

IMPACT OF COVID-19 ON LABOUR FORCE IN INDIA

Total Employee

395.18M

Gross Rate

-0.17%

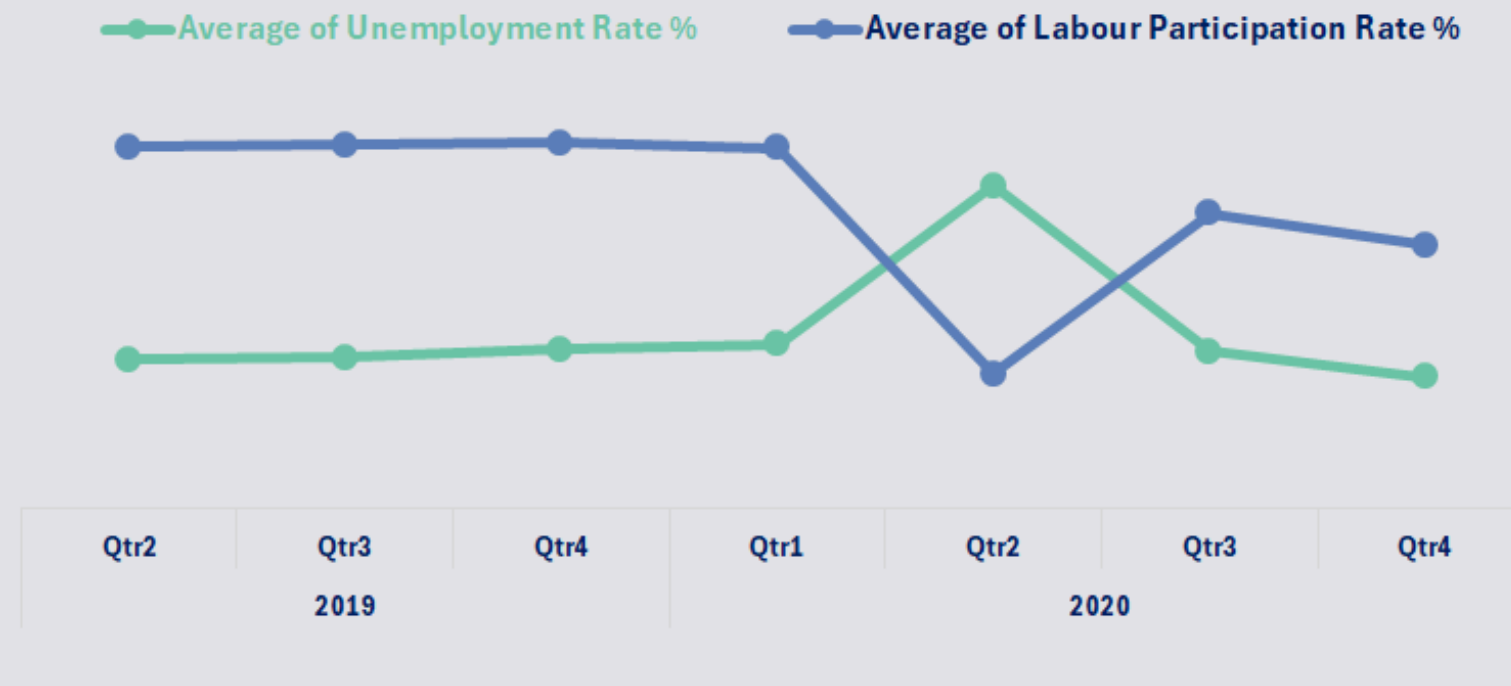
AVG.Unemployment Rate

11.91%

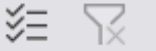
AVG.Labour Participation Rate

42.38%

Average Labour Participation Rate vs. Average Unemployment Rate Over Time



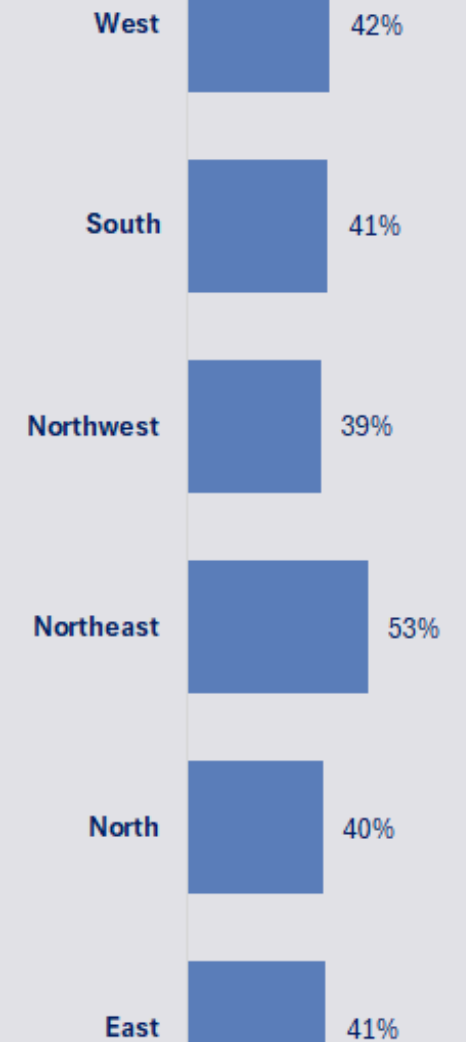
Select the Year



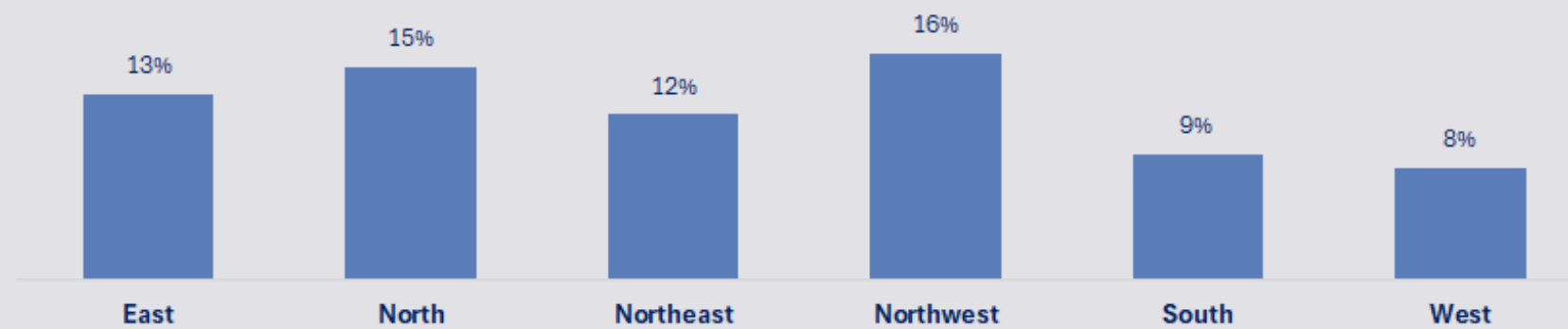
