

Unemployment Rate in India During Covid

Introduction

This report aims to provide an analysis of the COVID-19 situation and its impact on the unemployment rate in various regions of India from January to October 2020. The dataset used for this analysis includes information about the estimated unemployment rate, estimated employed population, and estimated labor participation rate for different regions.

Dataset Description

The dataset contains the following columns:

- Region: The name of the region in India.
- Date: The date corresponding to the data point.
- Frequency: The frequency of data collection (Monthly - M).
- Estimated Unemployment Rate (%): The estimated percentage of the unemployed population in the region.
- Estimated Employed: The estimated number of employed individuals in the region.
- Estimated Labour Participation Rate (%): The estimated labor participation rate in the region.
- Region Longitude: The longitude of the region's geographical location.
- Region Latitude: The latitude of the region's geographical location.

Analysis

Impact of COVID-19 on Unemployment Rate

We will analyze the trend of the unemployment rate in each region

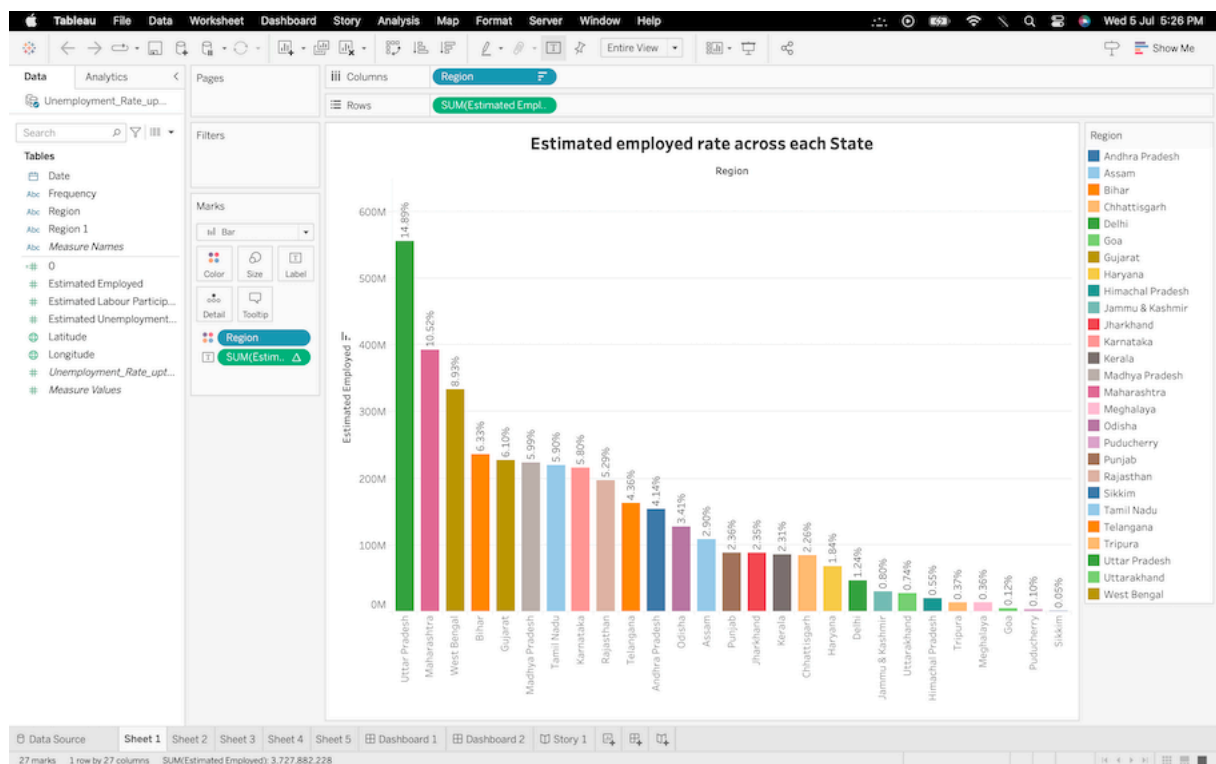
from January to October 2020 to understand the impact of COVID-19 on employment.

