

Data Visualization Using Tableau

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1)Show the records of cases currently active that the user wishes to see the reports of a particular region.

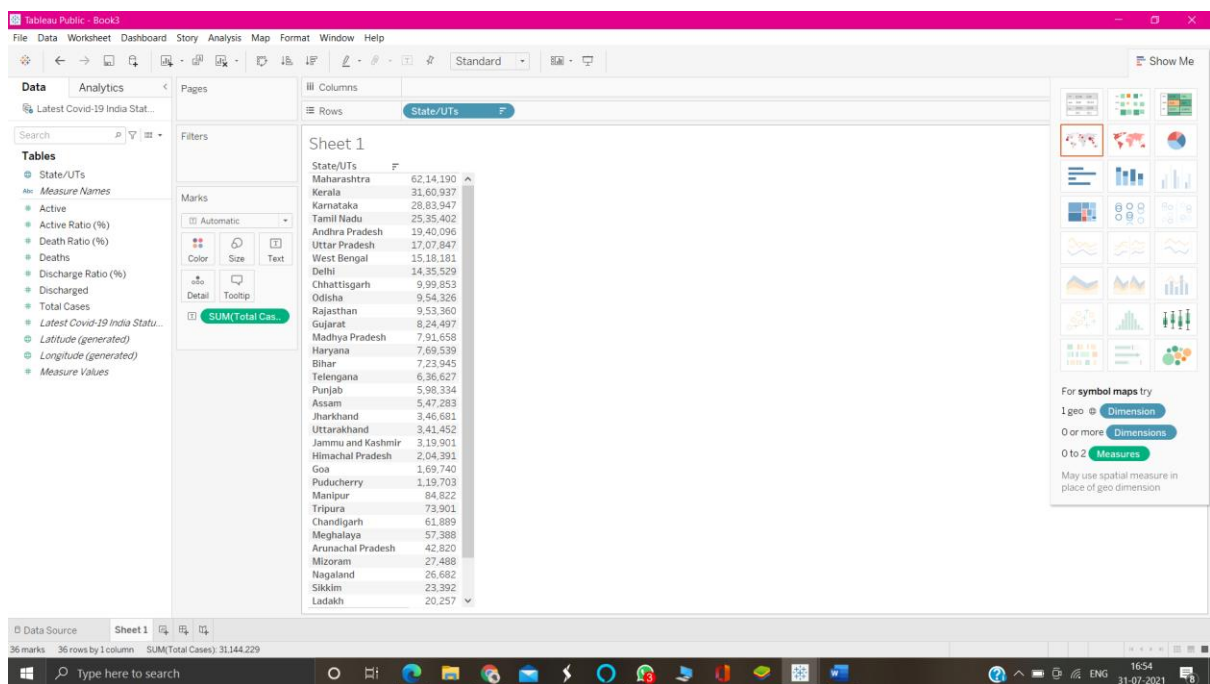
Aim:

To Show the records of cases currently active that the user wishes to see the reports of a particular region.

Steps:

- Import the data set
- Drag and Drop the “Total cases” field in Columns and “State/UTs” field in rows respectively.
- Then to make the visualization more convenient,choose the text option in “show me”shelf and sort it.

Screenshots:



The records of cases currently active states have been listed and the user can able to see the reports of a particular region successfully.

2) Analyse and Conclude whether the covid pandemic will come to an end in every state by accessing active and discharge cases.

Aim:

To Analyse and Conclude whether the covid pandemic will come to an end in every state by accessing active and discharge cases.

Steps:

- Drag and Drop “Active”, “Discharged”, “Total cases” in rows and “State/UTs” in columns
- Create a calculated field to analyse the result and name it as “end or not”
- And type:

IF [Active Ratio (%)] > [Discharge Ratio (%)]

THEN 'difficult to come to end'

ELSE 'possible'

