



NREGA ANALYSIS

(National Rural Employment Guarantee Act)

- Purva Phalak.

Introduction

- The NREGA (National Rural Employment Guarantee Act) aims to enhance the livelihood security of people in rural areas by guaranteeing 100 days of wage employment in a financial year to a rural household whose adult members volunteer to do unskilled manual work.
- This project analyzes NREGA data to gain insights into job card distribution, worker participation, and expenditure patterns across various Indian states.
- By examining the data, the project aims to highlight the effectiveness and reach of the NREGA scheme, especially among marginalized communities like SC/ST and differently-abled workers.
- Understanding these patterns helps in assessing the scheme's impact on rural employment and economic stability. The insights drawn from this analysis can guide policy improvements and ensure better implementation of the NREGA scheme.

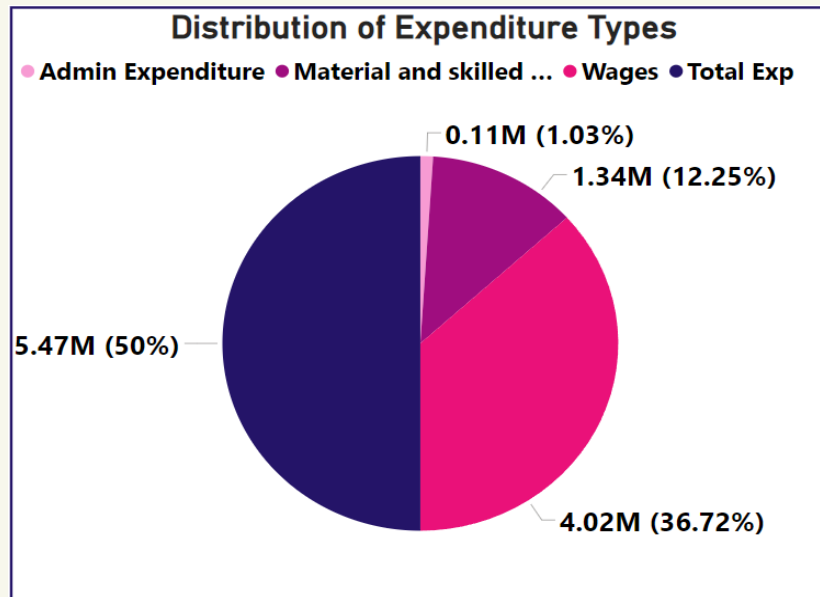
Objectives

- Analyze the distribution of job cards and active workers across states
- Understand expenditure patterns and their distribution
- Evaluate the average employment days provided per household
- Examine the inclusivity of the scheme with a focus on SC/ST and differently-abled workers
- Correlate wage rates with employment days to understand economic impact

Distribution of Expenditure Types

- The largest portion of expenditure is allocated to wages, indicating a significant investment in labor costs. Material and skilled wages, along with administrative costs, form a smaller percentage of the total expenditure.

- **Wages:** 4.02M (37%)
- **Material and Skilled Wages:** 1.34M (12.25%)
- **Admin Expenditure:** 0.11M (1.03%)
- **Total Expenditure:** 5.47M (50%)

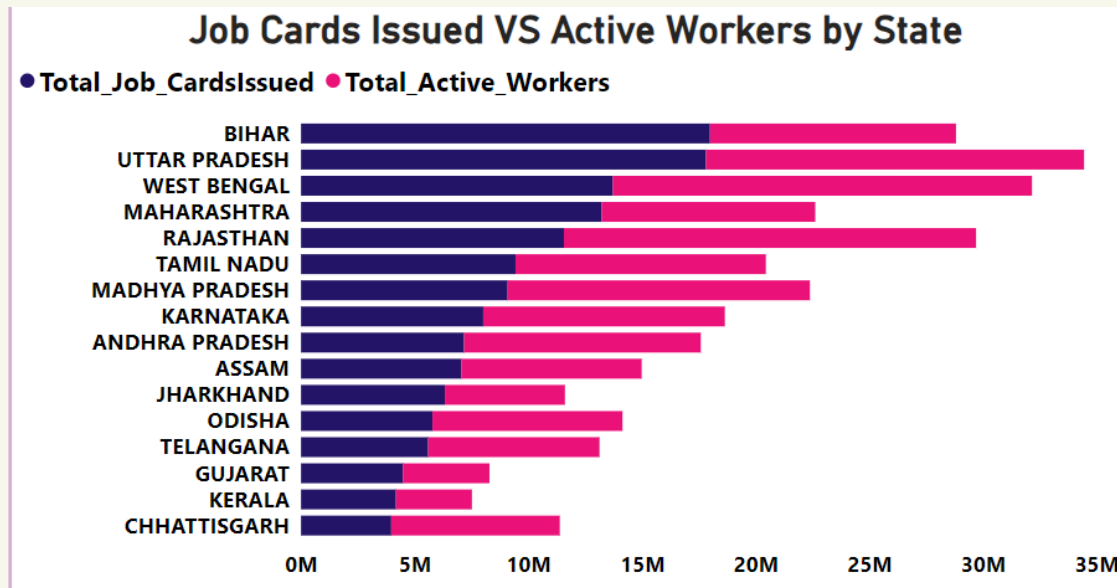


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Job Cards Issued VS Active Workers by State