2019

2020

Average Labor Participation Rate By Region



Average Unemployment Rate By Region



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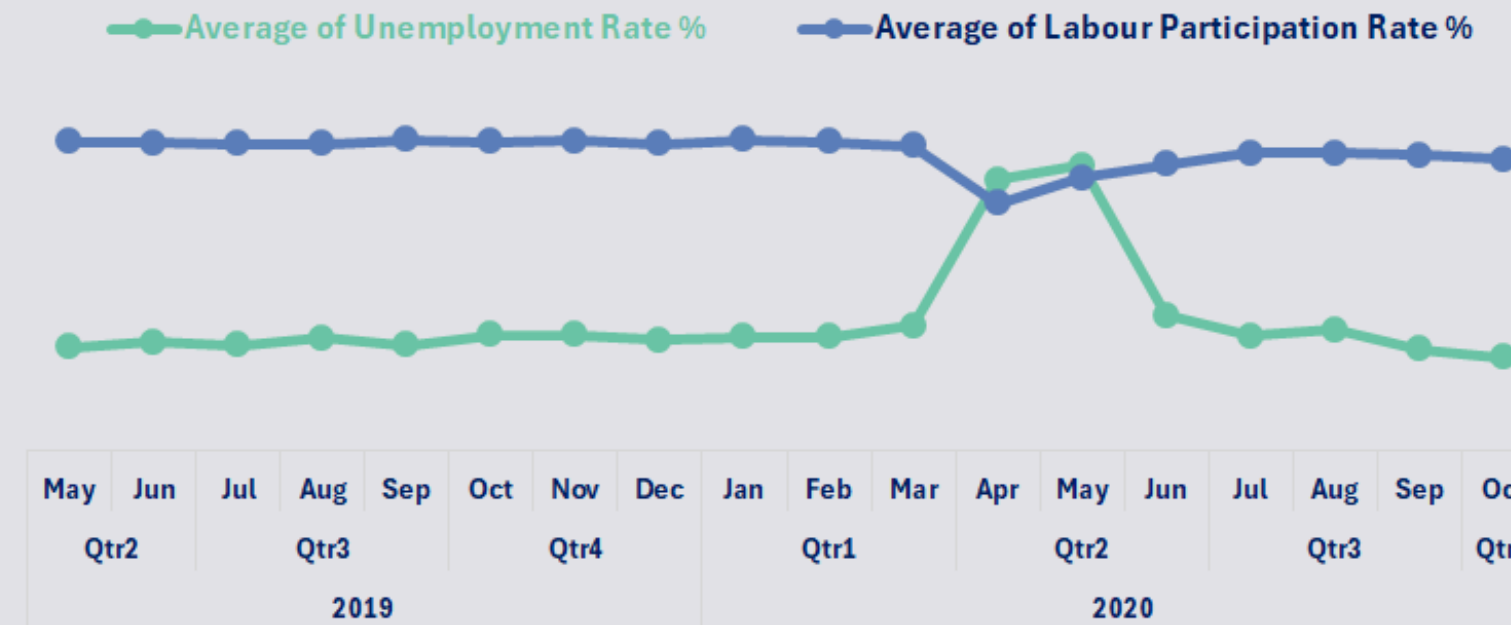
AVG.Unemployment Rate

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AVG.Labour Participation Rate

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Average Labour Participation Rate vs. Average Unemployment Rate Over Time