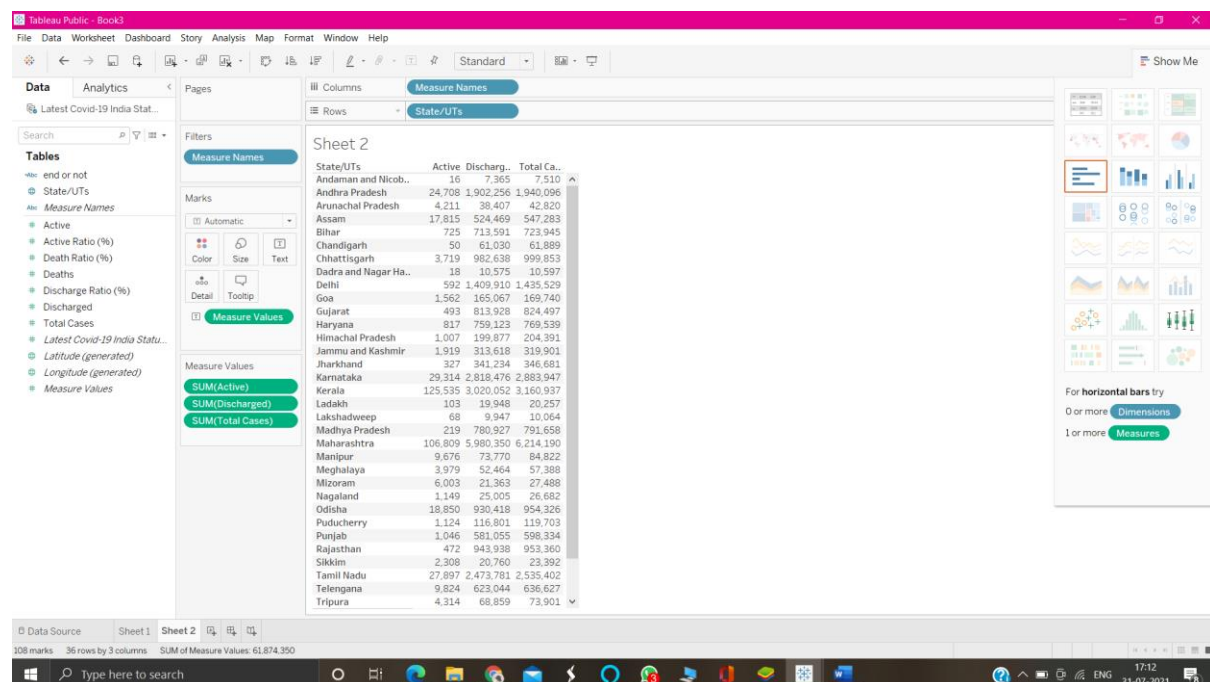
END

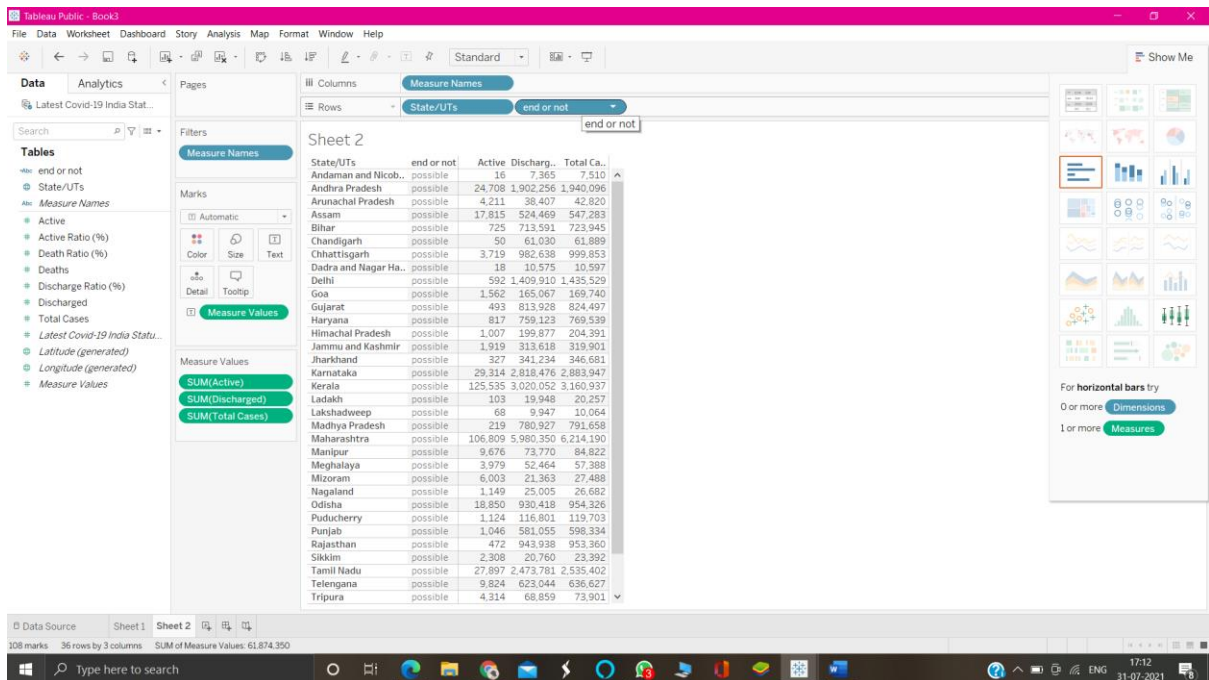
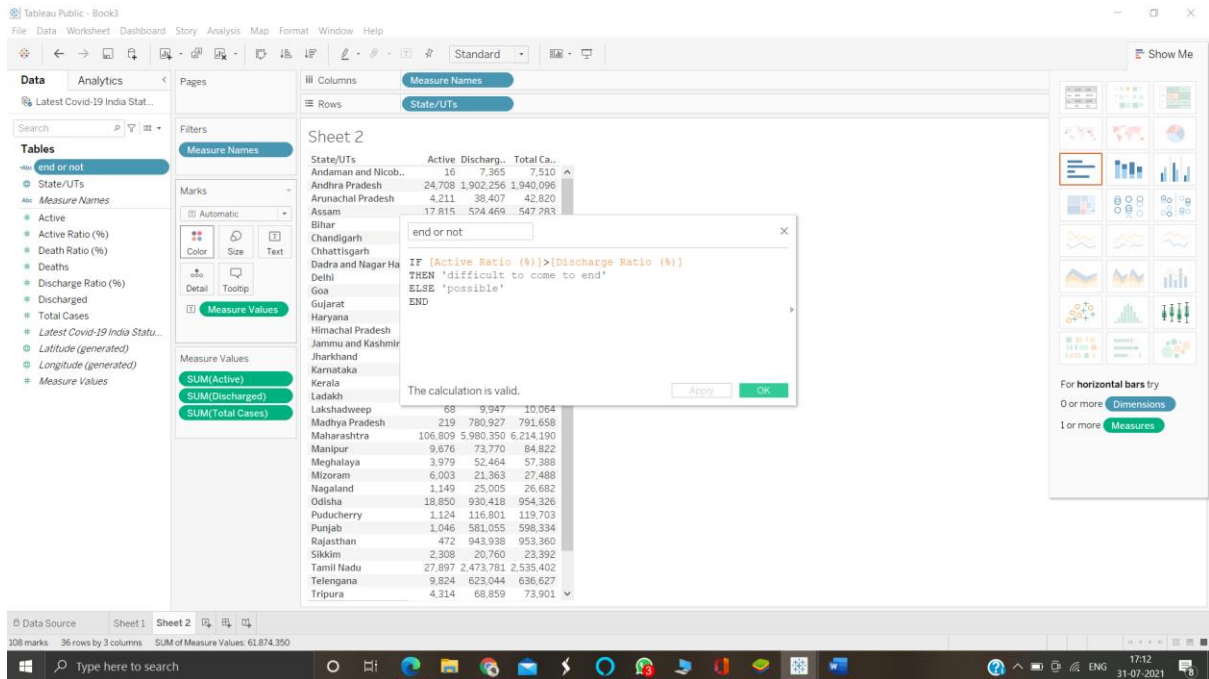
Here, Difficult to come to end states that-impossible to get rid of covid-19

And possible states that-possibility to get rid of that.

- Drag and drop “end or not” to Rows and make everything to text for better Understanding.

Screenshots:





Observation:

In each state, the observation made based on the analysis results positively. That In each state ,among the total cases Active cases are less than the discharged cases. This shows that many cases are cured and discharged and states there is possibility to come to an END.

Conclusion:

With The analysis and observation made , the result was obtained Successfully.

3)List the total cases of the country recorded on the top ad compare with each state total cases by use of bar diagrams.

Aim:

To List the total cases of our country recorded on the top and compare with each state total cases by use of bar diagrams.

