Unemployment Analysis in India

Unemployment Analysis in India

Region
- ◯ Andhra Pradesh
- ⦿ Assam
- ◯ Bihar
- ◯ Chandigarh

Highest Employment
35.31M

Highest Unemployment Rate
27.48

Highest Labour Rate
2.31K
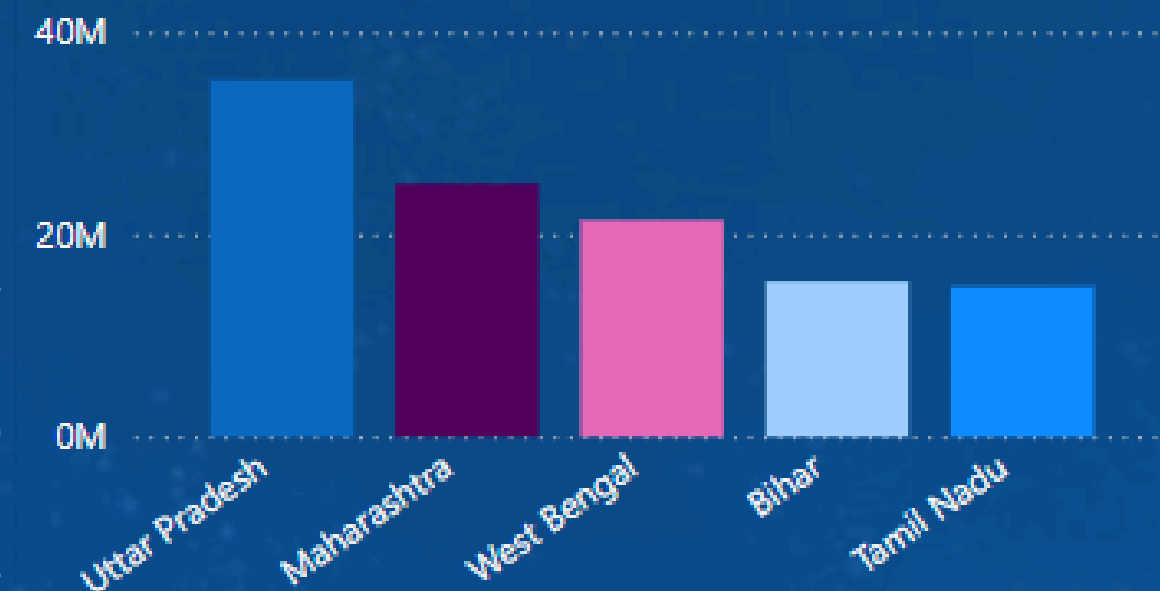
Improvement in Employment

Year ● 2019 ● 2020

- Bihar
- Maharashtra
- Tamil Nadu
- Uttar Pradesh
- West Bengal

0M — 50M

Employment Rate by Year and Month

Year ● 2019 ● 2020

June — July — August — September — October

0M / 10M / 20M
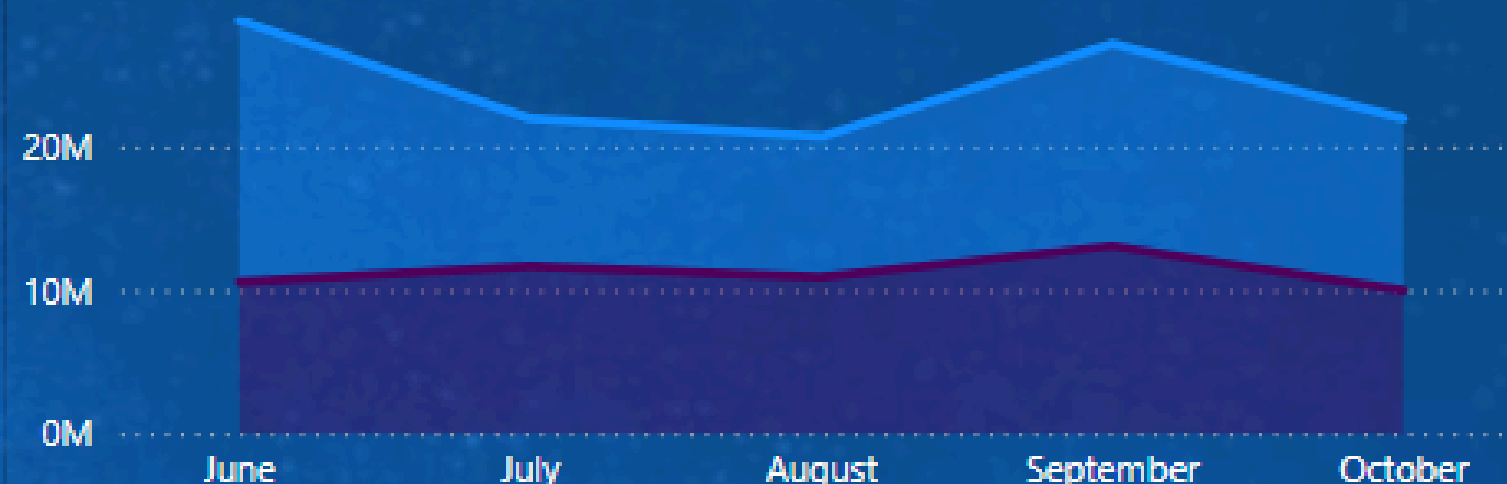
States with Highest Employment Rate