Geographical Distribution of Unemployment Rate

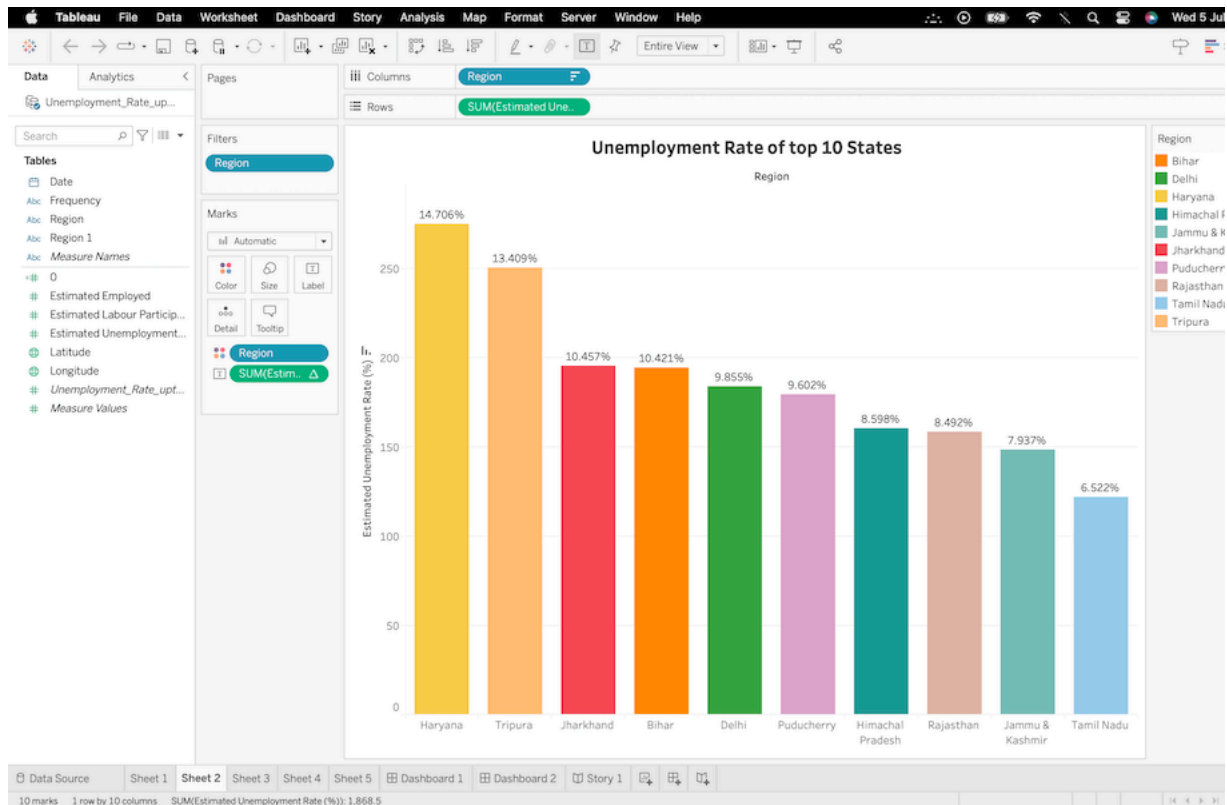
We will plot the geographical locations of the regions on a map of India and use color-coding to represent the unemployment rate in each region.