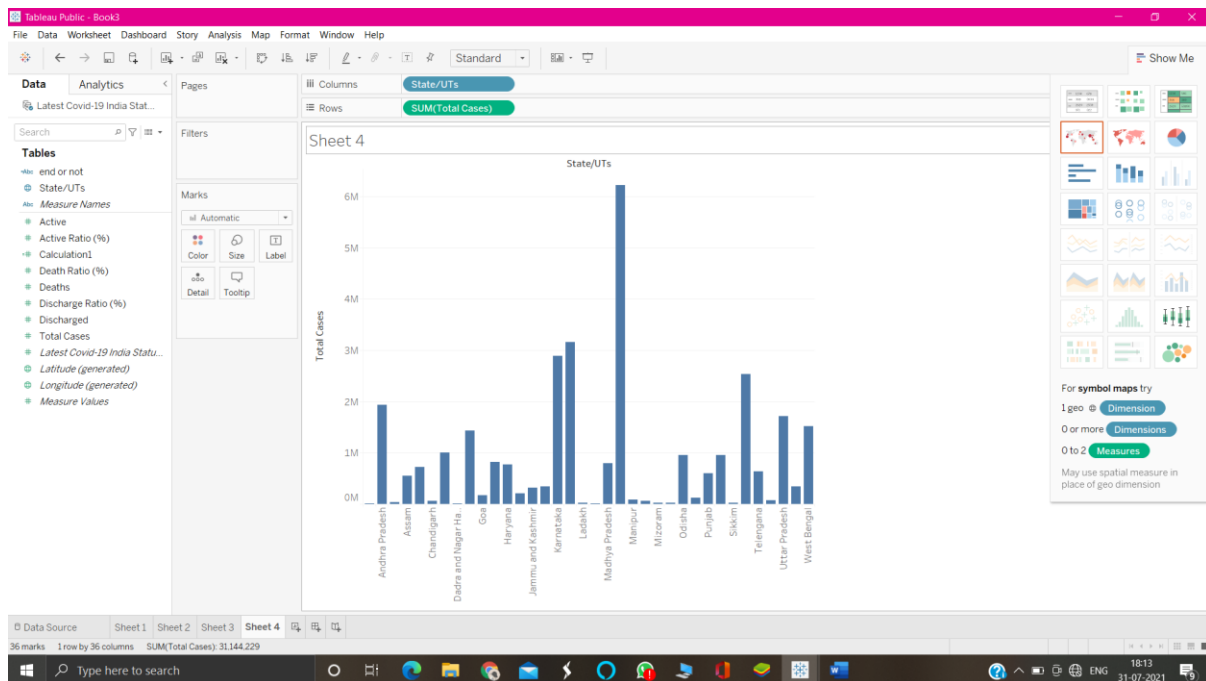
Steps:

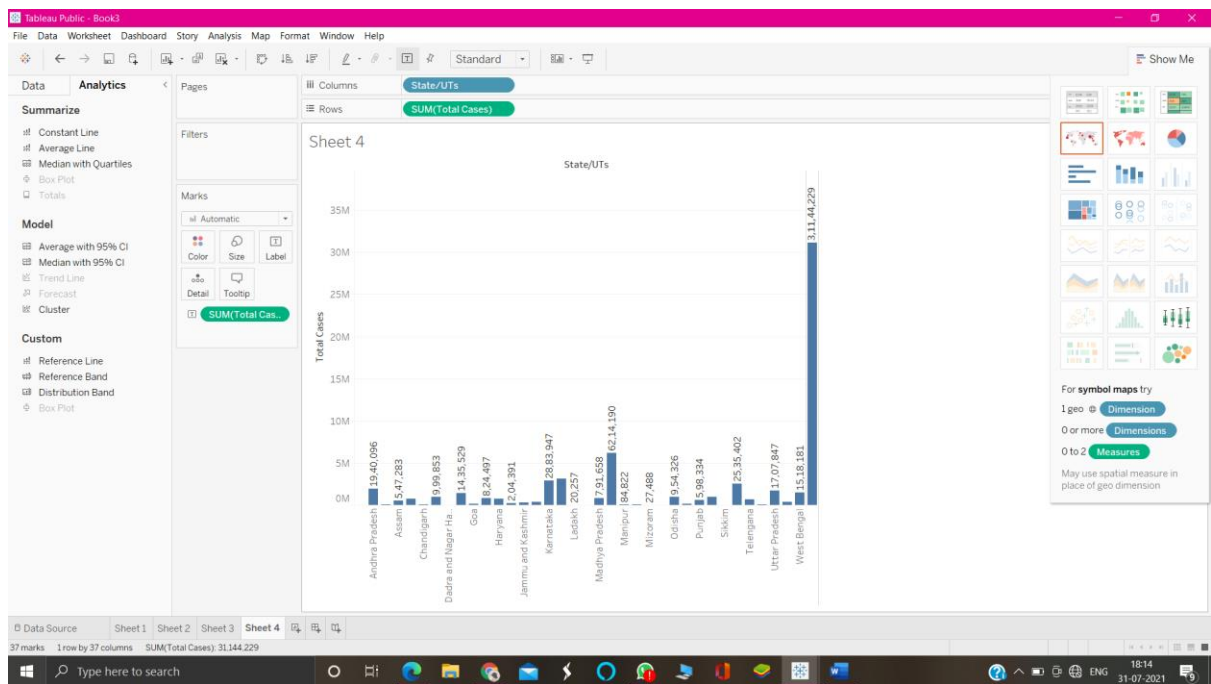
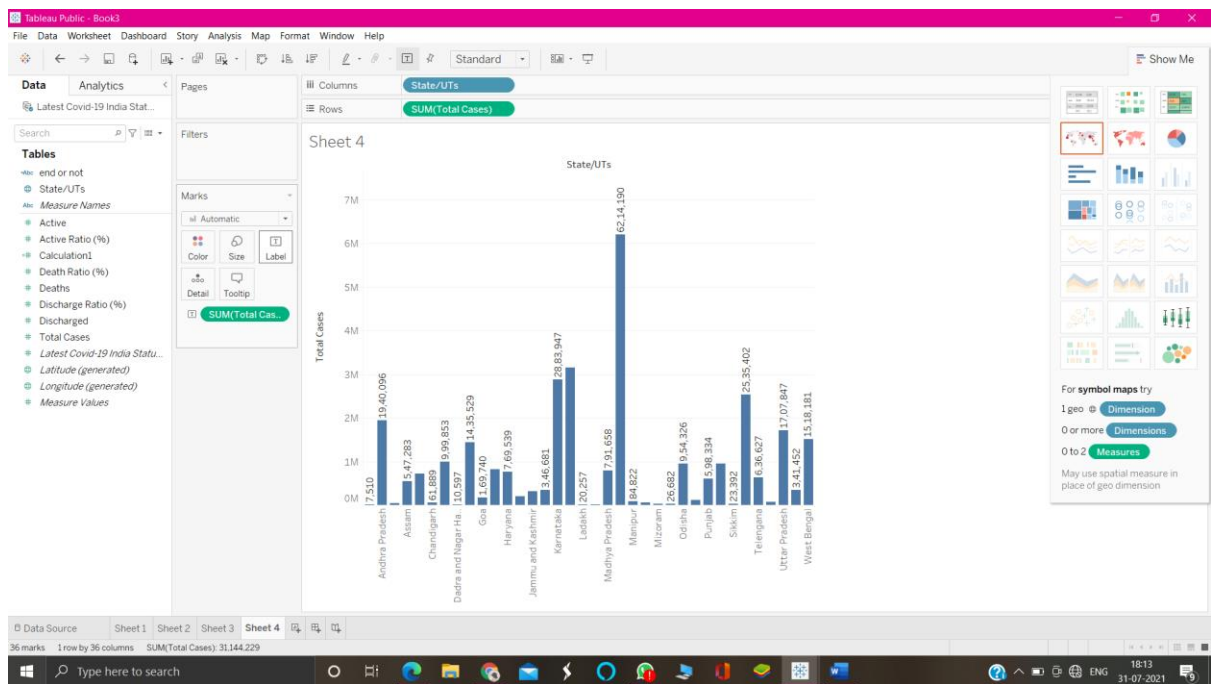
- Drag and Drop “State/UTs” in columns and “Total cases” in rows
- Drag and Drop Total cases in “text label” in Marks pane to get the total cases of the states in graph.
- To get the Grand total cases of our country, total cases of every state should be added