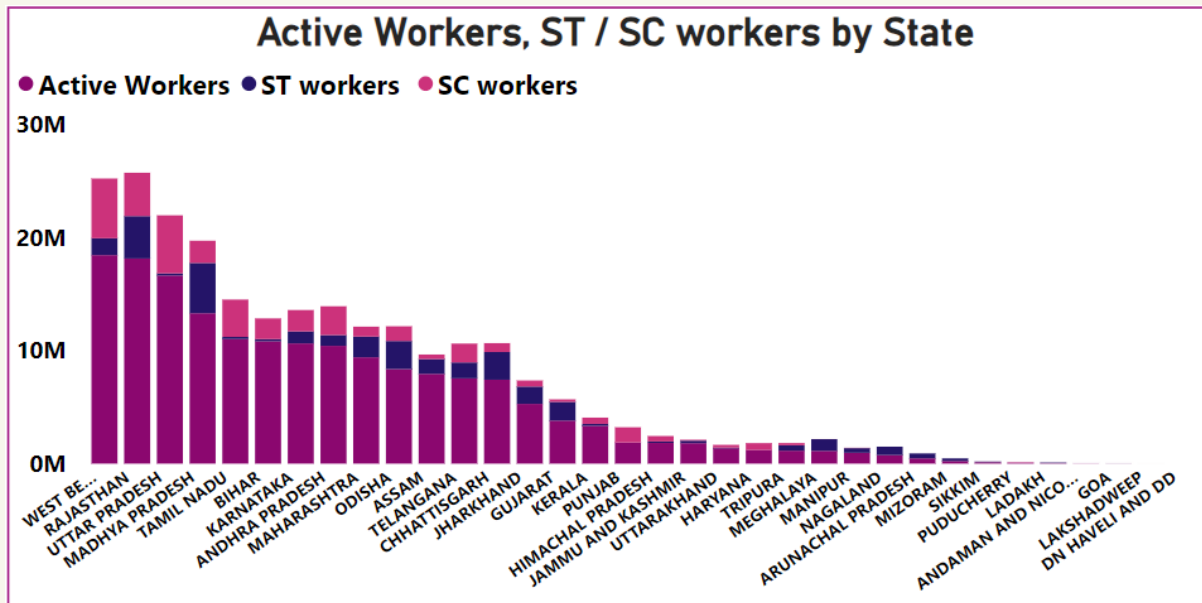
- This Stacked bar chart shows, States like Bihar, Uttar Pradesh, and West Bengal have the highest number of job cards issued and active workers.
- This suggests a high level of participation in the scheme in these states.



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Active Workers, ST/ SC workers by State

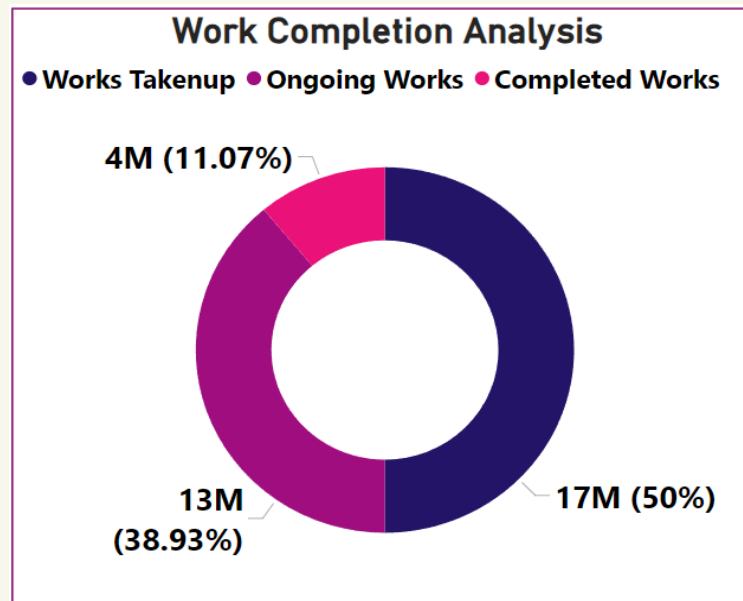
- The chart shows a detailed breakdown of active workers along with SC and ST workers in each state.
- States like Bihar and Uttar Pradesh have a higher number of active workers, including significant participation from SC and ST categories.



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Work Completion Statistics

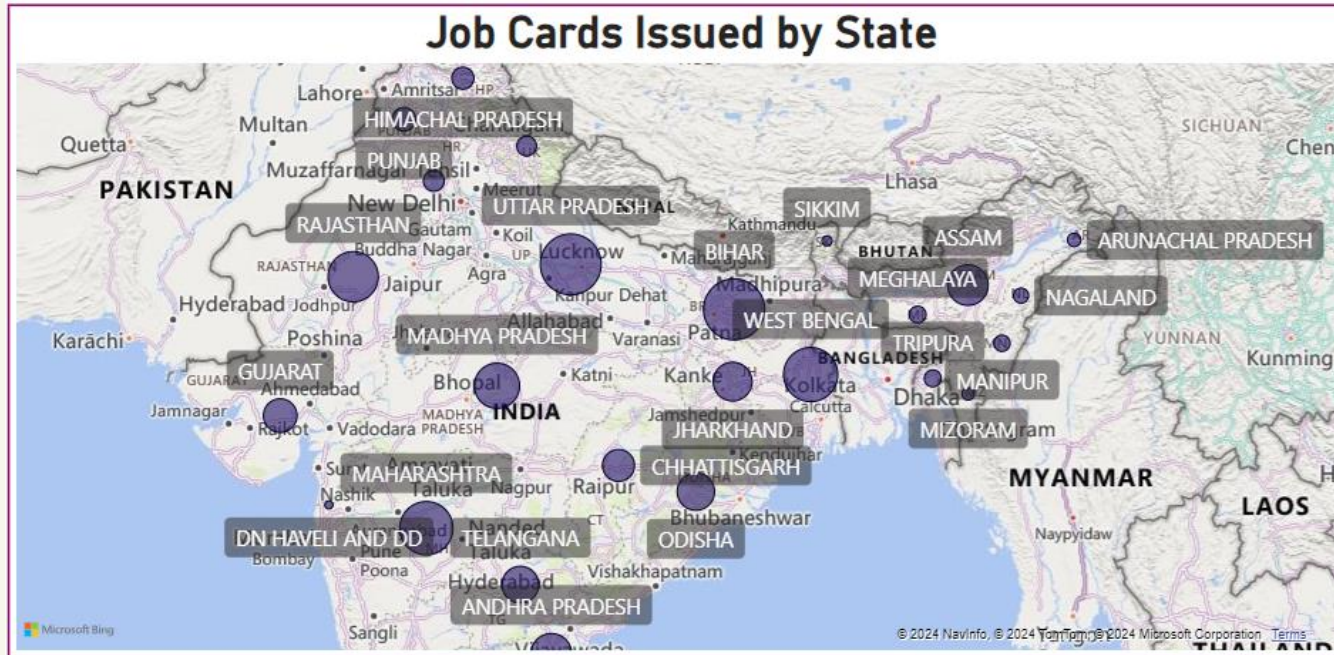
- **Works Taken Up:** 17M (50%)
- **Ongoing Works:** 13M (38.93%)
- **Completed Works:** 4M (11.07%)
- The Donus Chart shows, a significant portion of works taken up are still ongoing, while a smaller percentage has been completed.
- This indicates the progress and current status of projects under the scheme.