Data Analysis and Visualization

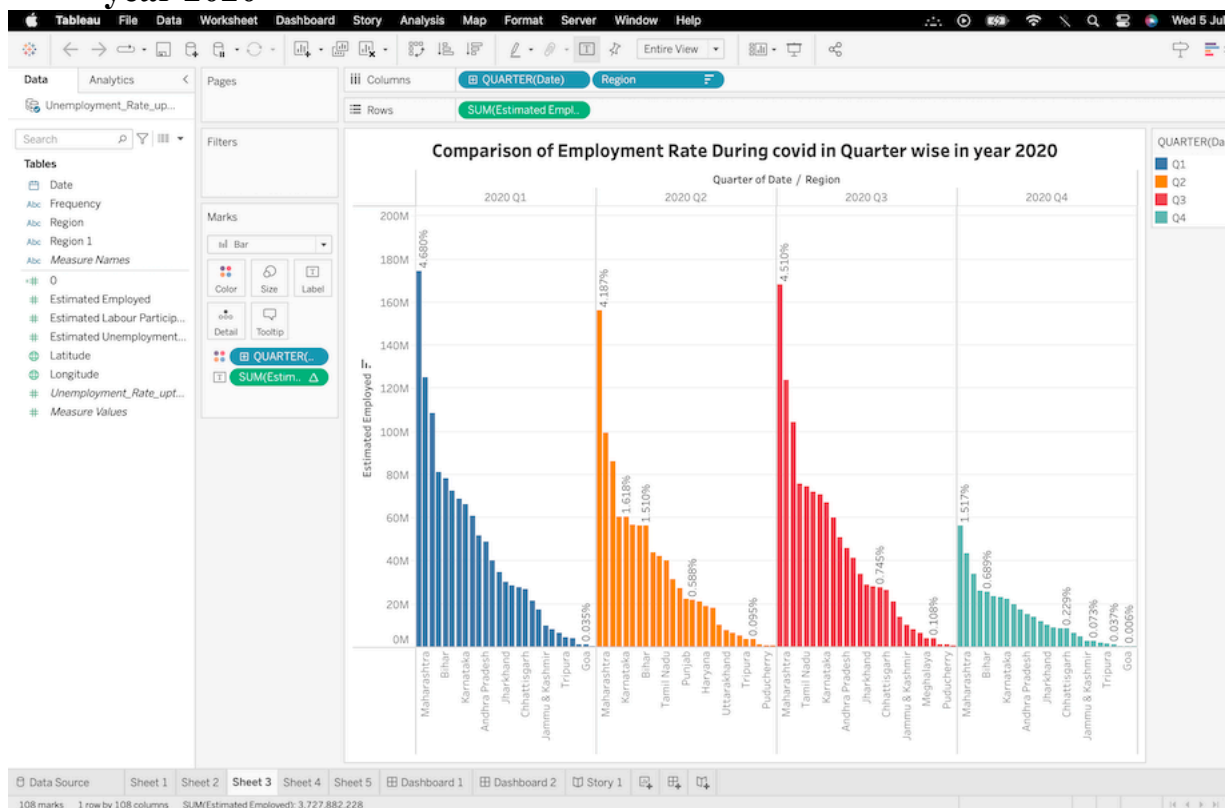
- Estimated employed rate across each State