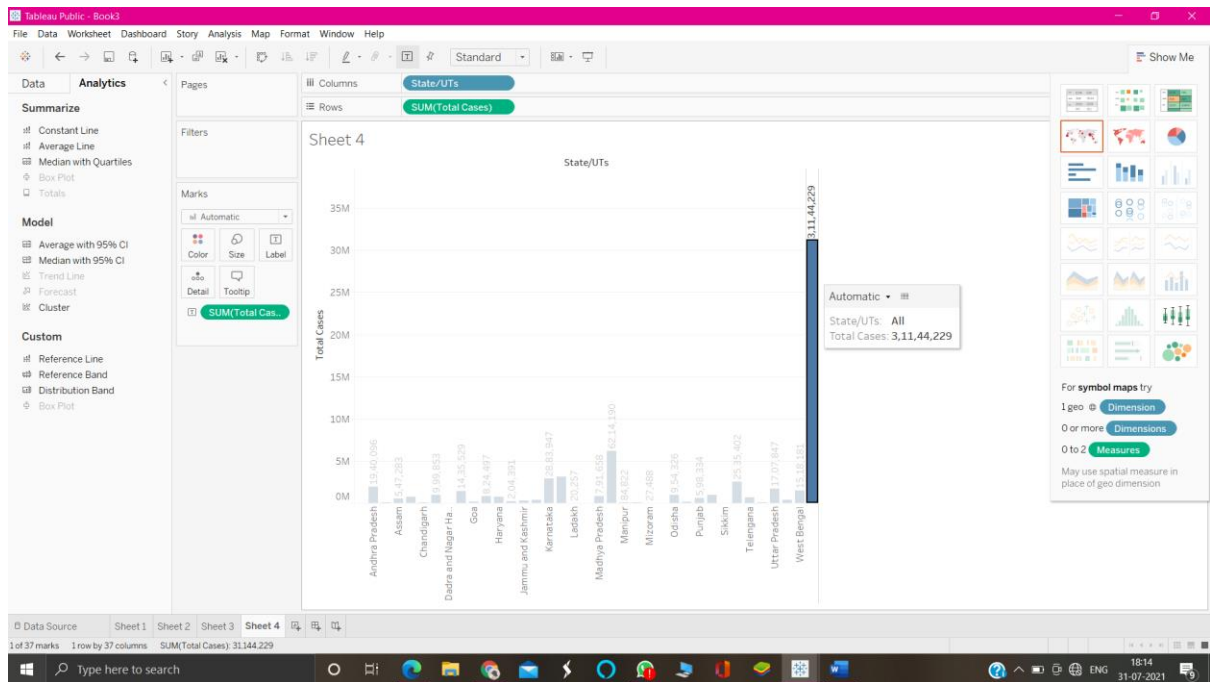
Analytics → Total, Drag and drop the total option to the worksheet and select row-Grand Total.

- Bar-Graph may obtain with the grand total, which shows the comparison of cases of every state.

Screenshots:







Observation:

Total cases of India=3,11,44,299

When comparing Maharashtra stands in First position with high cases which is one of the main reason for the increase of total cases of our country.

Conclusion:

With The analysis and observation made , the result was obtained Successfully.

4)Create a user Intractive dashboard that can show daily update of covid news on the date specified(Any date can be choosen from march 2020 to till now)

Aim:

To Create a user Intractive dashboard that can show daily update of covid news on the date specified

Steps:

