**Covid INDIA analysis**

**(From 30 Jan 2020 to 26 June 2021)**

**Datasets used:**

**Live data sets are taken from -**

[**https://api.covid19india.org/**](https://api.covid19india.org/)

1. **States:**<https://api.covid19india.org/csv/latest/states.csv>
2. **case\_time\_series:**<https://api.covid19india.org/csv/latest/case_time_series.csv>
3. **cowin\_vaccine\_data\_statewise:** <http://api.covid19india.org/csv/latest/cowin_vaccine_data_statewise.csv>
4. **state-wise-aadhaar-saturation:**

<https://uidai.gov.in/images/state-wise-aadhaar-saturation.pdf>

**Calculated fields:**

**Active cases column has been created using the formula:**

MAX([Confirmed])-(MAX([Recovered])+MAX([Deceased]))

**%Active:**

((MAX([Confirmed])-(MAX([Recovered])+MAX([Deceased])))/MAX([Confirmed]))\*100

**%Recovered:**

(MAX([Recovered])/MAX([Confirmed]))\*100

**%Deceased:**

(MAX([Deceased])/MAX([Confirmed]))\*100

**Active to Recovered ratio:**

[Active]/MAX([Recovered])

**Recovered to Deceased ratio:**

MAX([Recovered])/MAX([Deceased])

**Date range:**

[Date] >= [Start date] AND [Date] <= [End date]

Parameters created: Last N days, Start date, End date, Top N states.

**Story**

**India:**

1. **Covid cases in numbers:**

This dashboard just shows the number of cases confirmed, active, recovered, deceased along with new cases.

1. **%Recovered:**

This dashboard shows percentage of confirmed cases which are recovered. If we take a look as of 26th June 2021, we see most of the states have above 90% recovery and we also note north eastern states have less recovery compared to other states.

1. **%Active:**

This dashboard shows percentage of confirmed cases which are still active. If we take a look as of 26th June 2021, we see that central and west states have less than 5% cases active, south and north states have above 10% cases active, also we see 3 eastern states have above 20% active cases.

1. **%Deceased:**

This dashboard shows percentage of deceased cases. As of 26th June 2021, we see that most states have around 1% death, Punjab has the highest percentage of deaths -2.5% of confirmed cases in Punjab have resulted in death.

**e) Active to Recovered ratio:**

This dashboard has Active to recovered ratio for each state. The lesser the ratio better the performance of the state.

**f) Recovered to death ratio:**

This dashboard has recovered to death ratio. The greater the value better the performance of the state.

**STATES:**

1. **All measures state wise:**

This dashboard contains all measures like confirmed, active, recovered, deceased in bar charts plus it has a word cloud of states arranged by confirmed cases. (Higher the confirmed cases larger the size of the state)

1. **% Active, %Deceased, %Recovered:**

This dashboard contains percentage of active, deceased, recovered cases in bar charts with a state filter.

1. **State vs Date:**

This dashboard contains trends of percentage active, percentage recovered, percentage deceased with a filter of state and start date and end date to choose from.

**VACCINATION:**

1. **Total dose:**

This dashboard contains total dose administered across all states. This includes the first and second dose.

1. **Total individuals:**

This dashboard contains total individuals vaccinated across all states.

1. **Who are getting vaccinated? male or female:**

This dashboard contains bar chart of number of males and females vaccinated in each state.

1. **State wise bar:**

This dashboard has bar chart of first dose, second dose, total dose, total individuals, male, female for each state.

Both c and d have a word cloud of states arranged by total dose (meaning state with highest total dose has the largest size).

1. **population vaccinated:**

This dashboard shows percentage of state population vaccinated.

Thank you.