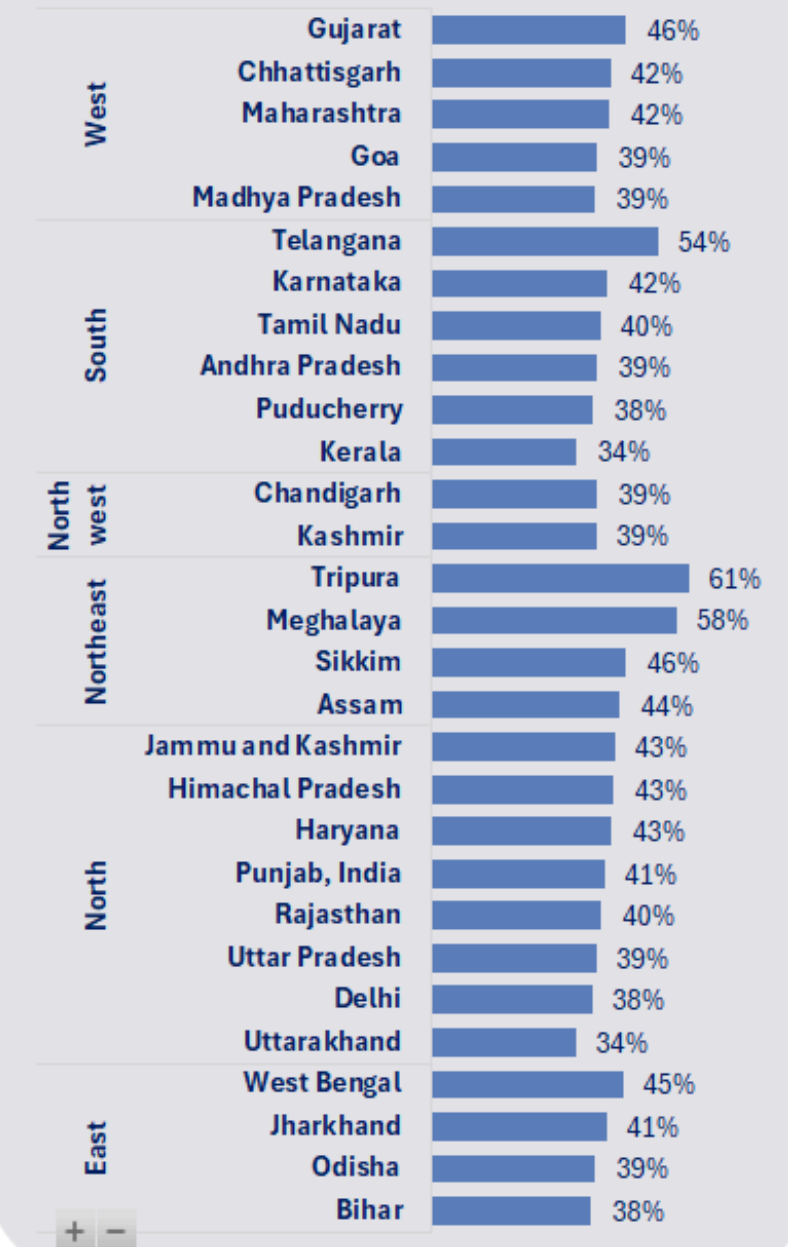


Select the Year

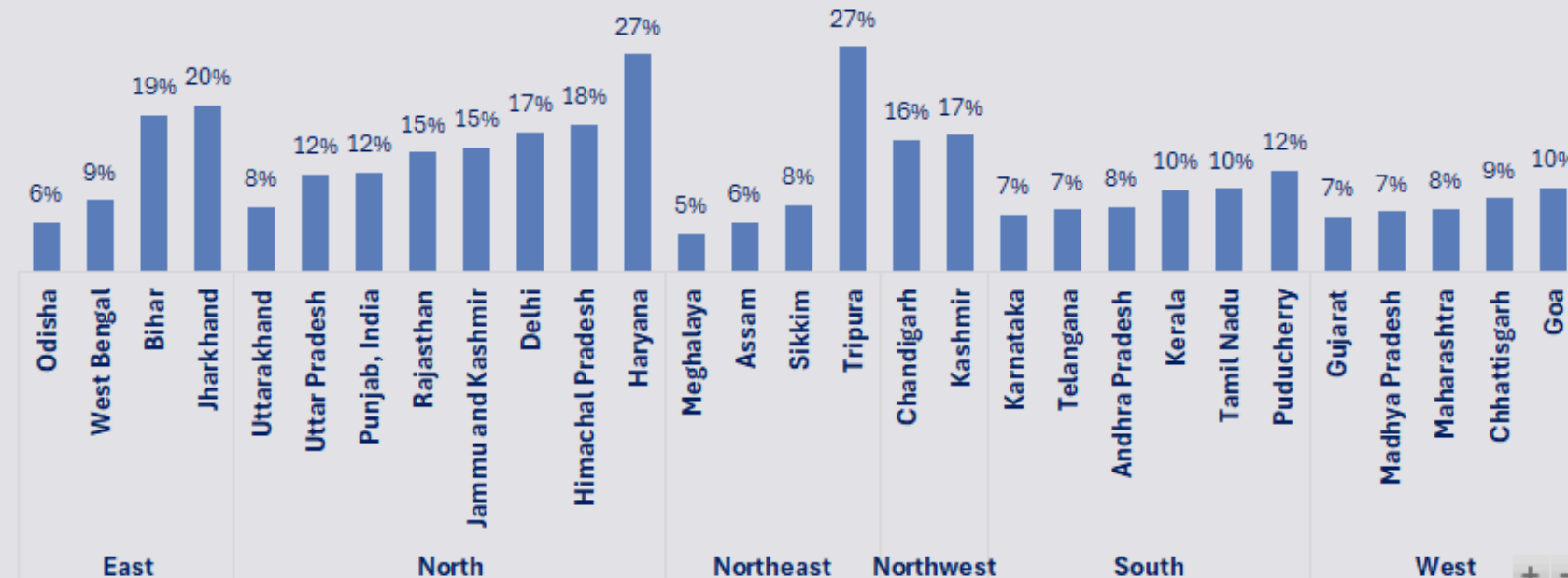
2019

2020

Average Labor Participation Rate By Region



Average Unemployment Rate By Region



By Kareem Shaaban



Unemployment in india

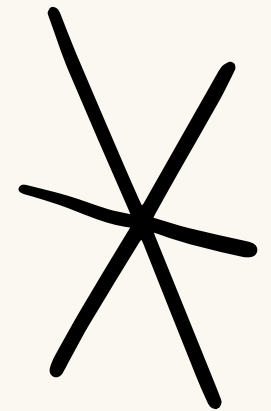
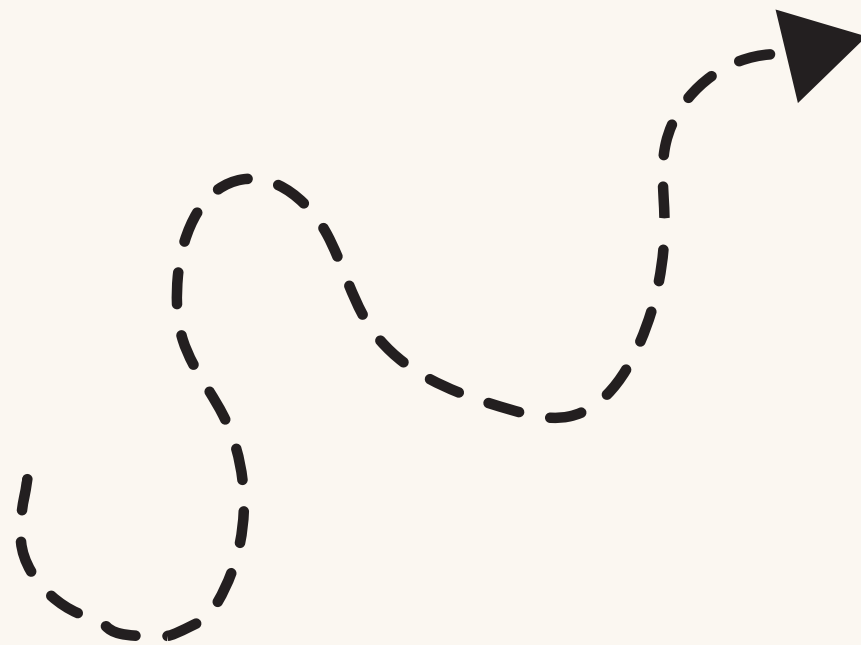
TASK 1 WITH COGNORISE INFOTECH





Introduction

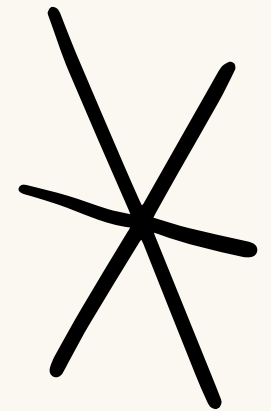
The story behind this datasets is how lock-down affects employment opportunities and how the unemployment rate increases during the Covid-19.