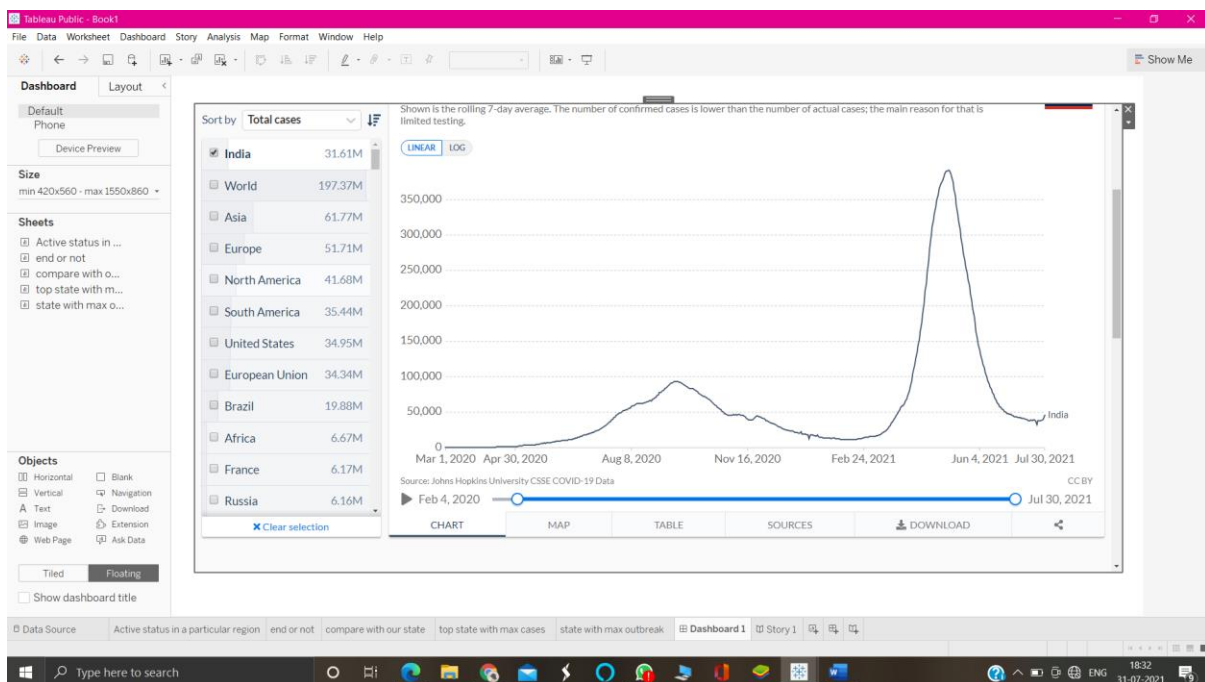
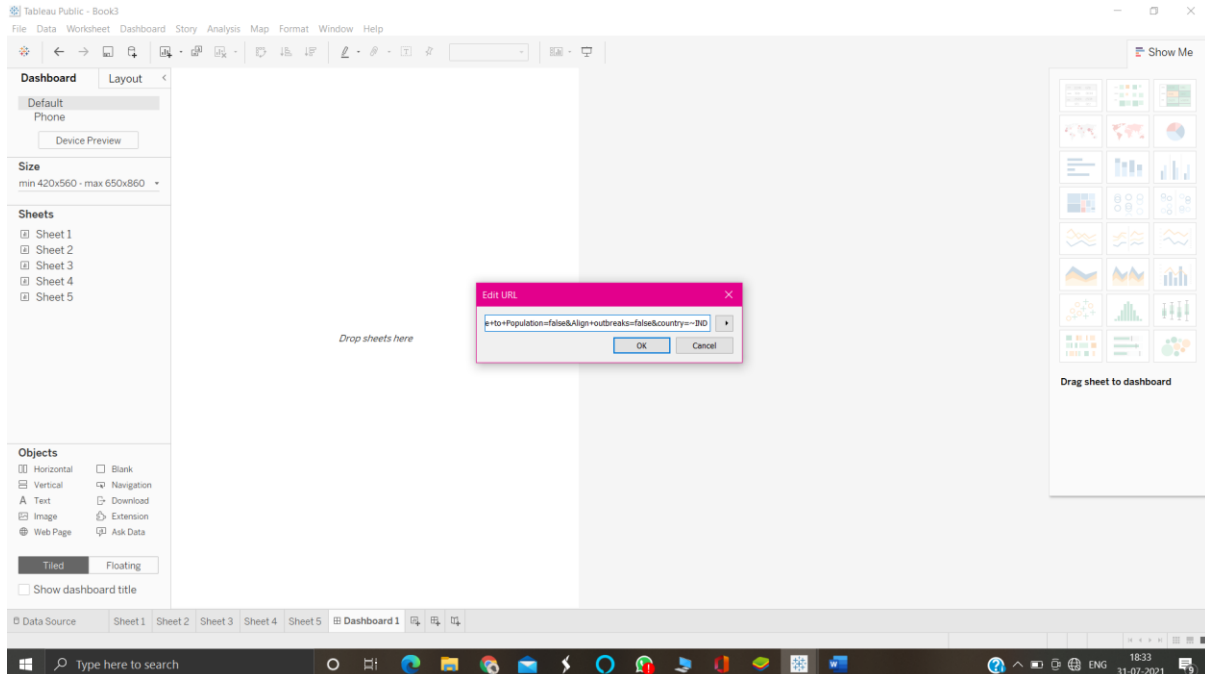
- Open a New Dashboard
- Drag and Drop the “web page” in Objects pane at bottom left corner to the sheet.
- Enter this URL

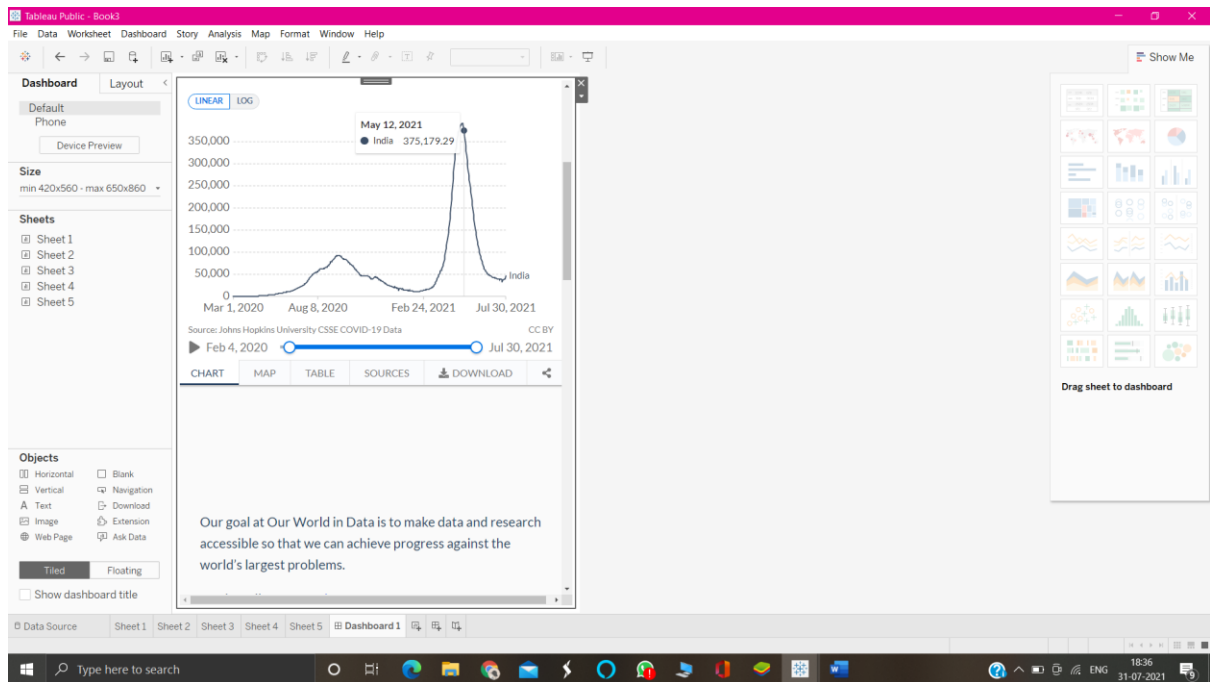
https://ourworldindata.org/explorers/coronavirus-data-explorer?zoomToSelection=true&time=2020-03-01..latest&pickerSort=desc&pickerMetric=total_cases&hideControls=true&Metric=Confirmed+cases&Interval=7-day+rolling+average&Relative+to+Population=false&Align+outbreaks=false&country=~IND

This URL shows the day to day statistics of the covid-19 from March,1 2020 to till now.It is also user-Intractive.

