

Unemployment Due To Covid-19, India Analysis

Name: Jasleen Kaur Wahi

Roll no : 2018CSC1054

[GitHub](#)

[link : https://github.com/jasleen637/UnemploymentinIndiaDuringCovid-19/tree/main/UnemploymentinIndiaDuringCovid-19](https://github.com/jasleen637/UnemploymentinIndiaDuringCovid-19/tree/main/UnemploymentinIndiaDuringCovid-19)

Topics

Introduction

Datasets

Data Visualization/Analysis

Research problem and conclusions

- The aim of this project is to understand how covid-19 has affected employment in our country by analyzing graphs
- The COVID-19 pandemic is the defining global health crisis of our time and the greatest global humanitarian challenge the world is facing today.
- The virus has spread widely, and its outbreak has affected everyone as some people have lost their jobs as well, In the further slides we will see a comparison between the unemployment before and during covid-19.

Datasets

Source for the data sets : [Covid19India](#)

We Extracted “*Unemployment in India.csv*” from this site which contains the data before outbreak of covid-19 and “*Unemployment_Rate_upto_11.csv*” which contains data during covid-19.

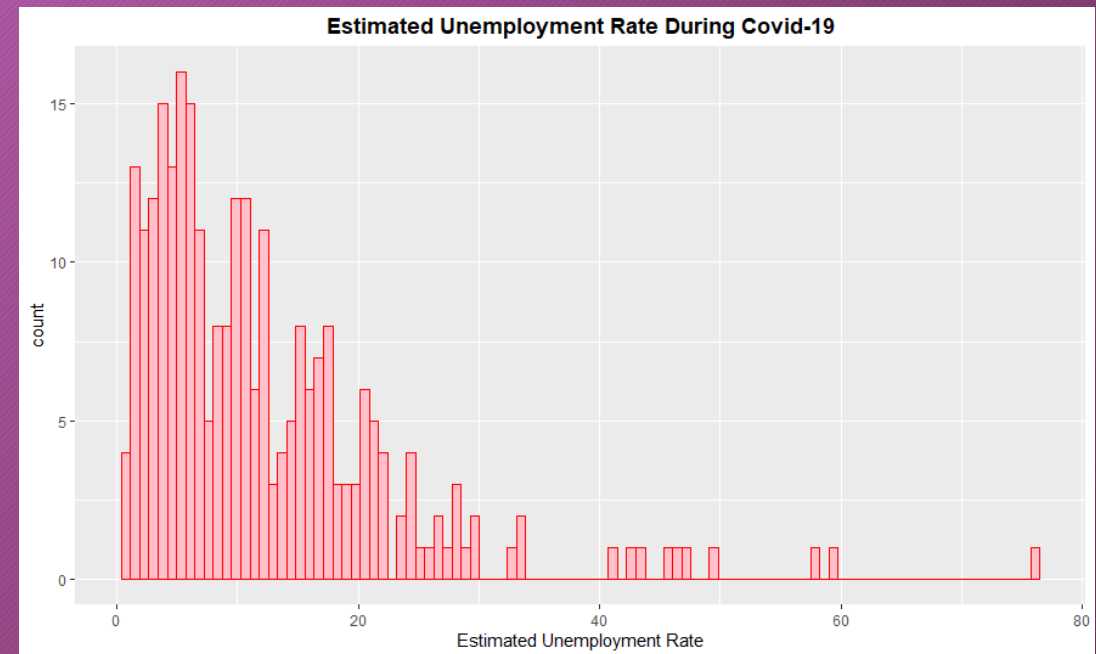
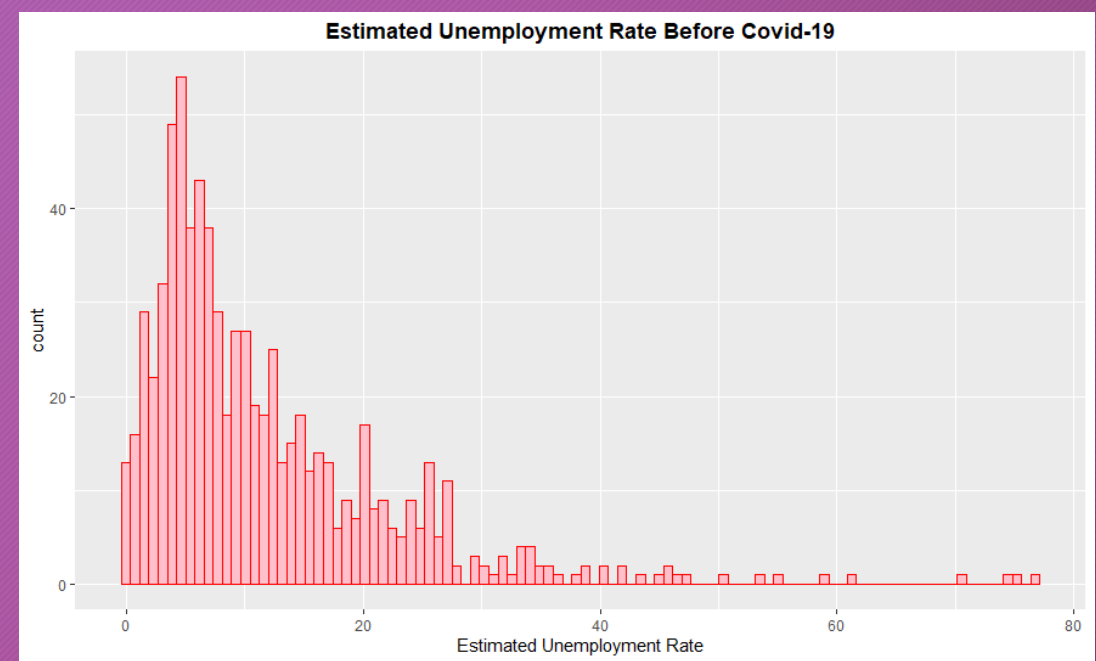
We will use these csv files in order to analyze the data.