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Job Cards Issued by state

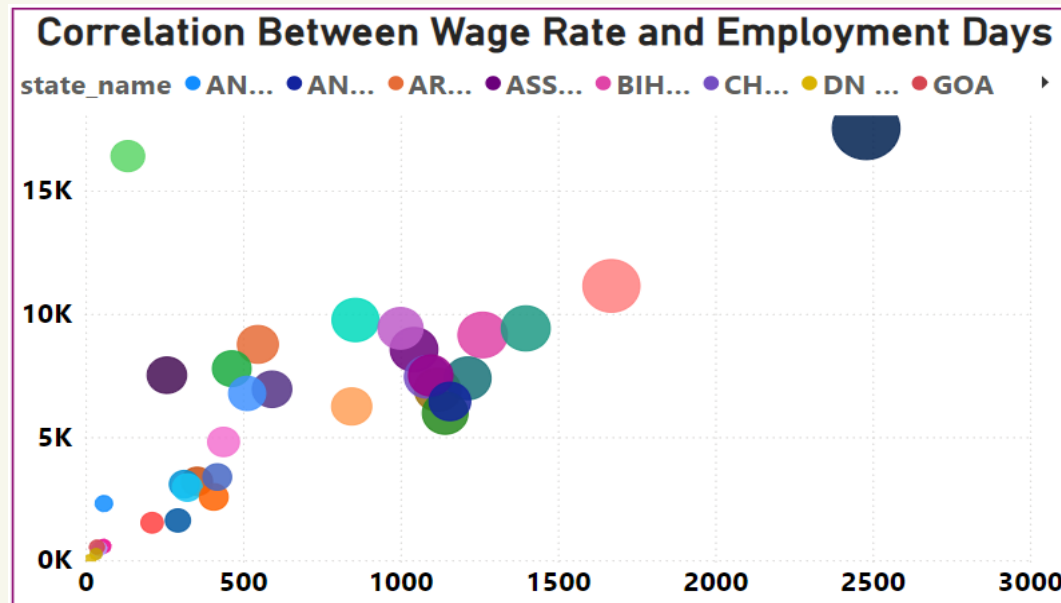
- A geographical representation of the number of job cards issued across various states.
- The map helps in visualizing the distribution and density of job card issuance throughout the country.



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Correlation Between Wage Rate and Employment Days

- The scatter plot shows the relationship between the average wage rate per day and the average number of employment days provided. Different states are represented by different colors and markers, helping in identifying trends and outliers.
- **Detailed Insights**
- **High Participation States:** States like Bihar, Uttar Pradesh, and West Bengal show high participation in terms of job cards issued and active workers. This could indicate either a higher demand for employment or better implementation of the scheme in these states.
- **Wage Rate vs Employment Days:** The correlation between wage rate and employment days can help in understanding whether higher wages are associated with more or fewer employment days. This could provide insights into the economic impact and effectiveness of the wage rate policies.