Cleaning & Gathering

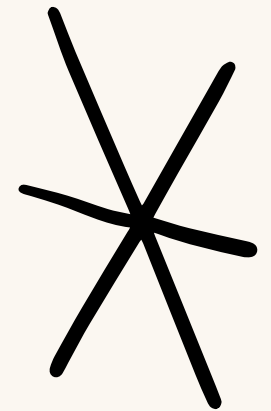
- **Load two raw data files into Power Query.**
- **Remove unnecessary columns.**
- **Combine the two queries into a single query.**
- **Eliminate duplicates and blank rows.**
- **Trim and clean text columns.**





Cleaning & Gathering

- **Address any date-related issues.**
- **Add new columns to calculate the unemployment rate and labour participation rate.**
- **Adjust data types to appropriate formats.**
- **Finalize by loading the cleaned data.**

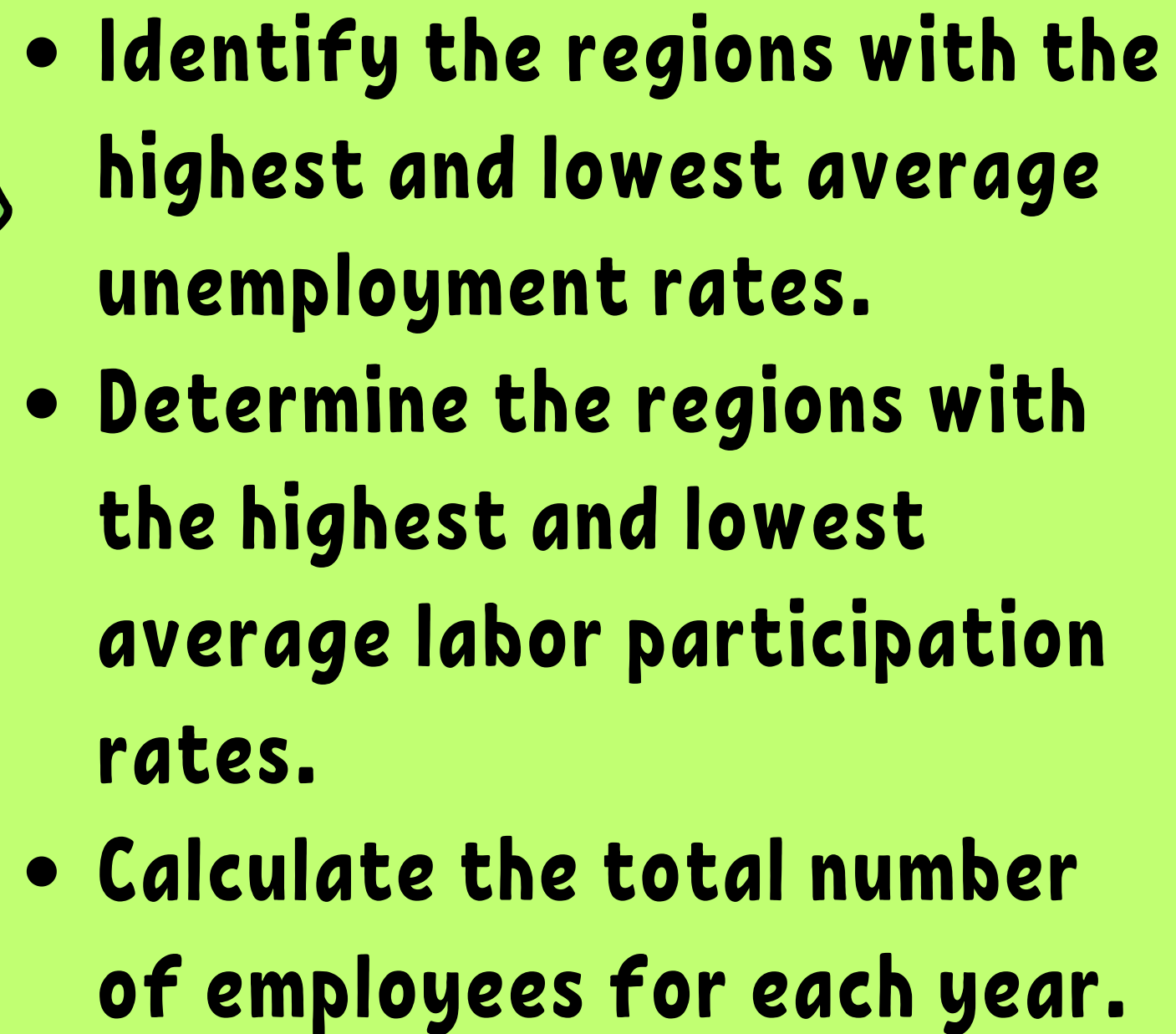
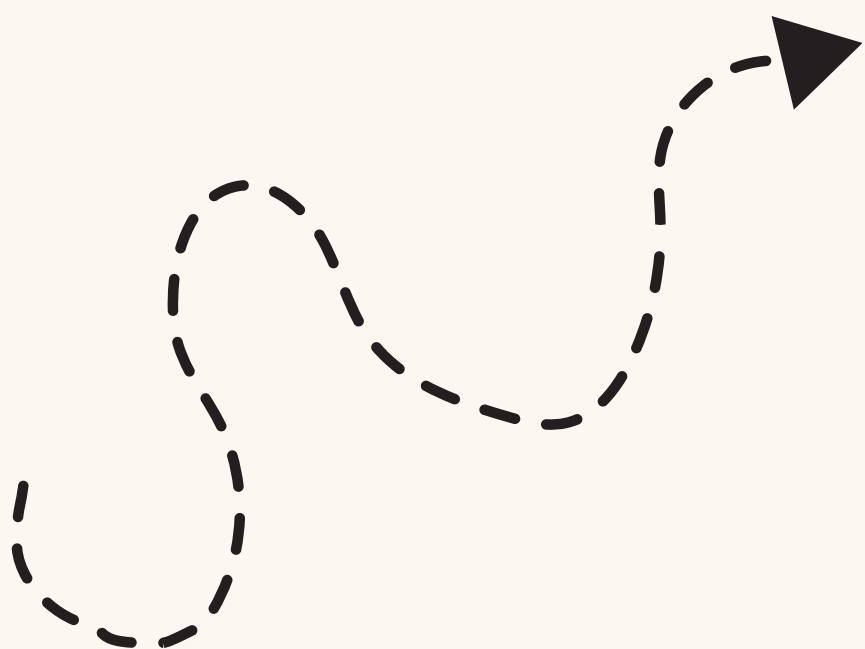
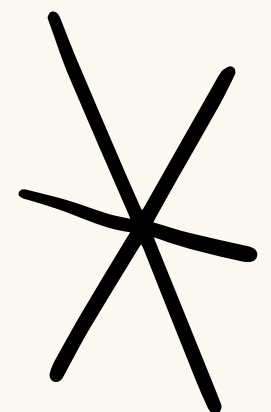