- Adjust to the sheet to make statistics visible.

Screenshots:





Observation:

In May 9, 2021, COVID cases reached a peak of 391,008,29. Likewise, we can see every day to day to report of cases.

Conclusion:

With the analysis and observation made, the result was obtained successfully.

5) Duplicate a sheet used above in story and brief about each field used in each sheet of story created.

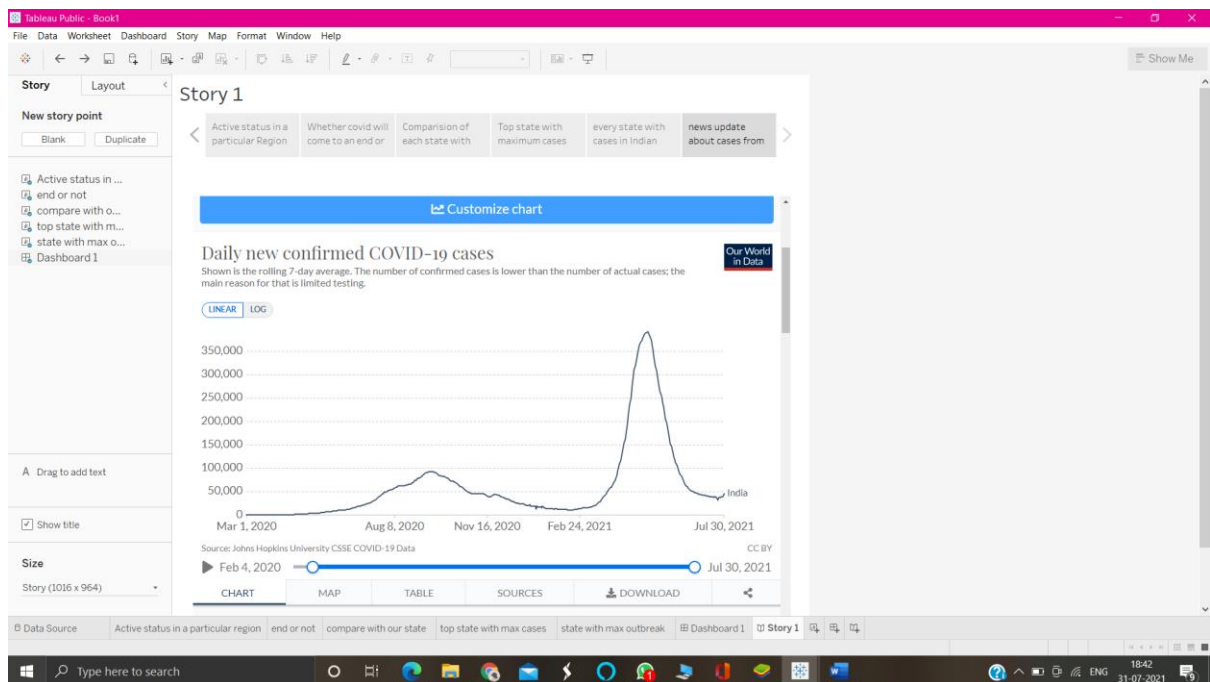
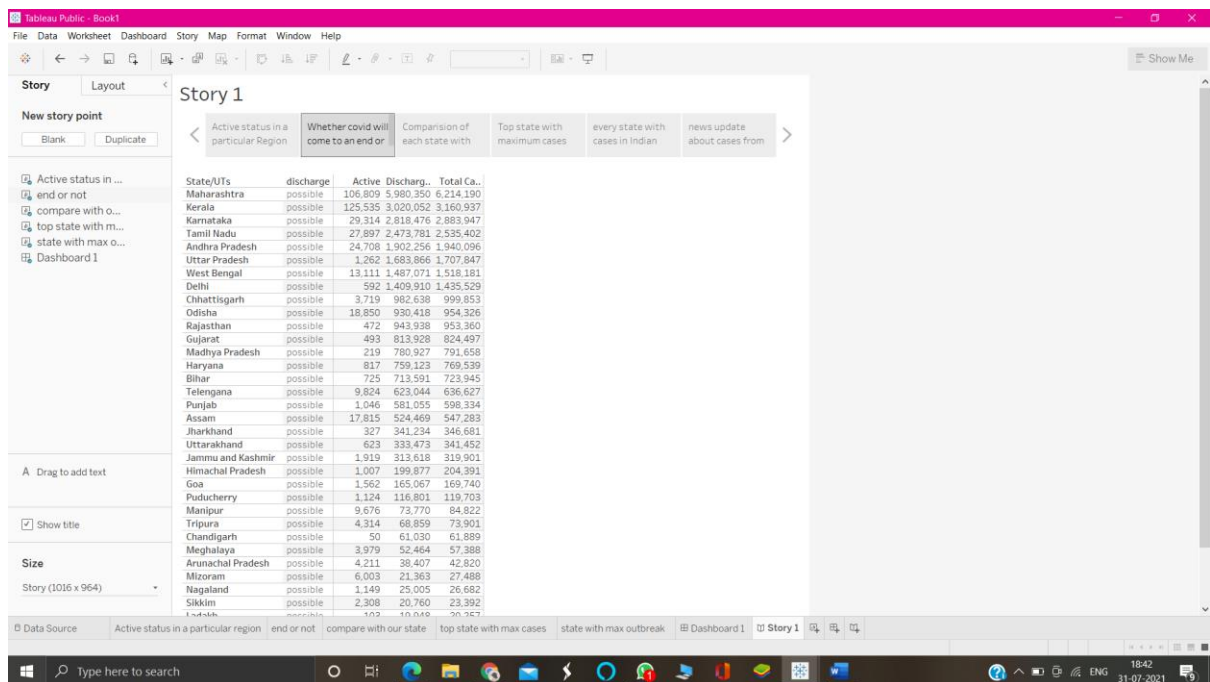
Aim:

To duplicate a sheet used above in story and brief about each field used in each sheet of story created.

