

### Milestone 1: Data collection

Data collection is the process of gathering and measuring information on variables of interest, in an established systematic fashion that enables one to answer stated research questions, test hypotheses, and evaluate outcomes and generate insights from the data.

### Milestone 2: Working with Dataset

#### Activity 1: Understand the data

These dataset contains the unemployment rate of all the states in India fields include

- states = states in India
- date = date which the unemployment rate observed
- frequency = measuring frequency (monthly)
- Estimated Unemployment Rate (%) = percentage of people unemployed in each state of India
- Estimated Employed = number of people employed.

- Estimated labour participation Rate(%)

= The labour force participation rate is  
The portion of the working population  
in the 16-64 years age group in the  
Economy currently in Employment or  
Seeking Employment

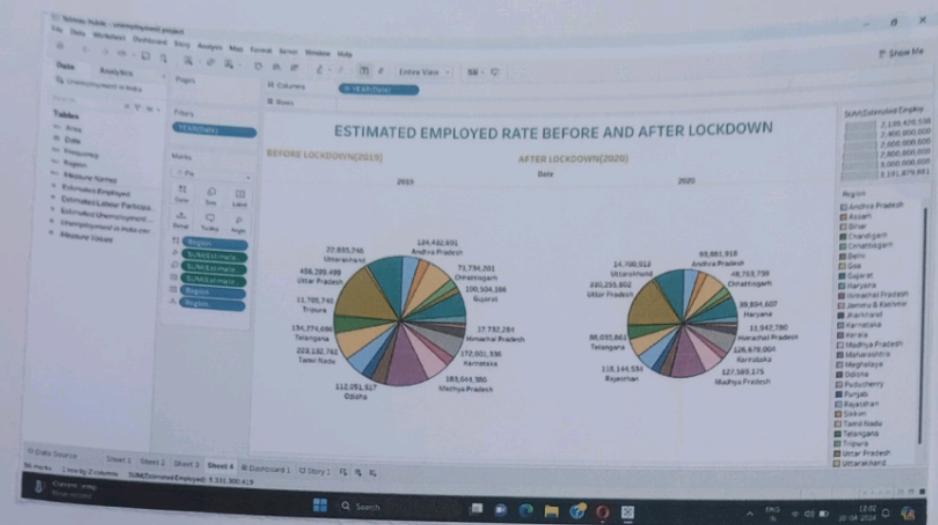
- Area = Rural and Urban Area

#### Milestone 4: Data visualization

Data visualization is the process of creating  
graphical representations of data in order to  
help people understand and explore the  
information. The goal of data visualization is  
to make complex data sets more accessible,  
intuitive, and easier to interpret. By  
using visual elements such as charts  
graphs, and maps, data visualizations can  
help people quickly identify patterns, trends  
and outliers in the data



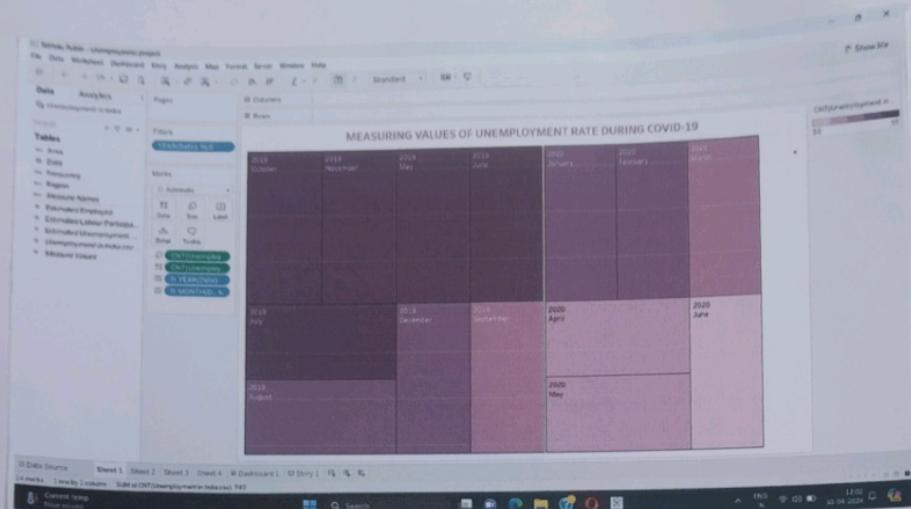
Unemployment is a serious problem which is being experienced by most countries throughout the globe. Unemployment is like a giraffe which is easier to make out than to describe. The crisis of unemployment has been in existence for a long time: Nevertheless, in the developed nations it was experienced in its severe form at the time of the great depression (1930's) while in the developing nations it was after the second world war (1945).