Cleaned Data View

Region	Region 2	Date	Year	Frequency	Estimated Employed	Labour Participation Rate %	Unemployment Rate %
Andhra Pradesh	South	5/31/2019	2019	Monthly	11,999,139	43.24%	3.65%
Andhra Pradesh	South	6/30/2019	2019	Monthly	11,755,881	42.05%	3.05%
Andhra Pradesh	South	7/31/2019	2019	Monthly	12,086,707	43.50%	3.75%
Andhra Pradesh	South	8/31/2019	2019	Monthly	12,285,693	43.97%	3.32%
Andhra Pradesh	South	9/30/2019	2019	Monthly	12,256,762	44.68%	5.17%
Andhra Pradesh	South	10/31/2019	2019	Monthly	12,017,412	43.01%	3.52%
Andhra Pradesh	South	11/30/2019	2019	Monthly	11,397,681	41.00%	4.12%
Andhra Pradesh	South	12/31/2019	2019	Monthly	12,528,395	45.14%	4.38%
Andhra Pradesh	South	1/31/2020	2020	Monthly	12,016,676	43.46%	4.84%
Andhra Pradesh	South	2/29/2020	2020	Monthly	11,723,617	42.83%	5.91%
Andhra Pradesh	South	3/31/2020	2020	Monthly	11,359,660	40.66%	4.06%
Andhra Pradesh	South	4/30/2020	2020	Monthly	8,792,827	36.03%	16.29%
Andhra Pradesh	South	5/31/2020	2020	Monthly	9,526,902	38.16%	14.46%
Andhra Pradesh	South	6/30/2020	2020	Monthly	15,572,975	53.76%	0.85%
Assam	Northeast	5/31/2019	2019	Monthly	11,749,334	57.39%	4.29%
Assam	Northeast	6/30/2019	2019	Monthly	8,923,222	43.87%	5.08%
Assam	Northeast	7/31/2019	2019	Monthly	9,911,534	48.21%	4.26%
Assam	Northeast	8/31/2019	2019	Monthly	9,292,039	45.83%	5.79%
Assam	Northeast	9/30/2019	2019	Monthly	11,468,349	55.67%	4.46%
Assam	Northeast	10/31/2019	2019	Monthly	8,395,906	40.76%	4.65%
Assam	Northeast	11/30/2019	2019	Monthly	9,625,362	46.64%	4.66%
Assam	Northeast	1/31/2020	2020	Monthly	11,420,996	54.90%	4.29%
Assam	Northeast	2/29/2020	2020	Monthly	8,462,814	40.17%	3.26%
Assam	Northeast	3/31/2020	2020	Monthly	9,878,742	47.05%	3.77%
Assam	Northeast	5/31/2020	2020	Monthly	9,926,176	50.00%	9.38%
Assam	Northeast	6/30/2020	2020	Monthly	7,544,937	34.38%	0.00%
Bihar	East	5/31/2019	2019	Monthly	24,322,330	39.75%	9.27%
Bihar	East	6/30/2019	2019	Monthly	24,097,712	39.71%	10.20%
Bihar	East	7/31/2019	2019	Monthly	23,248,875	39.66%	13.44%
Bihar	East	8/31/2019	2019	Monthly	22,260,203	36.85%	11.00%
Bihar	East	9/30/2019	2019	Monthly	23,905,700	38.57%	8.87%
Bihar	East	10/31/2019	2019	Monthly	24,053,140	40.31%	12.47%
Bihar	East	11/30/2019	2019	Monthly	22,445,989	37.51%	12.40%