Steps:

- Open a new Story.
- Drag and drop the sheets created and align it in new sheets by using "blank"
- And name it based on the requirement.

Screenshots:



Observation:

Fields used-

- Active-shows the active status
- Total cases- Shows the Total cases of each state
- Calculating field-To make some Calculations
- Discharged-Cases get cured.

Conclusion:

With The analysis and observation made , the result was obtained Successfully.

6) Create a parameterized interactive bar graph to know the top states with maximum active cases.

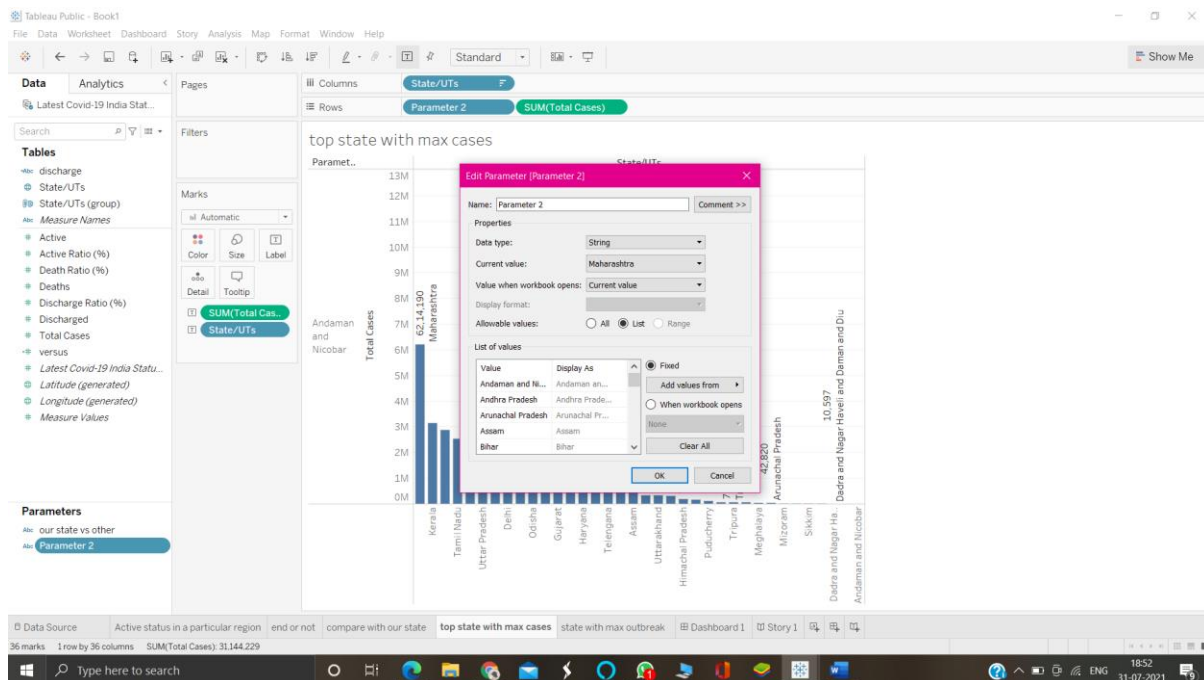
Aim:

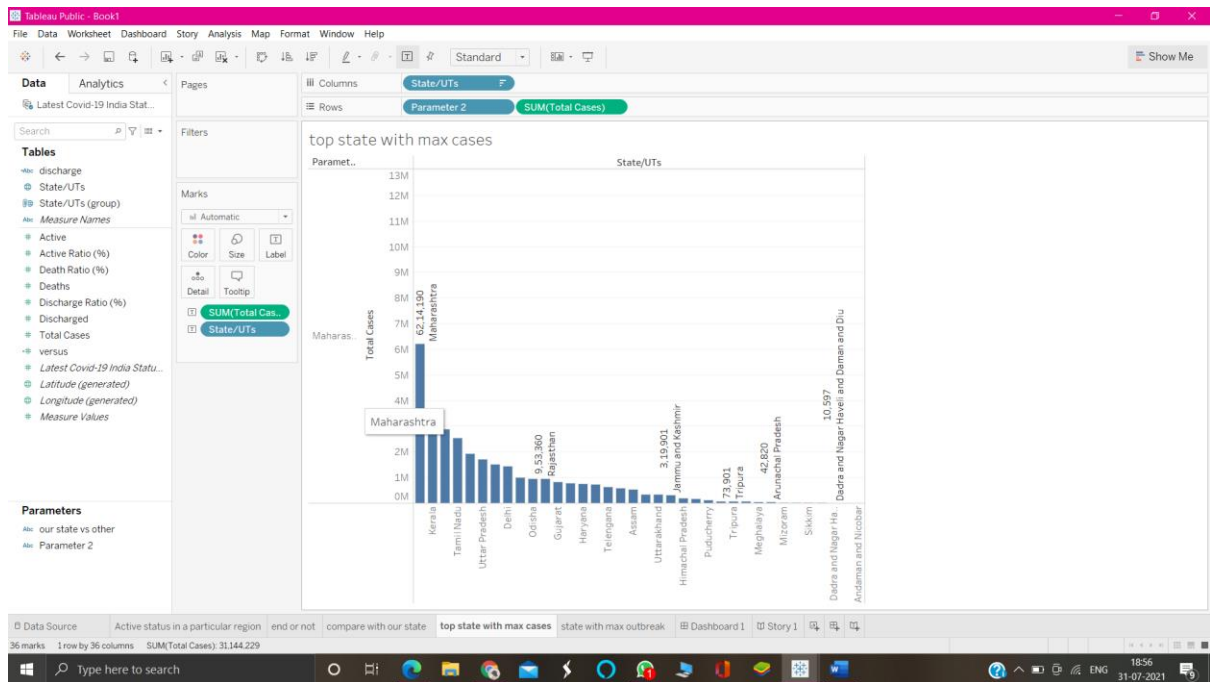
To Create a parameterized interactive bar graph to know the top states with maximum active cases

Steps:

- Drag and Drop the “State/Uts” and Total Cases in Columns and rows respectively. And also in “text label” in the marks pane.
- From the Bar-graph Obtained, sort it to get the states aligned from top to bottom.
- Create a parameter to show the top state, (drop down icon on tables pane), change to strings, click list and apply. And change to Maharastra.
- Drag and drop the Parameter field to the Rows to get the result.