## Estimated Employed Rate Before and After Lockdown

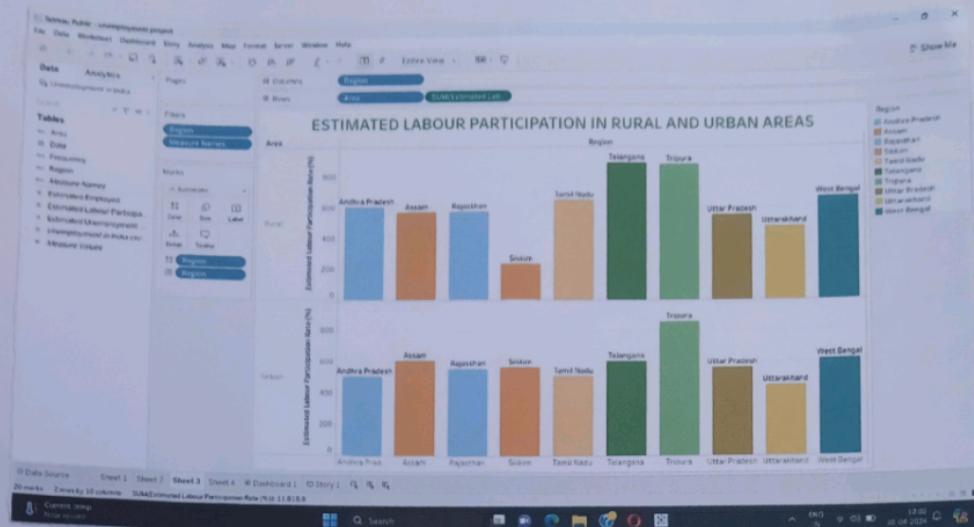
This pie chart shows about Before Lockdown (2019) and after lockdown (2020).

The Year 2019 before lockdown in urban area 27.15% people are unemployed



Employment Rate in top 10 states.

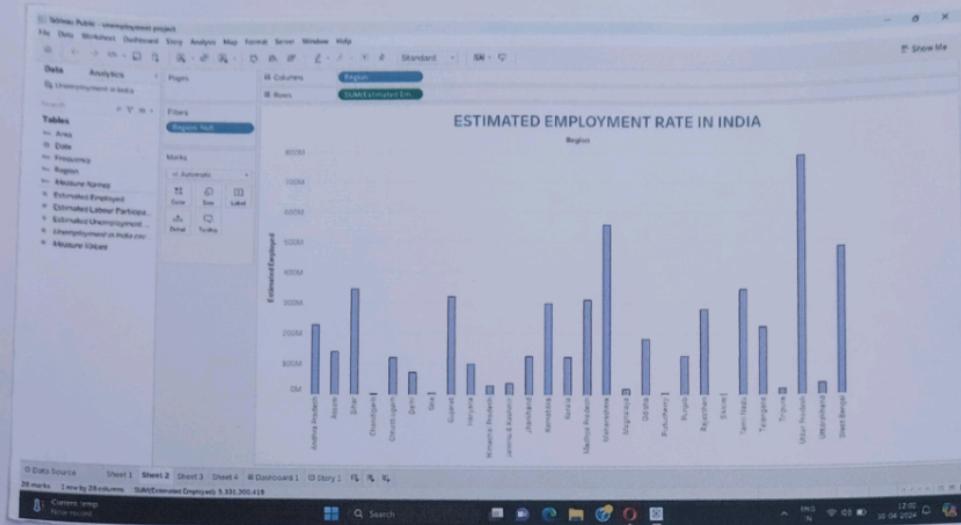
estimated Employed in TOP 10 states  
As compare to other states Bihar has top  
Estimated Employed after lockdown where  
as least state is Chandigarh



This Bar chart Explain about top 10 labour participation by area.

In rural area maximum labour participate from Tripura state.