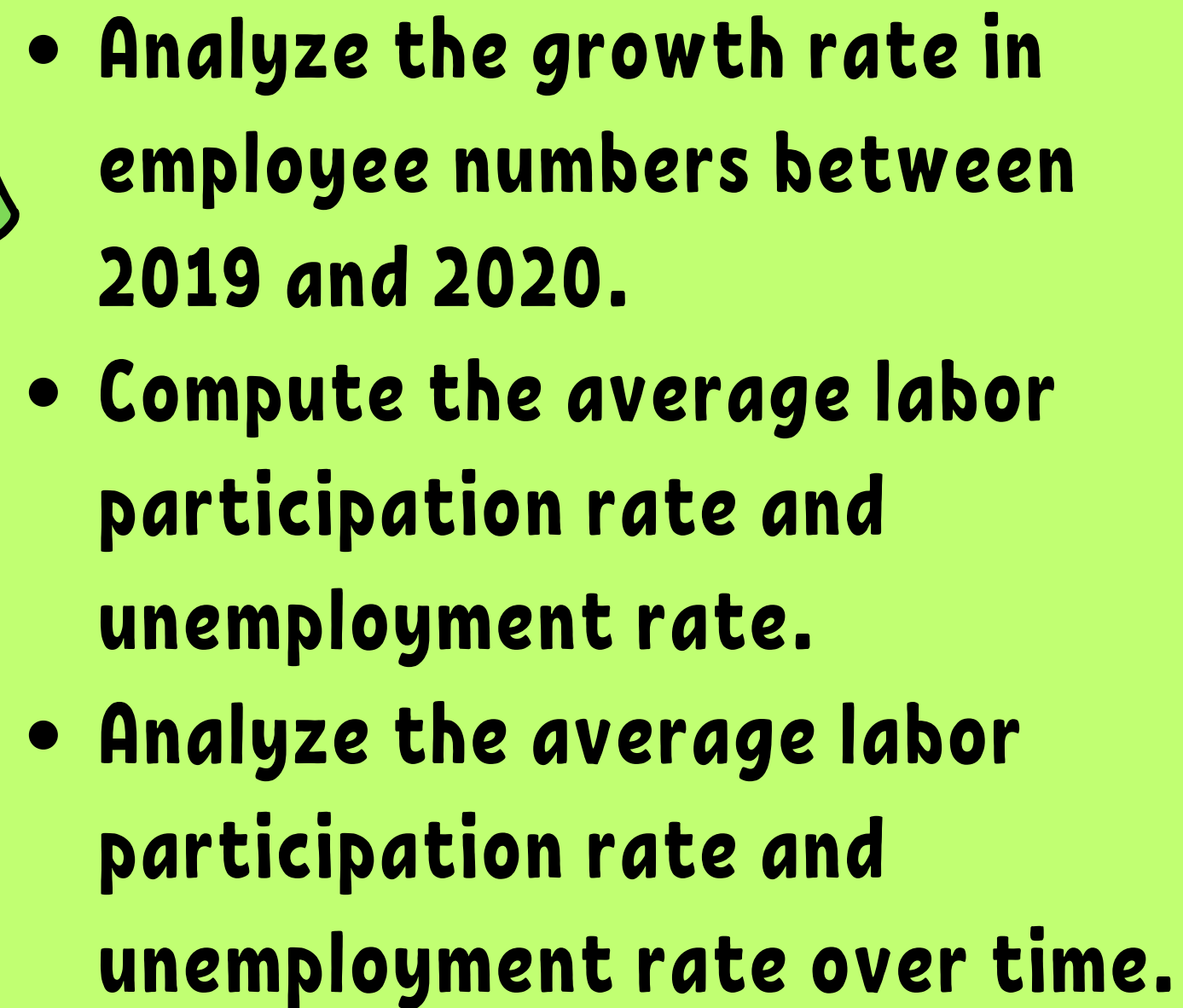
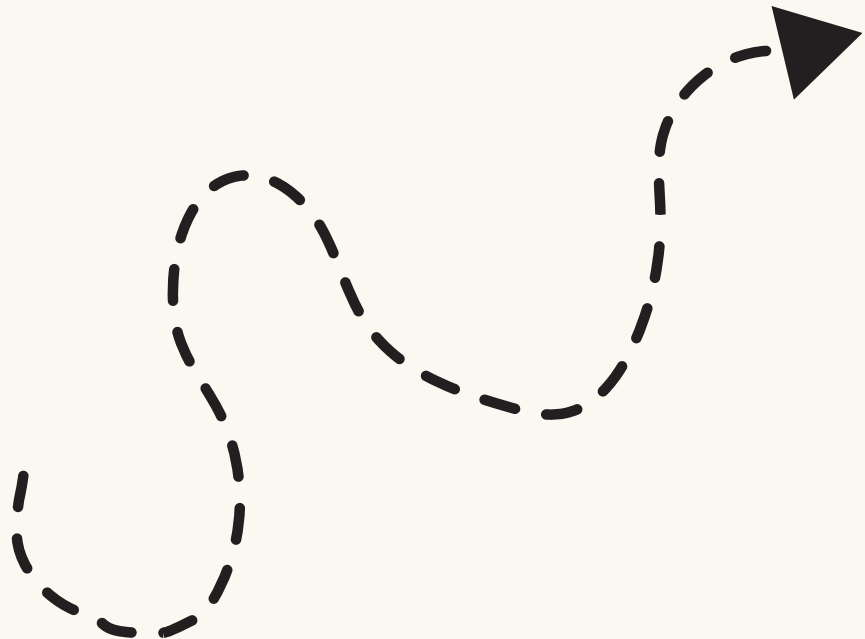