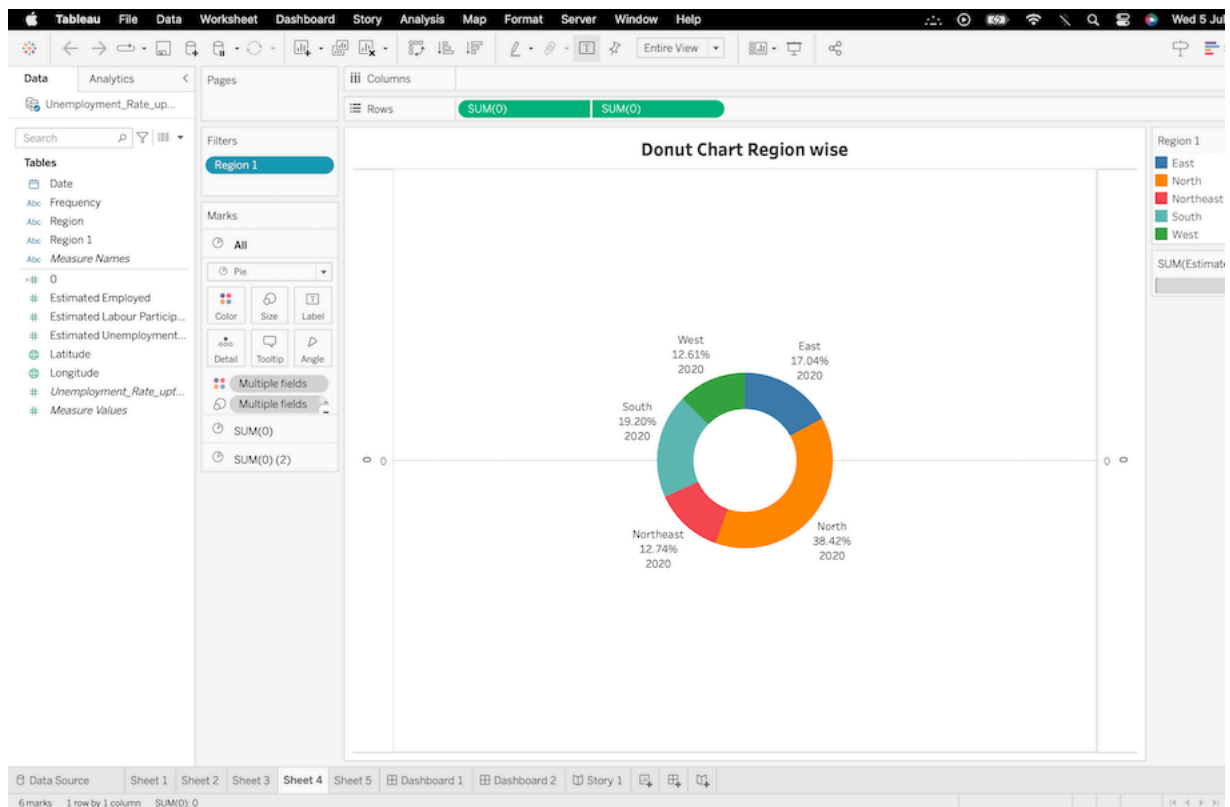
- Unemployment Rate of top 10 States



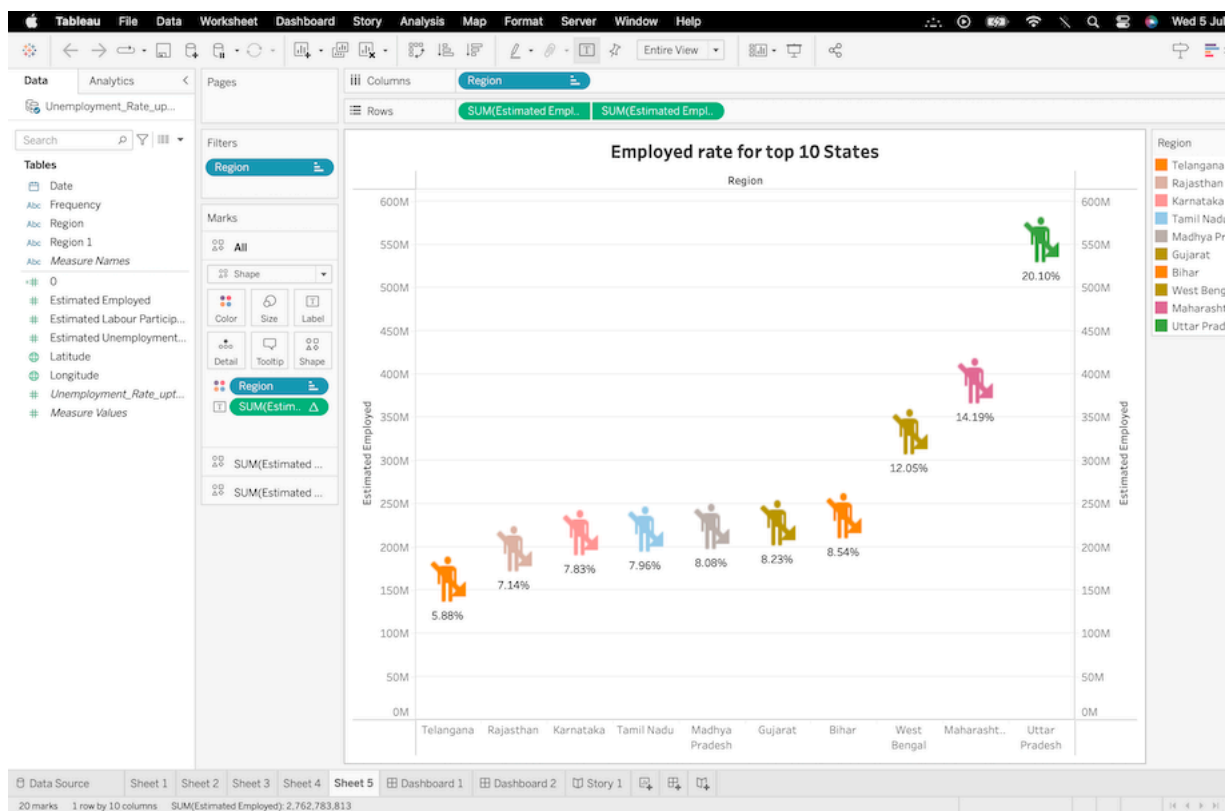
- **Comparison of Employment Rate During covid in Quarter wise in year 2020**