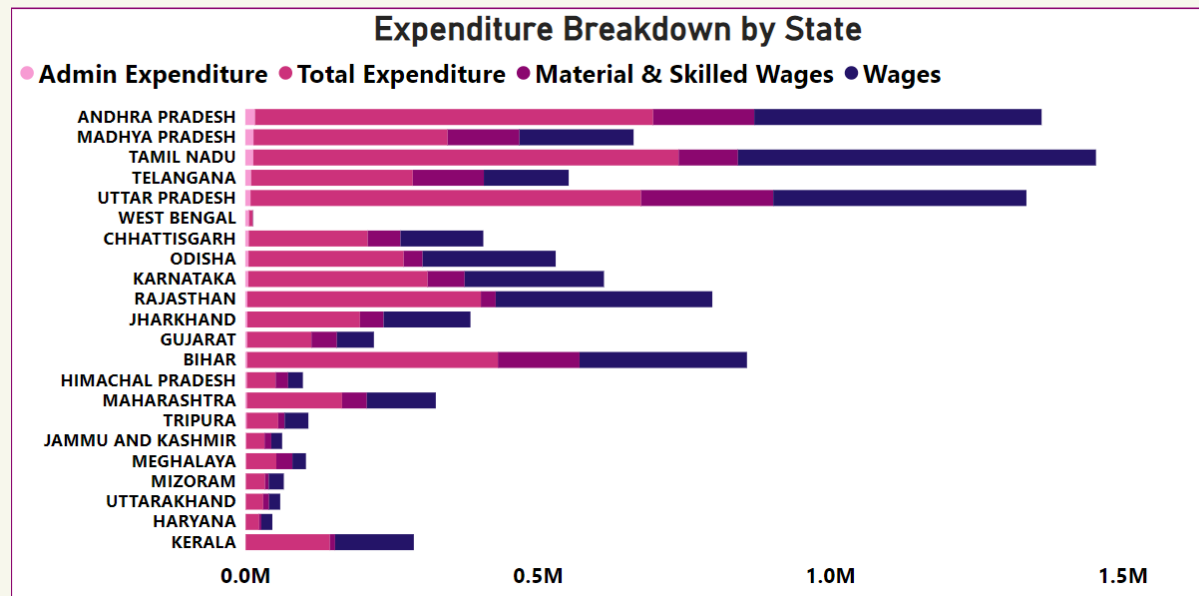


Expenditure Breakdown by State

- This chart shows the breakdown of different types of expenditure (Admin Expenditure, Total Expenditure, Material & Skilled Wages, and Wages) for each state.

- **Insight:**

- Andhra Pradesh, Madhya Pradesh, and Tamil Nadu show high expenditures, particularly in wages and material costs, indicating significant activity under the scheme.

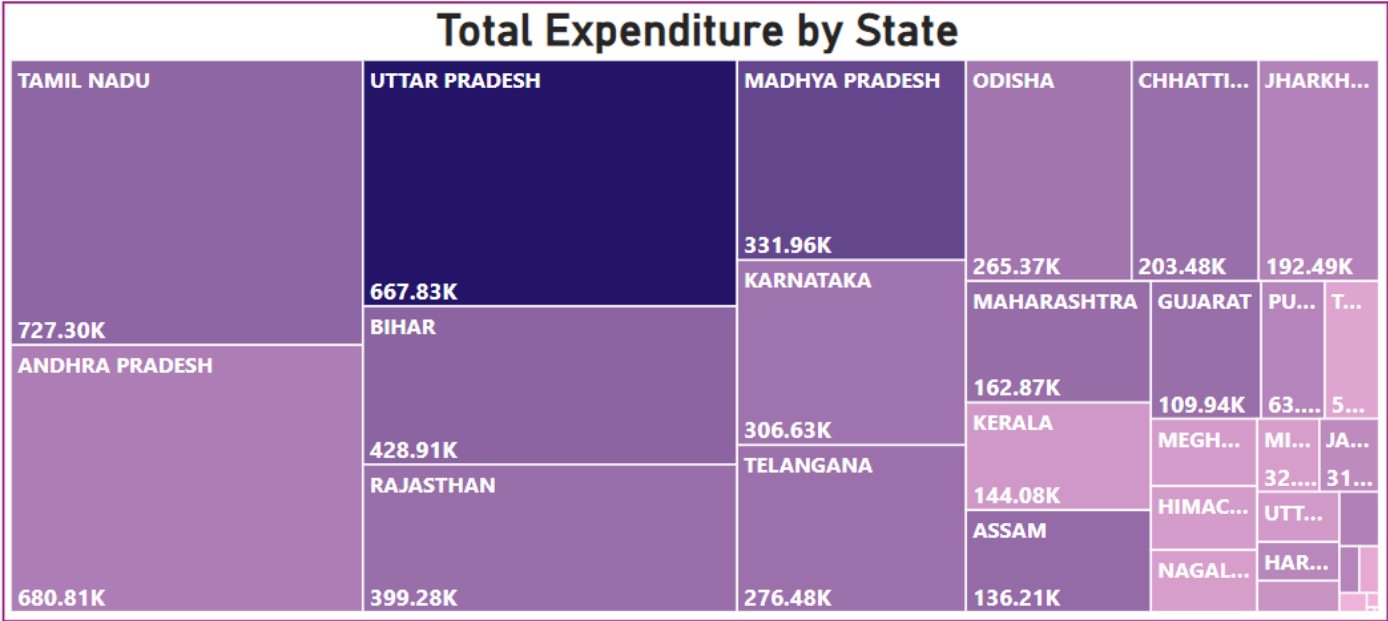


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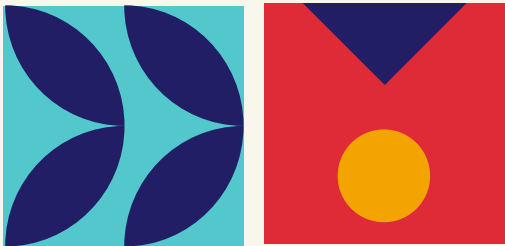


Total Expenditure by State

- This treemap visualization represents the total expenditure by state, with each block size corresponding to the expenditure amount.
- **Insight:** Uttar Pradesh, Bihar, and Tamil Nadu have the largest expenditures, suggesting higher implementation levels of the scheme in these states.