Analysing

- Identify the regions with the highest and lowest average unemployment rates.
 - Determine the regions with the highest and lowest average labor participation rates.
 - Calculate the total number of employees for each year.
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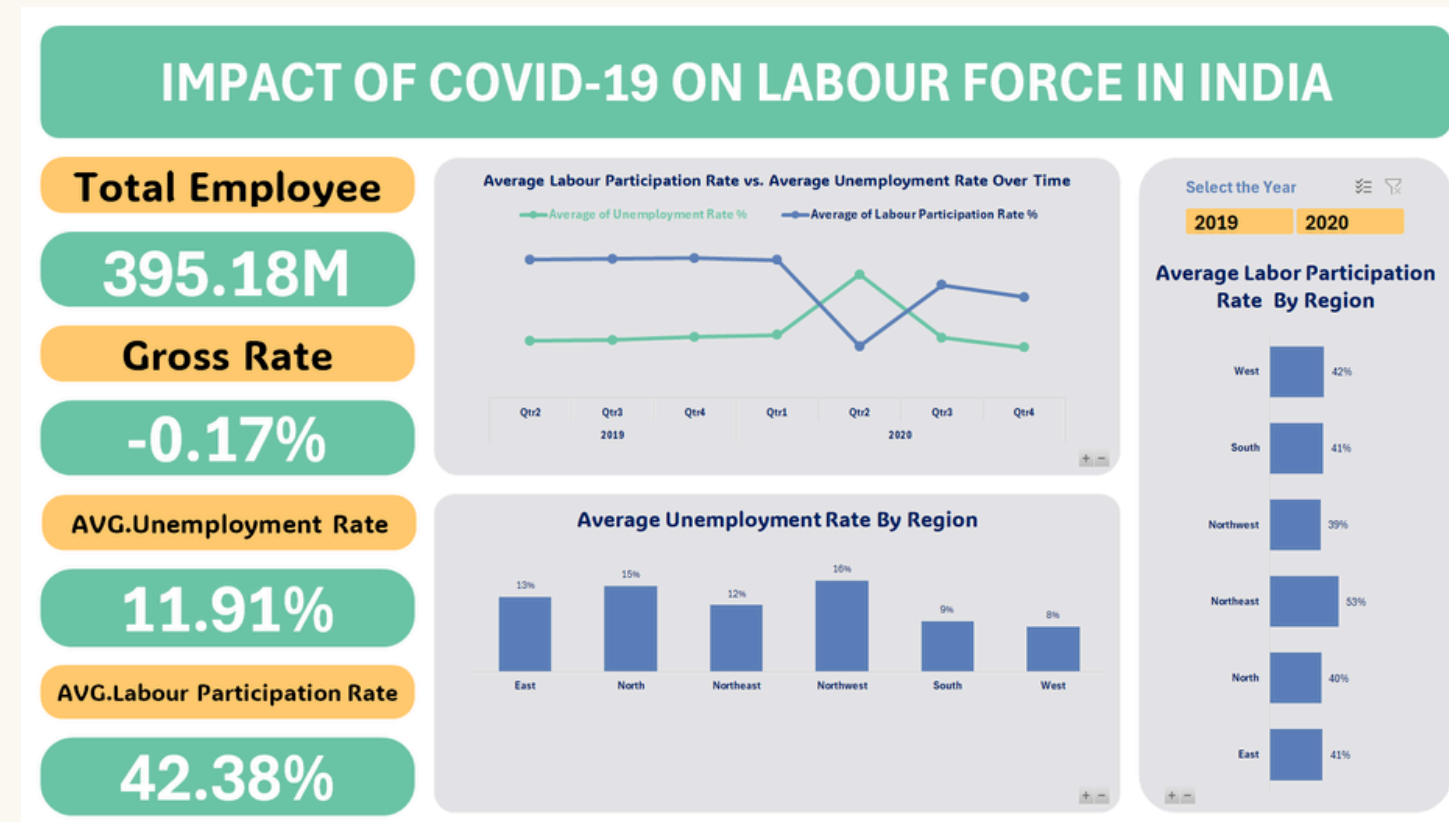


Analysing

- Analyze the growth rate in employee numbers between 2019 and 2020.
 - Compute the average labor participation rate and unemployment rate.
 - Analyze the average labor participation rate and unemployment rate over time.
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Findings

- The region with the highest average unemployment rate is the Northwest at 16%.
- The states with the highest average unemployment rate are Tripura and Haryana, both at 27%.
- The region with the lowest average unemployment rate is the West, with 8%.
- The state with the lowest average unemployment rate is Meghalaya at 5%.
- The region with the highest average labor participation rate is the Northeast, at 53%.
- The state with the highest average labor participation rate is Tripura at 61%.