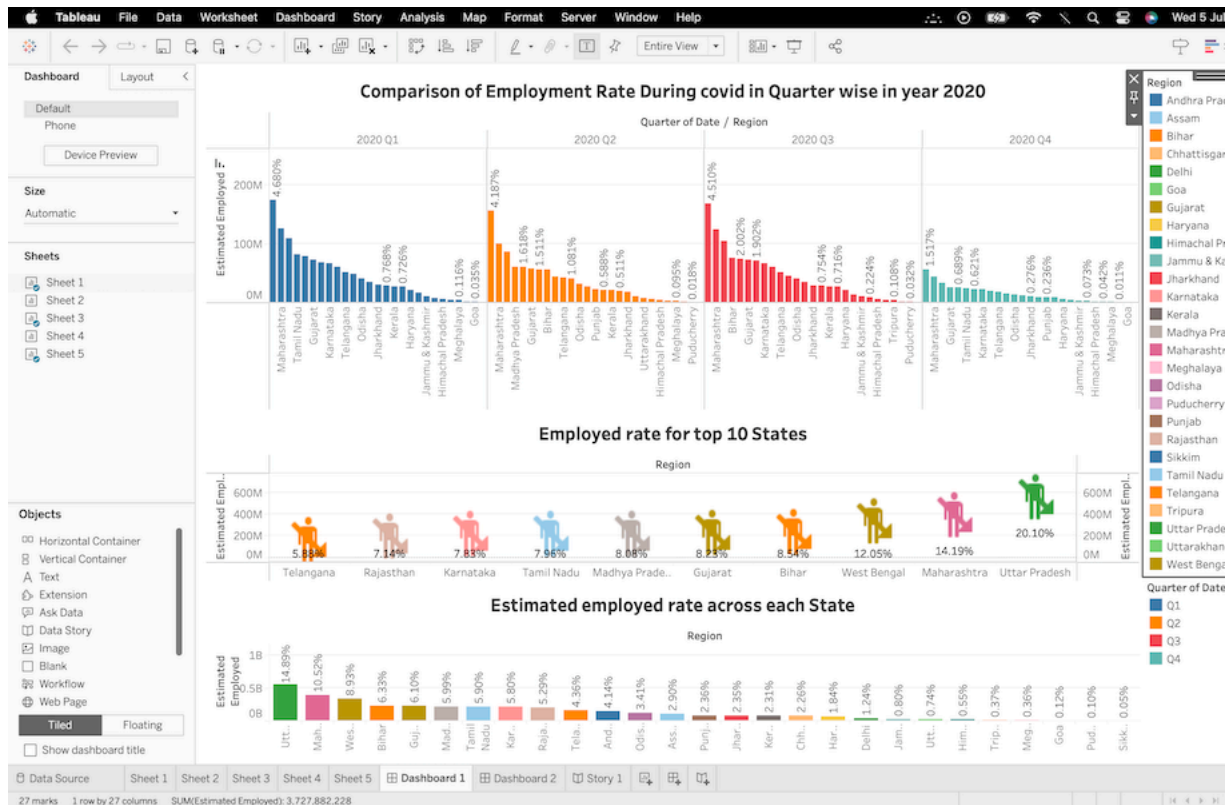
- **Donut chart representing unemployment rate region wise**



