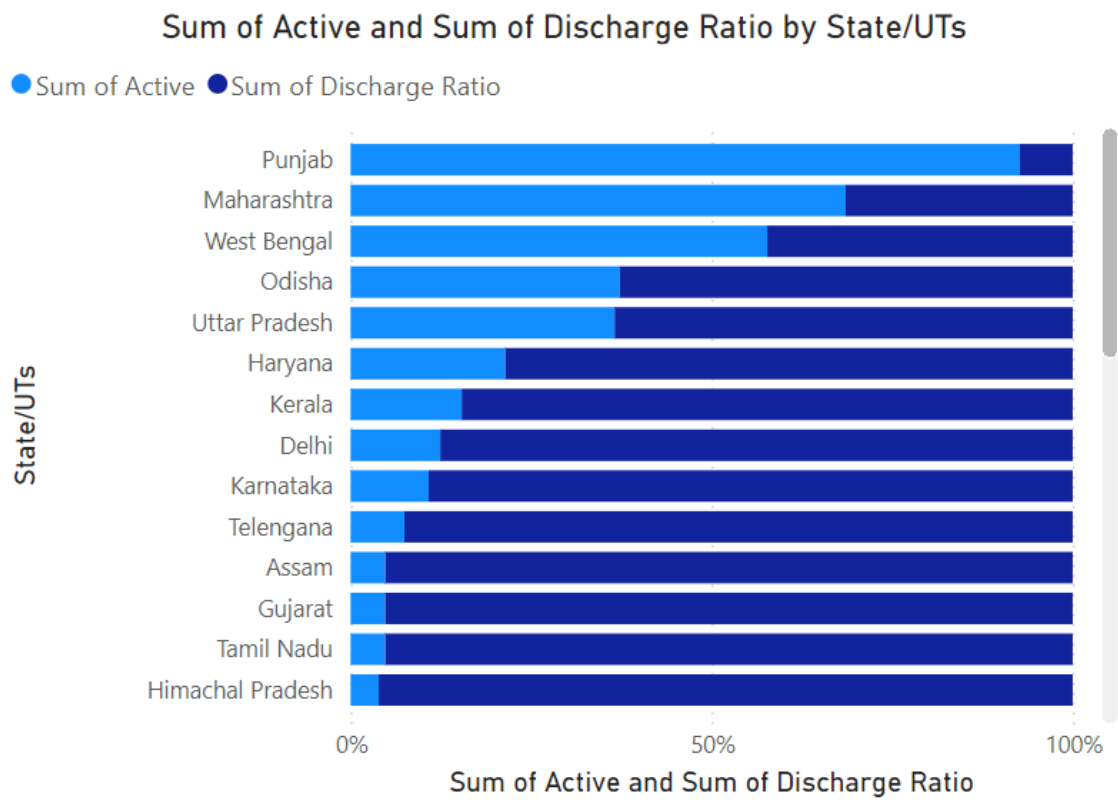


Gives the information about the death ratio across the country and helps to analyze the highest death ratio state.



Gives the detail about the no of the discharges patients across the country.





**Conclusion:** Successfully plotted all the charts and made dashboard report about the Covid-19 dataset specifically for India.