40M / 20M / 0M

Uttar Pradesh — Maharashtra — West Bengal — Bihar — Tamil Nadu

Highest Hike in Unemployment Rate

Year ● 2019 ● 2020

0 / 20 / 40 / 60

Bihar — Haryana — Jharkhand — Tripura
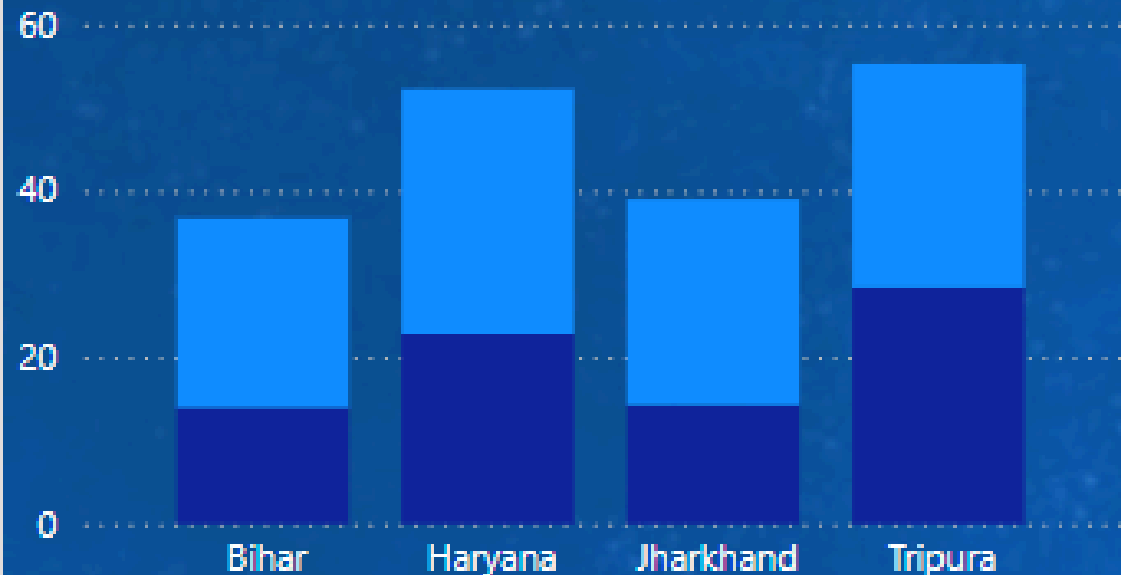
Unemployment Rate (2019-2020) in %

0 / 10 / 20 / 30

Jul 2019 — Jan 2020 — Jul 2020

Top 5 States with most Labour Participation Rate in %

38 / 45 / 39 / 42 / 40

Region
- ● West Bengal
- ● Maharashtra
- ● Tamil Nadu
- ● Uttar Pradesh
- ● Bihar
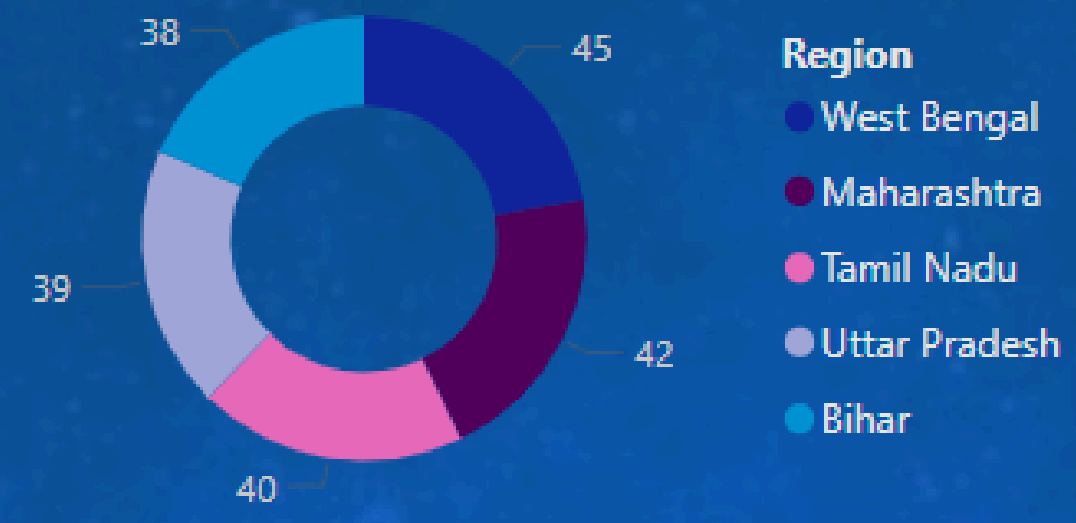
Objective:

The primary objective of this project was to analyze the unemployment trends across different states in India for the years 2019 and 2020, identify key states with significant employment or unemployment changes, and determine factors such as employment rate and labor participation across different regions.

Tools Used:

- **SQL: For querying and extracting data from the database, filtering the relevant information to gain insights into unemployment trends in India.**

- **Power BI: For creating dynamic visualizations and dashboards to display the extracted data in a visually meaningful way, allowing stakeholders to easily understand trends and insights.**

Data Collection & Preparation:

- Collected unemployment and employment data for various states in India for 2019 and 2020.
- Queried the data using SQL to filter by year, state, employment, and unemployment rates.
- Aggregated the data to focus on states with significant changes in unemployment and labor rates.

Data Visualization:

- Loaded the cleaned data into Power BI to create a comprehensive and interactive dashboard.
- Visualizations included bar charts, line charts, and donut charts to represent the data for employment rate, unemployment rate, and labor participation across states.

Conclusion:

This project provided valuable insights into how different regions in India were impacted by employment and unemployment fluctuations between 2019 and 2020. By using SQL for data querying and Power BI for visual storytelling, I was able to create a clear and impactful analysis of unemployment trends across India.

Thank you!