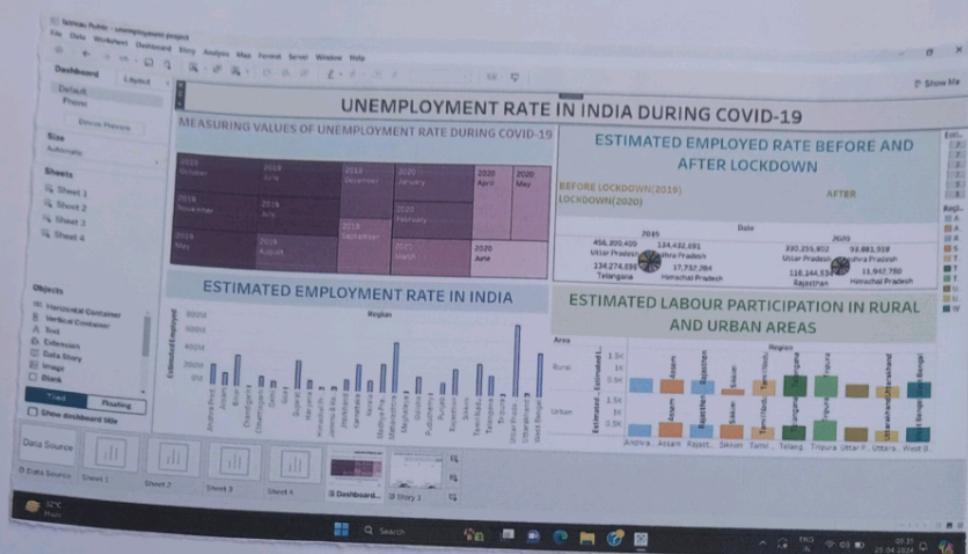
In urban area maximum labour participate from tripura state.



Impact of lockdown on unemployment  
Rural and urban area in 2020

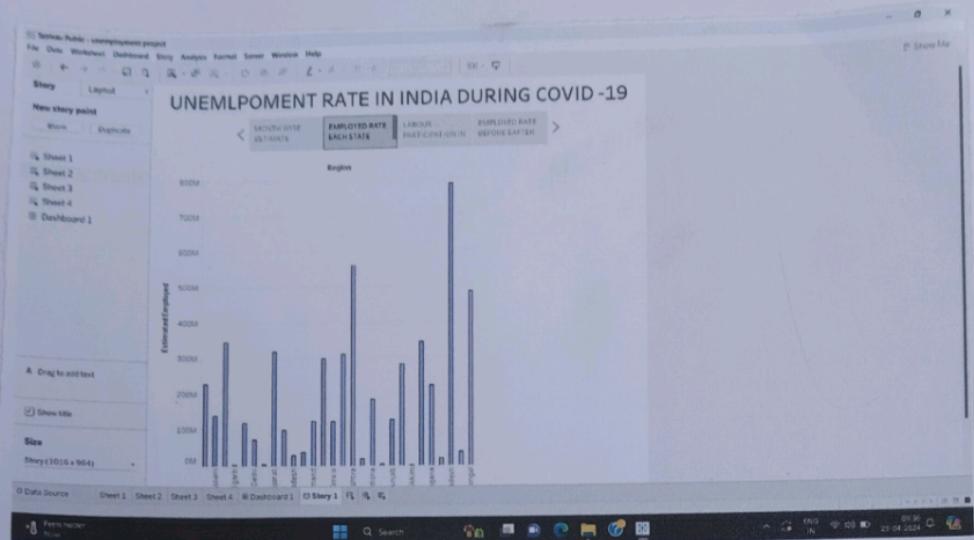
The donut give the complete  
insights of data,

In the year 2020 after lockdown  
more than 50 percent peoples are  
unemployed from urban area.