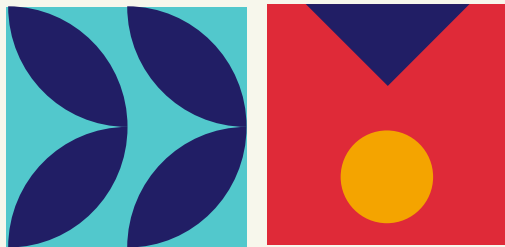
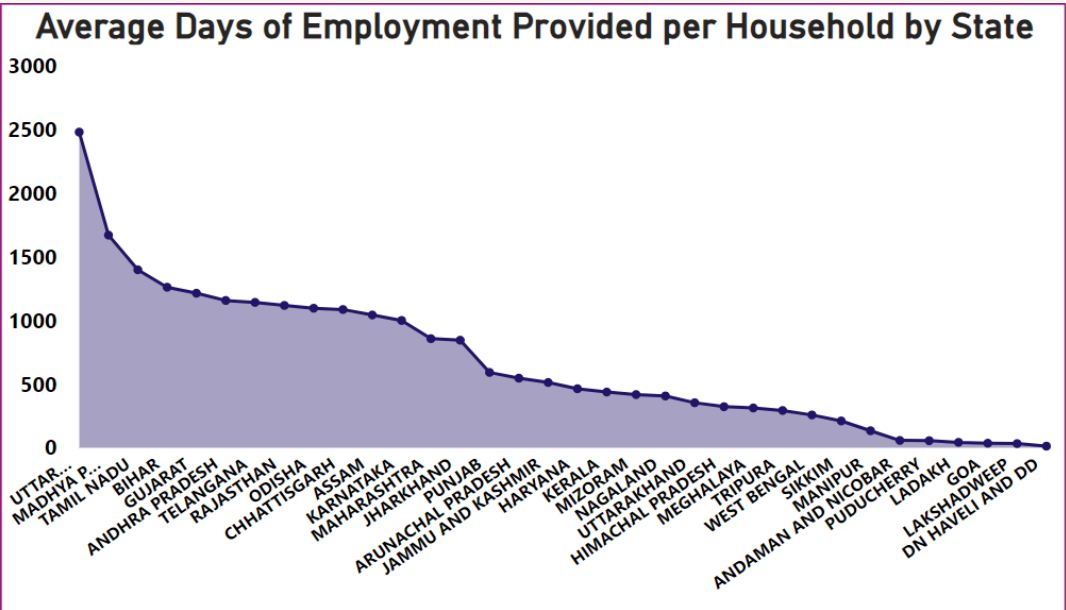
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Average Days of Employment Provided Per Household by State

- This line chart shows the average number of days of employment provided per household in each state.
- **Insight:** States like Andhra Pradesh and Rajasthan have higher average employment days, indicating better distribution of work opportunities among households.

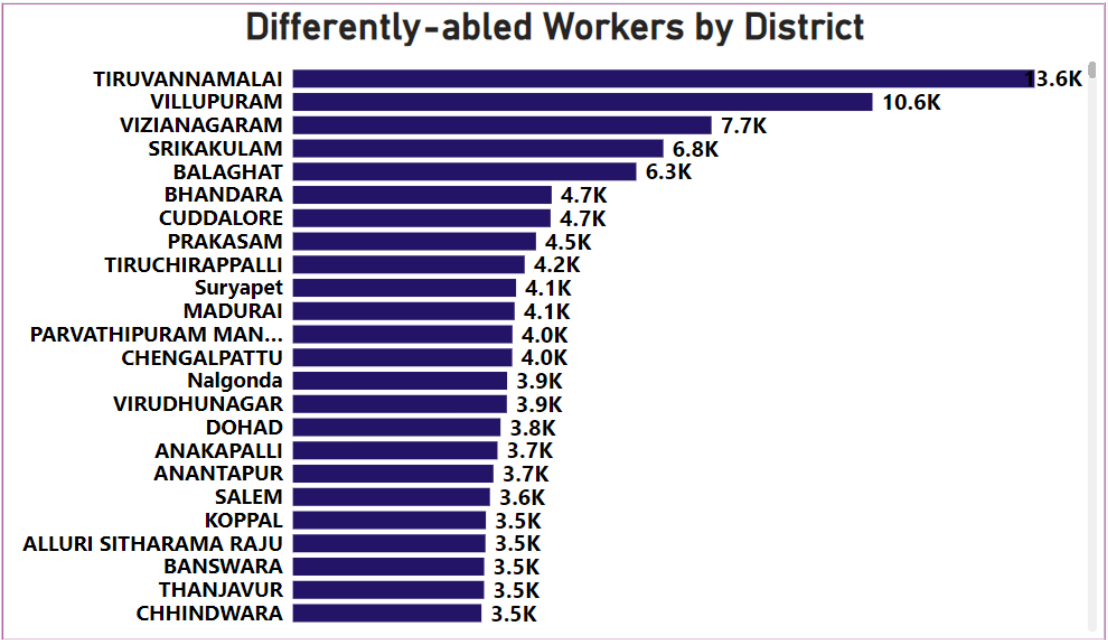


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Number Of Patients Across Various Summaries

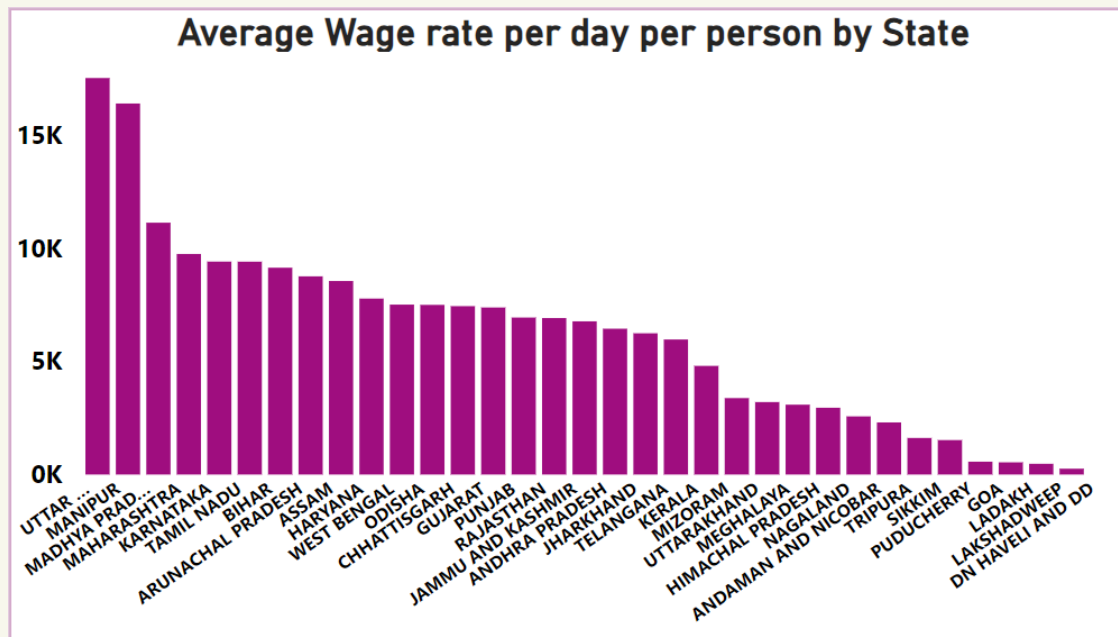
- This chart shows the number of differently-abled workers participating in the NREGA scheme by district.
- **Insight:** Districts like Tiruvannamalai and Villupuram have higher numbers of differently-abled workers, reflecting the scheme's inclusivity and reach.