Screenshots:





Observation:

When comparing Maharashtra stands in First position with high cases which is one of the main reason for the increase of total cases of our country.

Conclusion:

With The analysis and observation made , the result was obtained Successfully.

7)Analyse the Total cases of covid using Indian map and Identify the region with maximum outbreak.

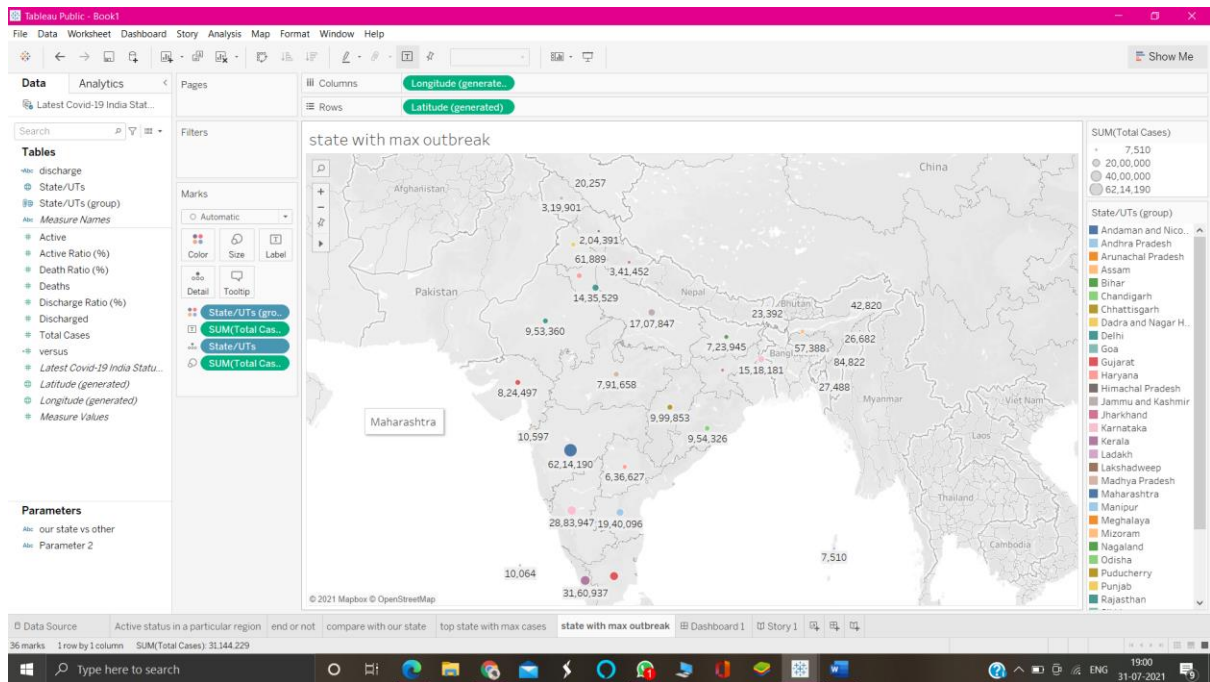
Aim:

Analyse the Total cases of covid using Indian map and Identify the region with maximum outbreak.

Steps:

- Drag and Drop the "State/Uts" and Total Cases in Columns and rows respectively.And also in "text label" in the marks pane.
- Click Maps in show me pane
- Make some additional setup to make easier to Understand.

Screenshots:



Observation:

When comparing Maharashtra stands in First position with high cases which is one of the main reason for the increase of total cases of our country

Conclusion:

With The analysis and observation made , the result was obtained Successfully.

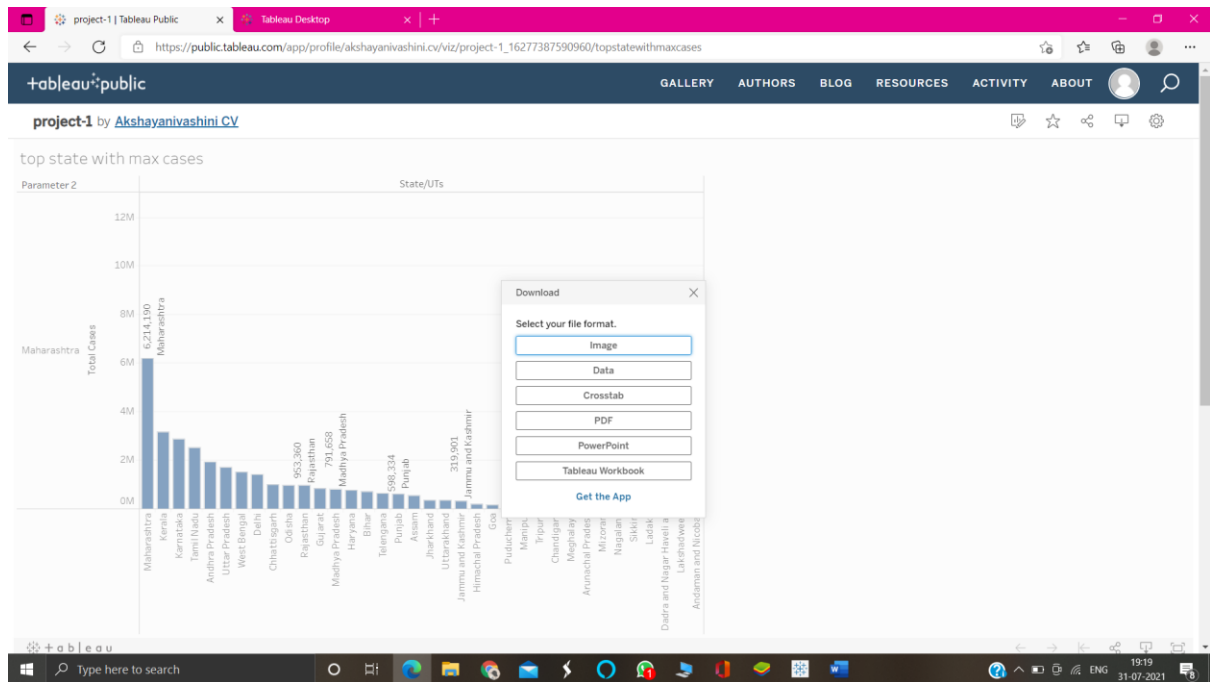
8)Try to export the sheets to all the formats possible from tableau and analyse it.

Aim:

Try to export the sheets to all the formats possible from tableau and analyse it.

Steps:

- Save the file.
- In tableau public,click download option-select the format and analyse it.



Conclusion:

With The analysis and observation made , the result was obtained Successfully.