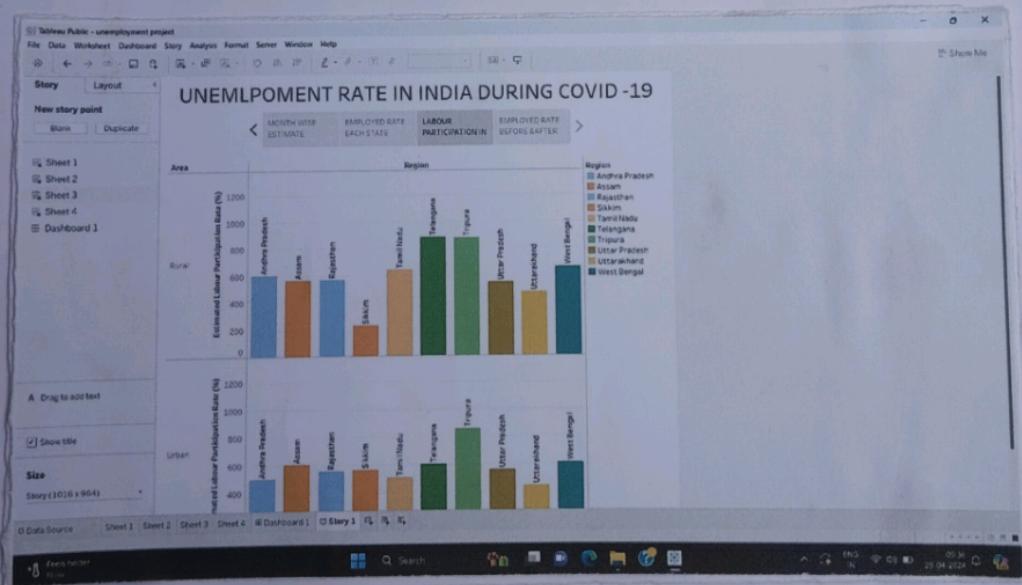


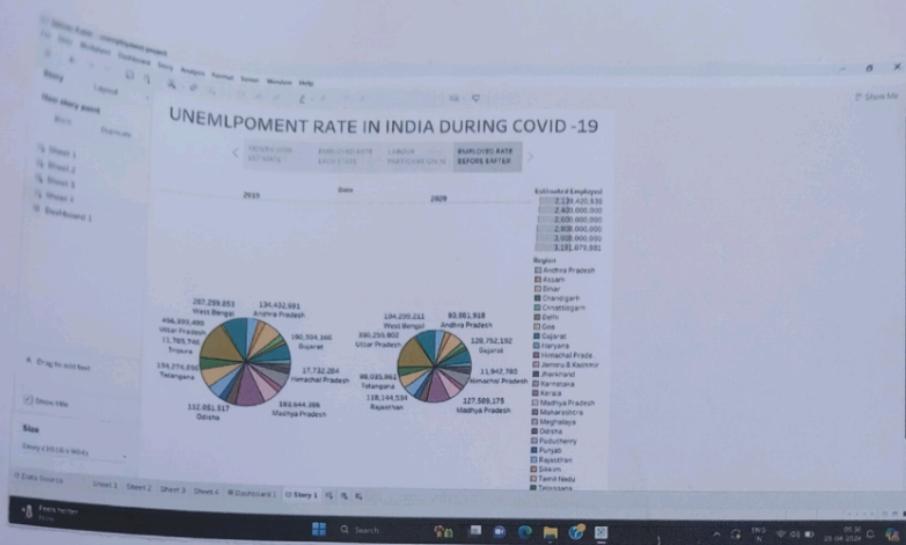
Dashboard can be defined as an information management tool that visually tracks, analyses, and displays key performance indicators (KPI), metrics, as well as key data points allowing you to monitor the current state of your business, department, team, or specific process.

once you have created views on different sheets in Tableau, you can pull them into a dashboard.



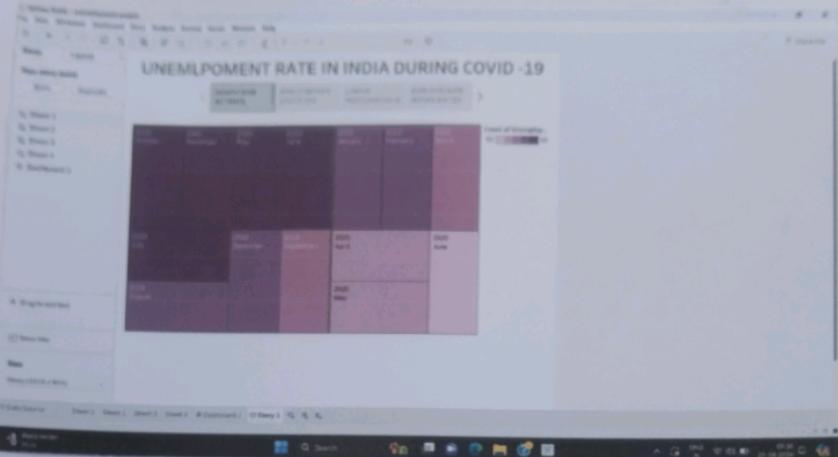
Data stories can be told using a variety of mediums, such as reports, presentations, interactive visualizations, and videos.





A data story is a way of presenting data and analysis in a narrative format with the goal of making the information more engaging and easier to understand.

A data story typically includes a clear introduction that sets the stage and explains the context for the data. It also presents the data and analysis in a logical and systematic.



due to COVID-19 unemployment rate drastically increased in various states in India, mostly impacted states are Bihar, Jharkhand, Haryana, Puducherry, Tripura etc.

The state of unemployment in urban India stands higher at 56.65% as against rural 43.44%.

In 2019 estimated Employment rate was high before the lockdown. However, because of the coronavirus change in percent sudden decrease in Employment in 2020.