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Number Of Patients Across Various Summaries

- This chart displays the average wage rate per day for each state.
- **Insight:**
 - States like Andhra Pradesh and Tamil Nadu have higher average wage rates, which might correlate with higher cost of living or more skilled labor.



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NREGA ANALYSIS

(National Rural Employment Guarantee Act)

Total Job Cards Issued

156M

Total Active Workers

175M

Total SC Workers

35M

Total ST Workers

29M

Average Employment Days per..

22.87K

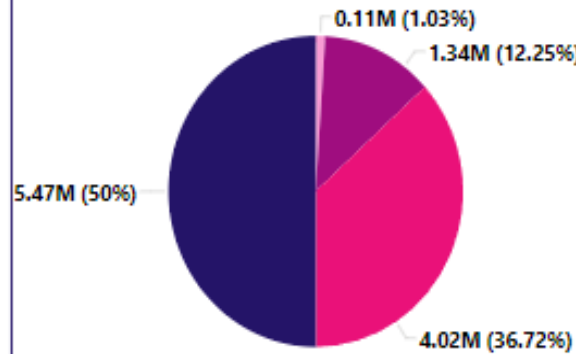
state_name

All



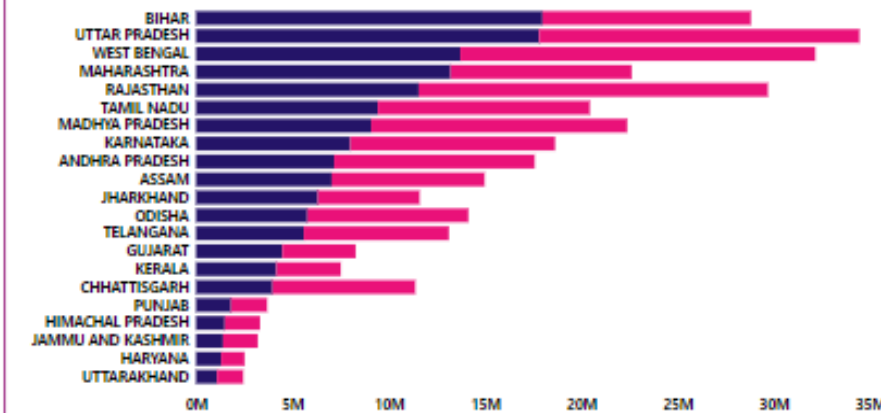
Distribution of Expenditure Types

Admin Expenditure Material and skilled ... Wages Total Exp



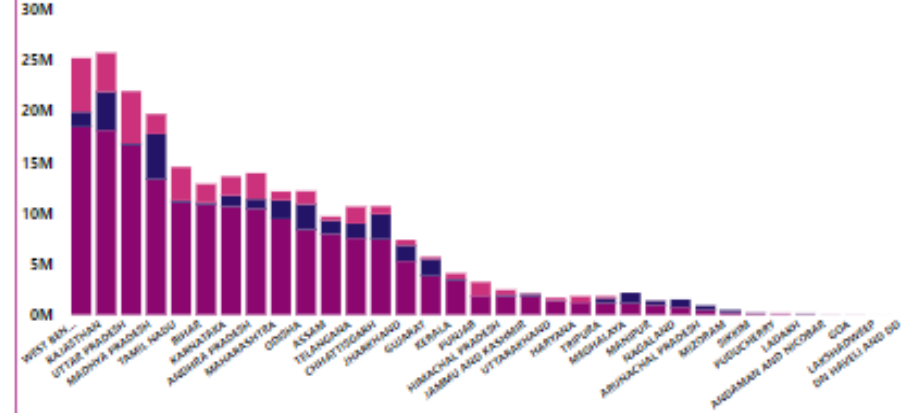
Job Cards Issued VS Active Workers by State

Total_Job_Cards_Issued Total_Active_Workers



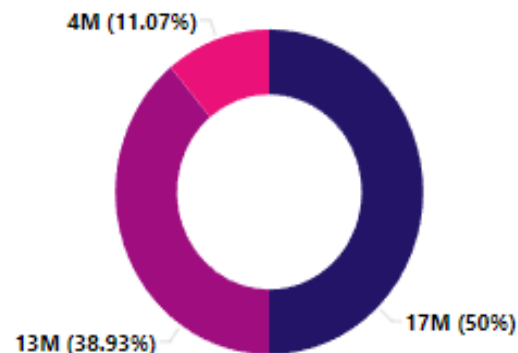
Active Workers, ST / SC workers by State