This datasets have the information on the people unemployed and employed in before and during covid-19.

Data Visualization/Analysis

Estimated Unemployment Rate Analysis

- We can clearly see that Estimated Unemployment Rate is much higher during covid-19 than before .
- One of the main reason could be that, because lockdown took place and people were supposed to sit at home and due to this some people lost there jobs.

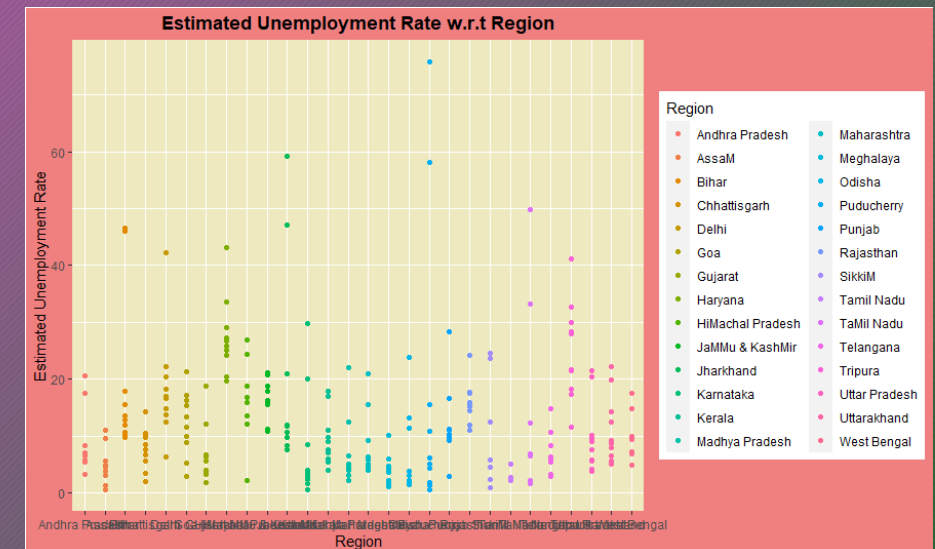
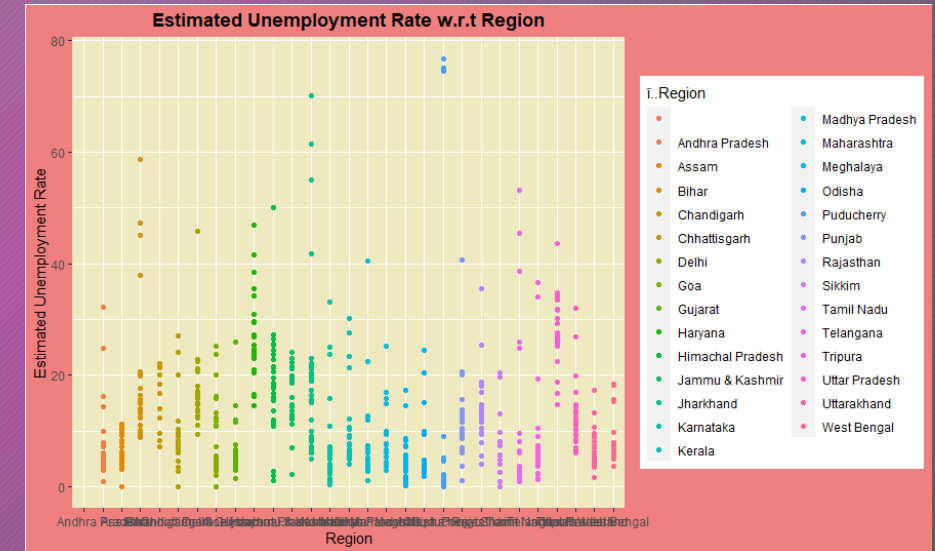