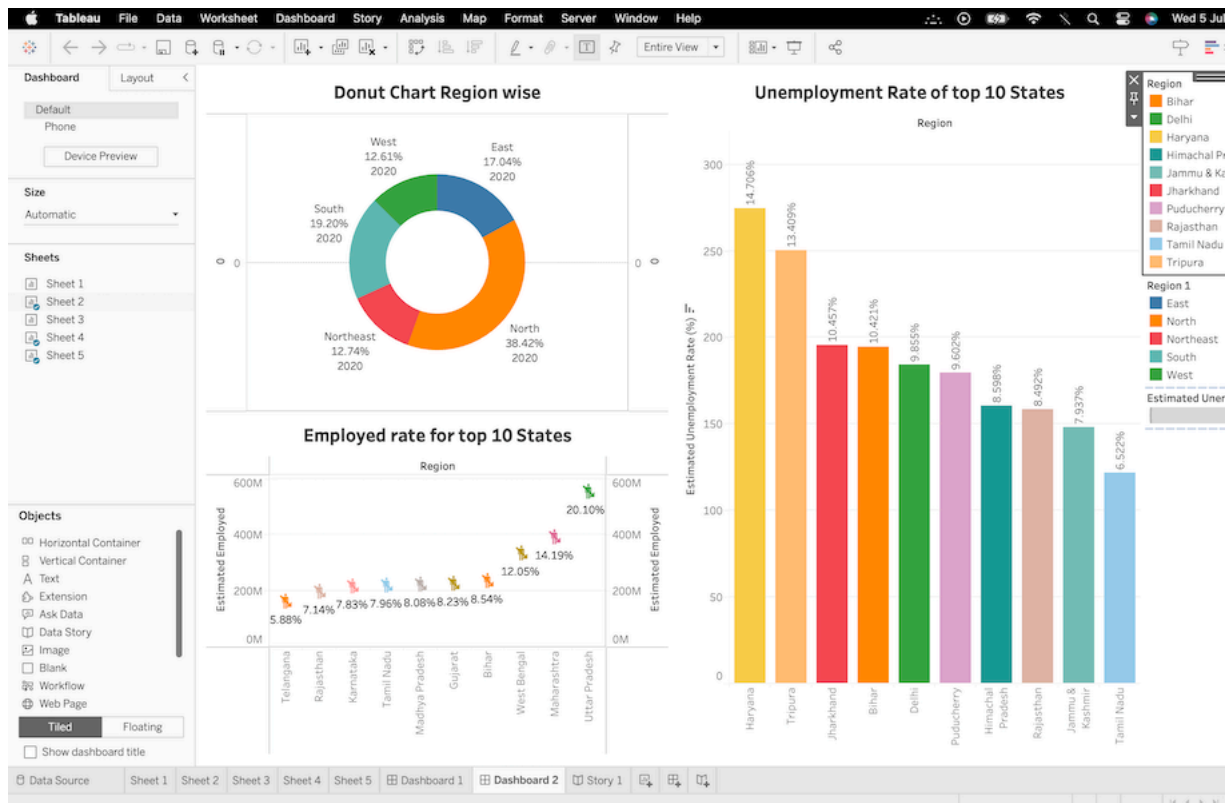
- **Employed rate for top 10 States**



Dashboard 1:



Dashboard 2:



Conclusion

The COVID-19 pandemic had a significant impact on the unemployment rate in various regions of India. We observed fluctuations in the unemployment rate throughout the year 2020, with some regions experiencing higher unemployment rates during specific months. The geographical distribution of the unemployment rate highlights the variation in the economic impact of the pandemic across different regions.

Please note that this report provides an overview of the unemployment rate and its geographical distribution based on the available dataset. For more in-depth analysis and policy implications, further research and data are required.