Active Workers ST workers SC workers

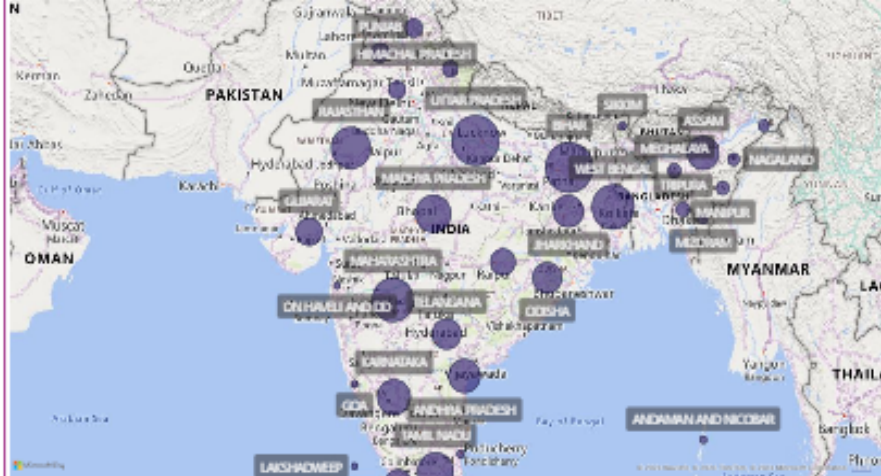


Work Completion Analysis

Works Takenup Ongoing Works Completed Works

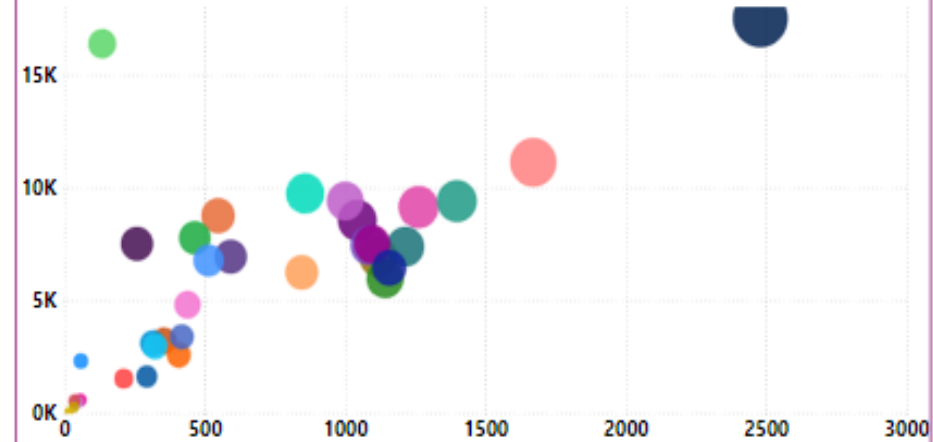


Job Cards Issued by State



Correlation Between Wage Rate and Employment Days

state_name AN... AN... AR... AS... BIH... CH... DN... GOA GU... HA... HI... JA...





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Average Employment Days per...