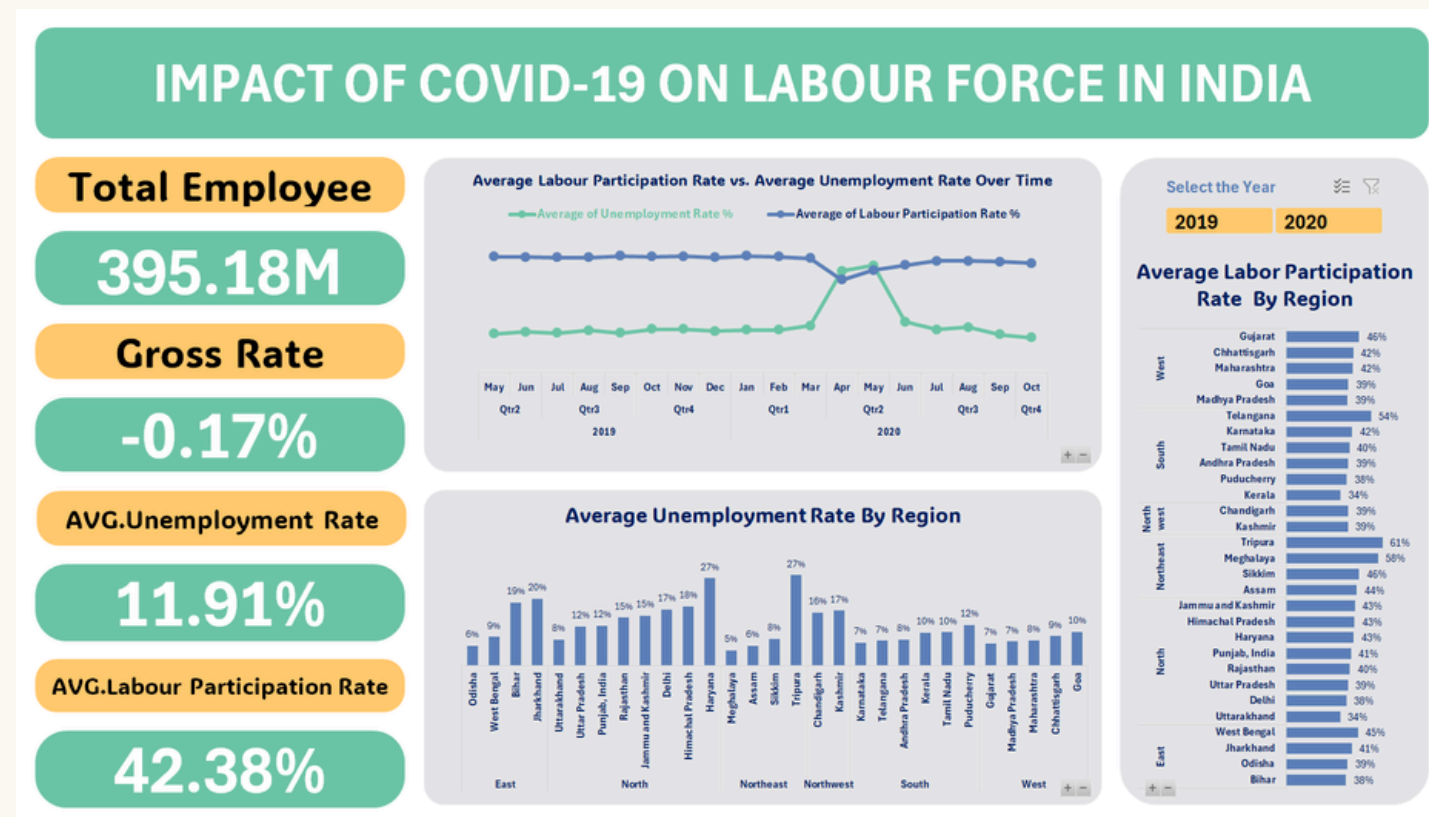


Dashboard



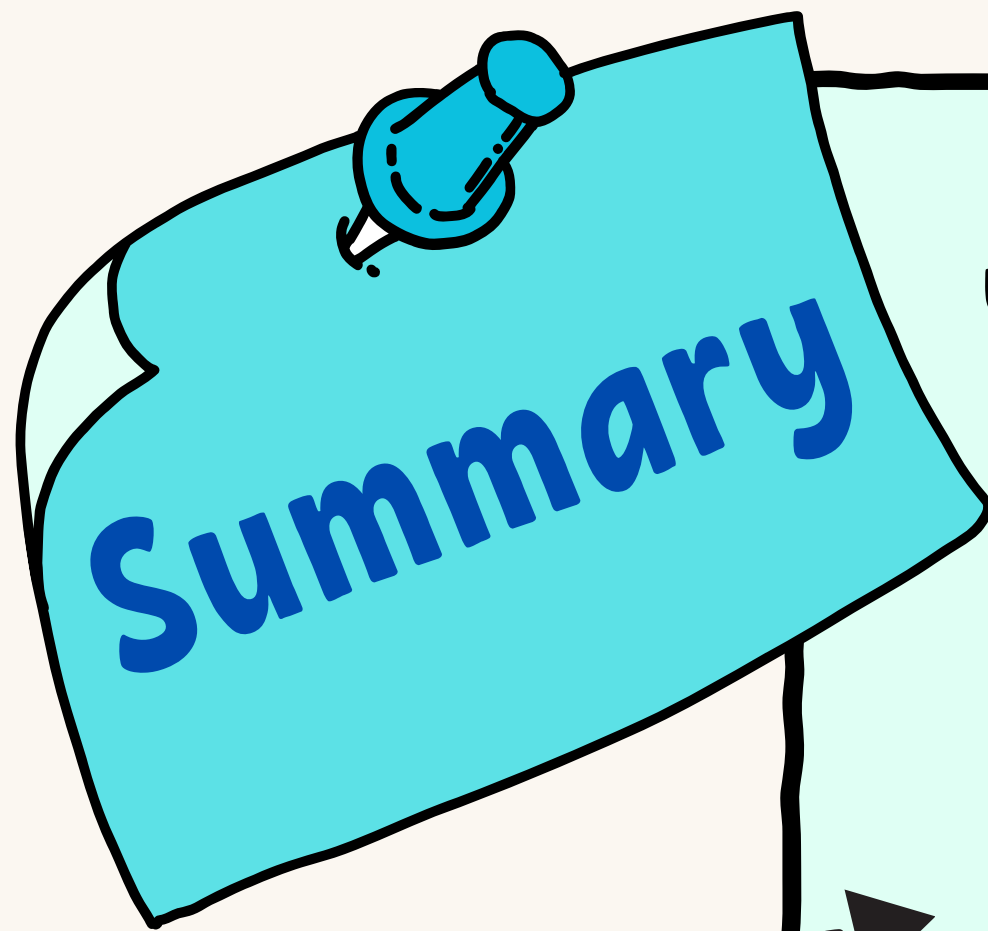
Findings

- The region with the lowest average labor participation rate is the Northwest, with 39%.
- The states with the lowest average labor participation rates are Kerala and Uttarakhand, both at 34%.
- The total number of employees in 2019 was 394.64 million.
- The total number of employees in 2020 was 393.97 million.
- The growth rate in employee numbers between 2019 and 2020 is -0.17%.
- The average labor participation rate is 42.38%.
- The average unemployment rate is 11.91%.

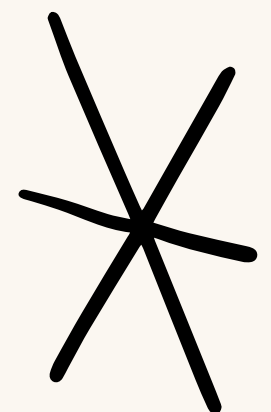
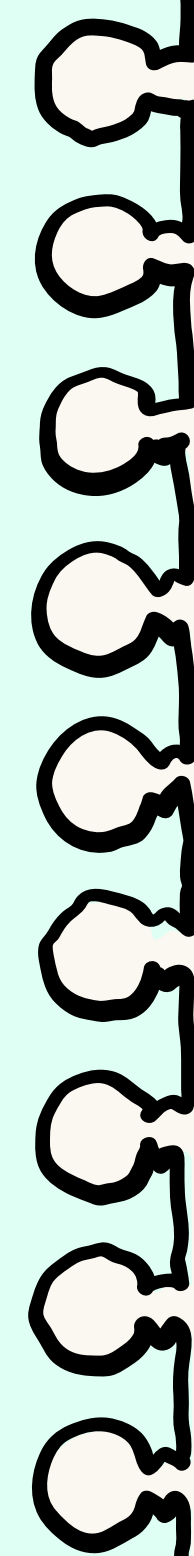


Dashboard



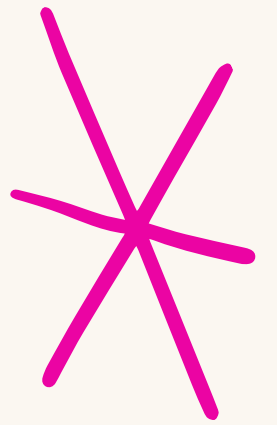


During the pandemic in 2020, the unemployment rate surged due to lockdowns, while the labor participation rate dropped, particularly in the second quarter. However, as time passed, the unemployment rate began to fall, and the labor participation rate started to recover in the third and fourth quarters. With the easing of restrictions and the resumption of economic activities, businesses reopened, leading to further reductions in unemployment and a rebound in labor participation, bringing the rates closer to pre-pandemic levels.





THANK
YOU!



Presented By Kareem Shaaban