Results of the analysis done may vary than the original results as earlier mentioned in slide 4 under "note" point that after cleaning , 87.65% of the data was lost due to incomplete rows or columns in the original data

Data Visualization/Analysis , continued...

Percentage distribution Region Wise

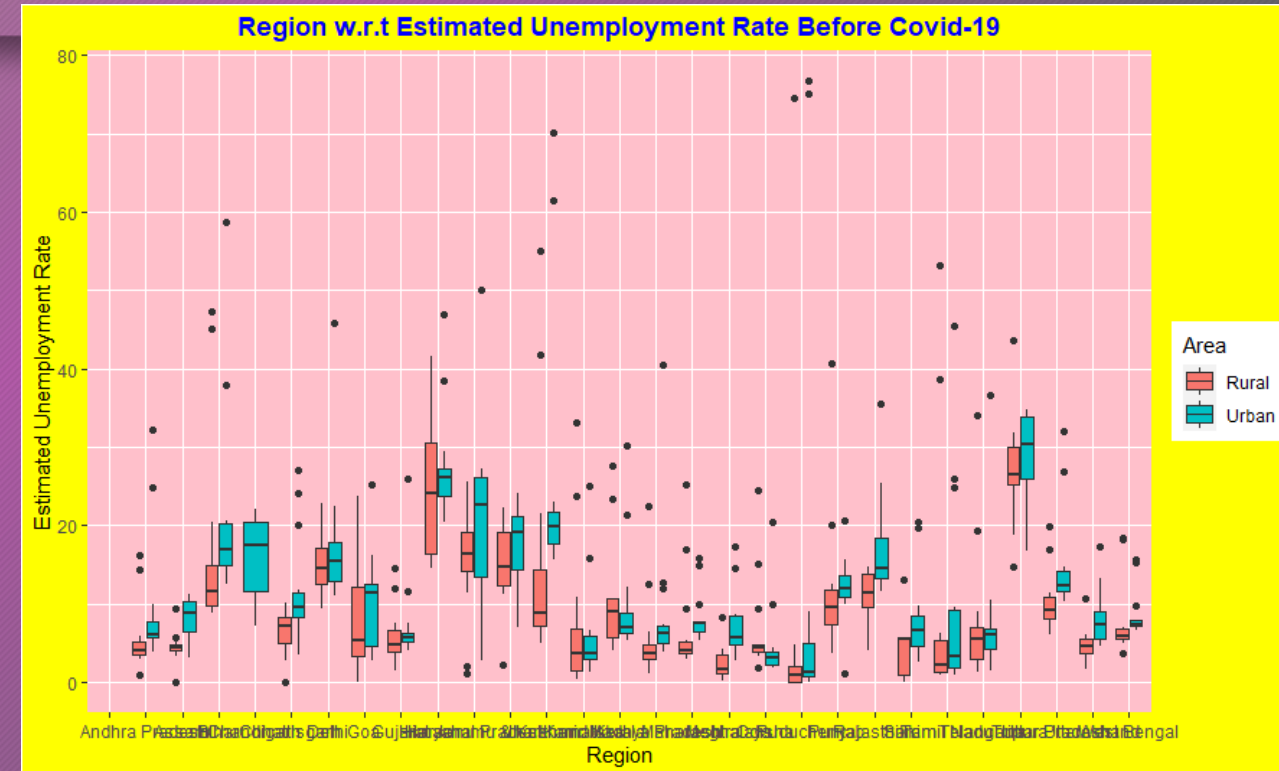
- Here we could see the relationship between Region and Estimated unemployment rate before and during covid-19.
- This clear shows that unemployment rate was higher during covid-19.



Data Visualization/Analysis , continued...