22.87K

Total Expenditure

5.47M

Total Wages

4.02M

Total Material & Skilled Wages

1.34M

Total Admin Expenditure

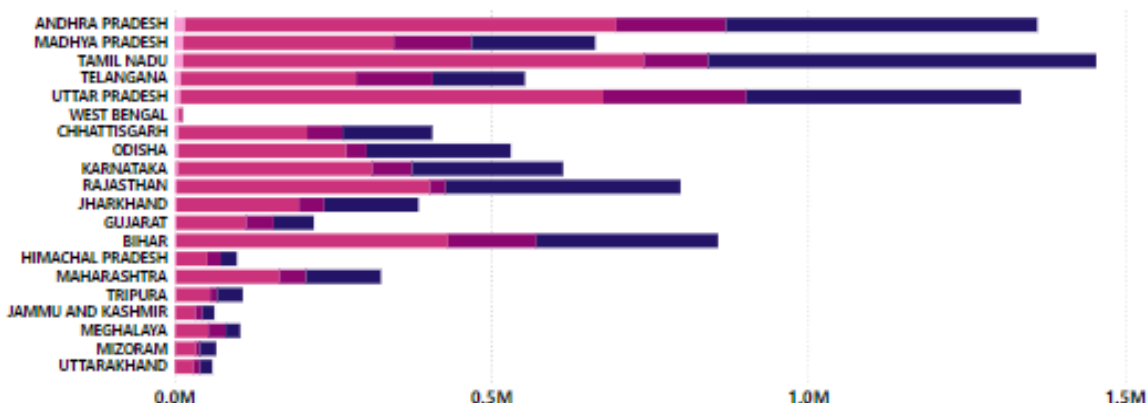
113.13K

state_name

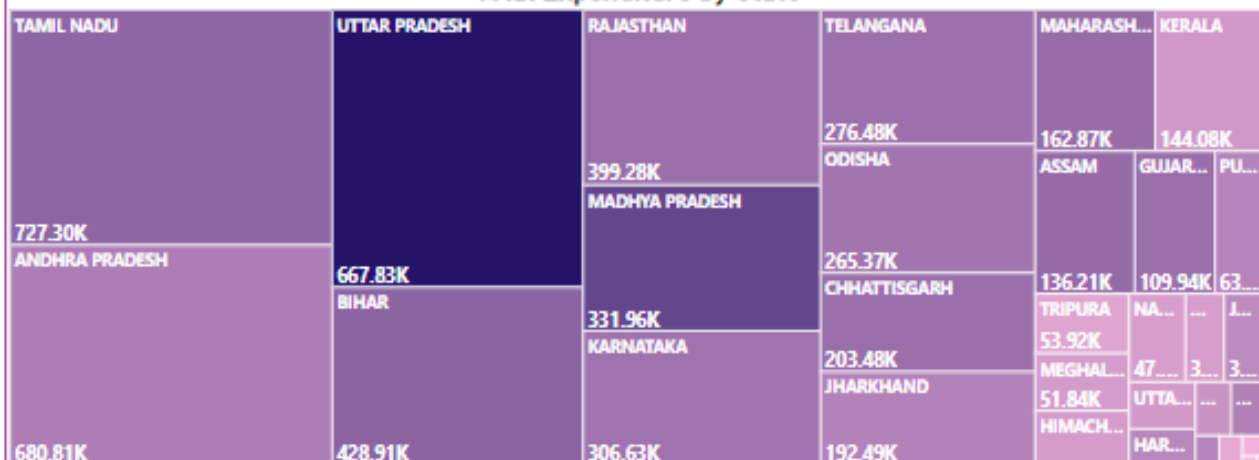
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Expenditure Breakdown by State

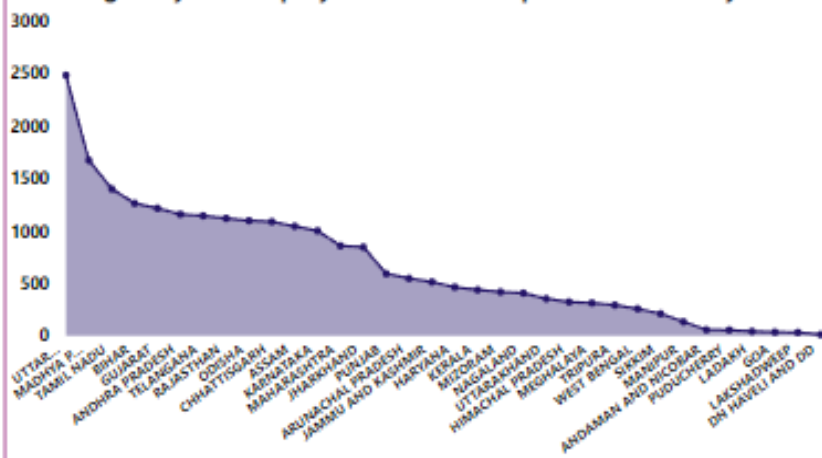
• Admin Expenditure • Total Expenditure • Material & Skilled Wages • Wages



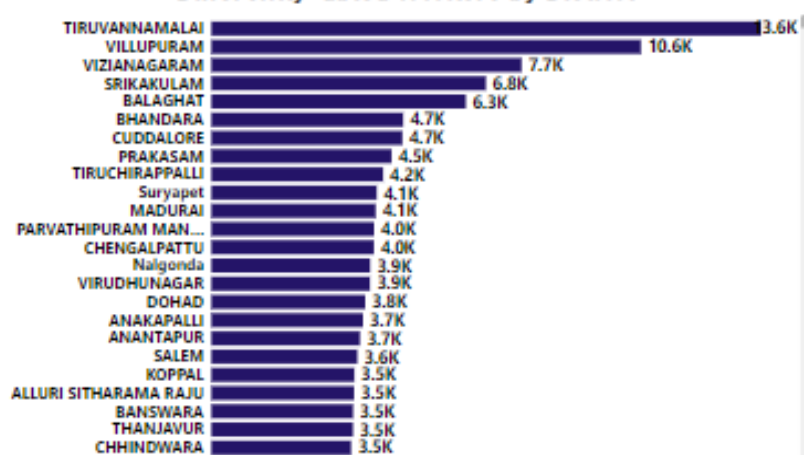
Total Expenditure by State



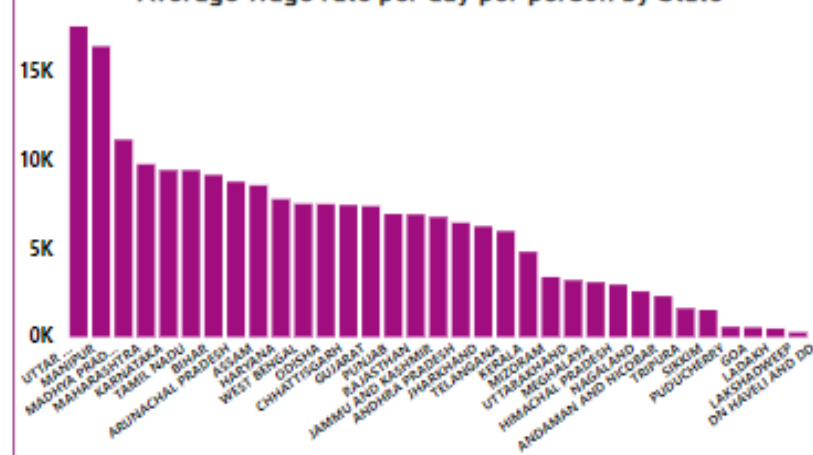
Average Days of Employment Provided per Household by State



Differently-abled Workers by District



Average Wage rate per day per person by State



Conclusion

- The NREGA analysis reveals significant insights into the distribution of job cards, active worker participation, and expenditure patterns across different states, highlighting the scheme's extensive reach and impact on rural employment.
- The data indicates that while certain states show higher engagement and expenditure, others lag, pointing to areas needing policy intervention.
- The scheme's inclusivity towards SC/ST and differently-abled workers is notable but requires continuous monitoring to ensure equitable benefits.
- Overall, NREGA plays a crucial role in enhancing rural livelihoods, and these findings can inform better-targeted strategies for its effective implementation.



Thank You !!