Unemployment status in Rural and Urban Areas

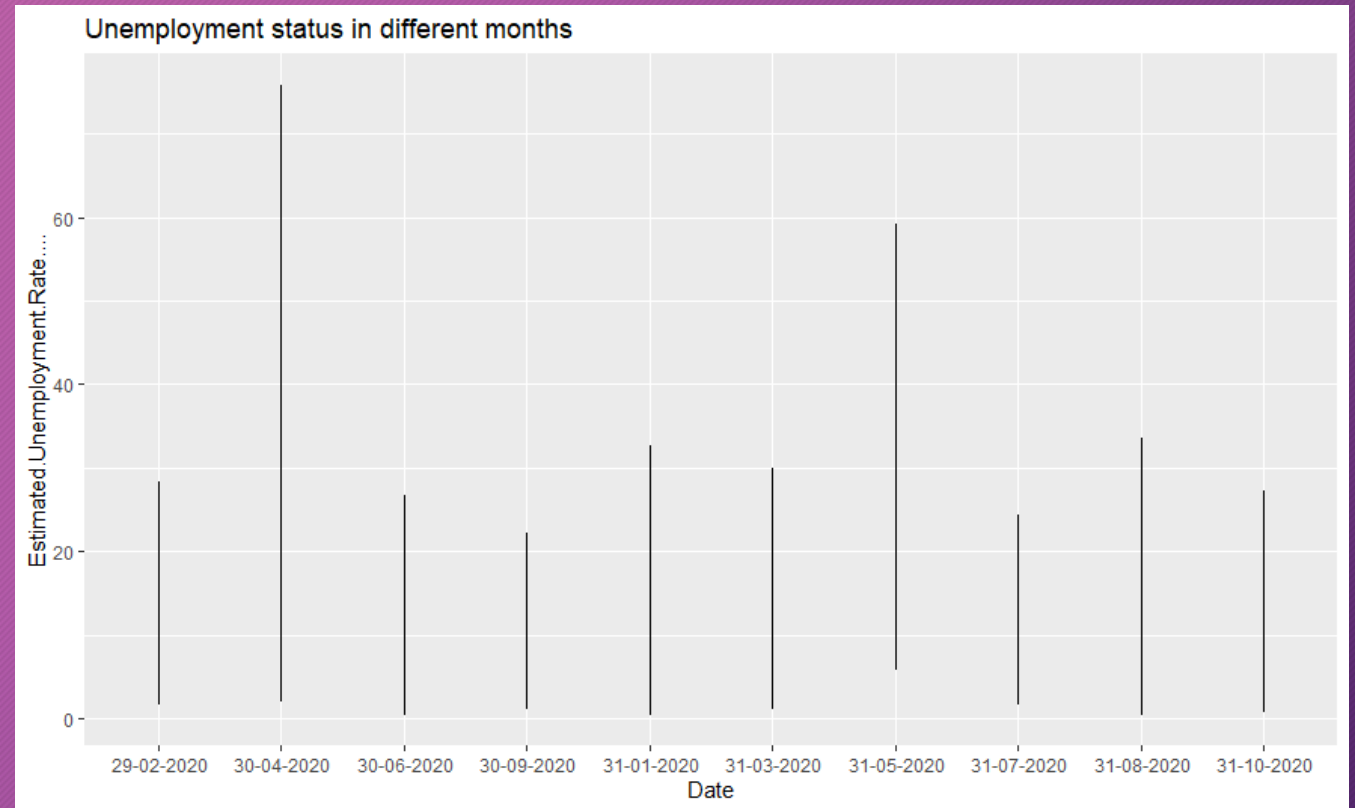
- Both the areas are affected in terms of covid-19
- The box plot shows the data for all the states in India
- Urban areas are majorly affected as per the graph



Data Visualization/Analysis , continued...

Monthly data

- Here is a graph which depicts the unemployment rate in different months.
- The maximum unemployment rate was in the month of april.



The Research Problem

The research problem taken here is “analyze unemployment rate in different states”

Conclusion

- In Conclusion

We can say that , current evidence for COVID-19 is limited to modeling studies that make parameter assumptions based on the current, fragmented knowledge. Findings consistently indicate that lockdown is important in reducing incidence and mortality during the COVID-19 pandemic. But, it has affected people financially they end up losing their jobs so if we continue on lockdown it will affect more so lockdown is not a solution. Proper measures like wearing masks and social distancing must continue so that it can help in prevention from the pandemic. People should take vaccines when get a chance.

