

Empowering The Future: A Literacy Rate Analysis For A Better Future Tomorrow

1. INTRODUCTION

PROJECT REPORT

Team ID: LTVIP2023TMID07890

Team Size: 2

Team Leader: Shaik.Mahimoon

Team Member: Kande. Varsha

Faculty Mentor: V VAMSIKRISHNA T

1.1 Overview:

To know development in a society, Literacy is another proper indicator of economic Development For purpose of census, a person in age limit of seven and above, who can both write and read with understanding in any of the language is considered as a literate in India. Literacy plays a major role in the economic development of a nation. Although India has raised its current literacy rate of 74.04% (2021) from 12% at the time of Independence in 1947, its still lag behind the world average literacy rate of 84%.

Compared with other nations, Republic of India has the largest illiterate population.

India Literacy Rate (According to 2011 Census)	
Overall	74.04%
Male	82.14%
Female	65.46%

- Majority of states in India has shown majors signs of improvement in their overall illiteracy rate thus, contributing towards a literate nation. Here we are analysing literacy rate in India for 2021.

- This dataset contains a record Literacy rate each state of India, here we are going to analyse State wise, Region wise and Overall Literacy rate among Children, Women and Men in India in India.

1.2 PURPOSE:

An empowering literacy education is one that builds on the cultural capital and funds of knowledge children bring to school with them. Conversely, Freire maintains that there exists a “pedagogy of the oppressed”—a system in which marginalized learners are given inadequate educational opportunities.

- Literacy plays a major role in the economic development of a nation. Although India has raised its current literacy rate of 74.04% (2021) from 12% at the time of Independence in 1947, it still lags behind the world average literacy rate of 84%. Compared with other nations, Republic of India has the largest illiterate population.

2. LITERATURE SURVEY:

2.1 EXISITING PROBLEM:

A problem statement is a clear and concise description of the issue or challenge that needs to be addressed. It should define the problem in a way that is understandable to stakeholders and provide a basis for developing a solution or course of action.

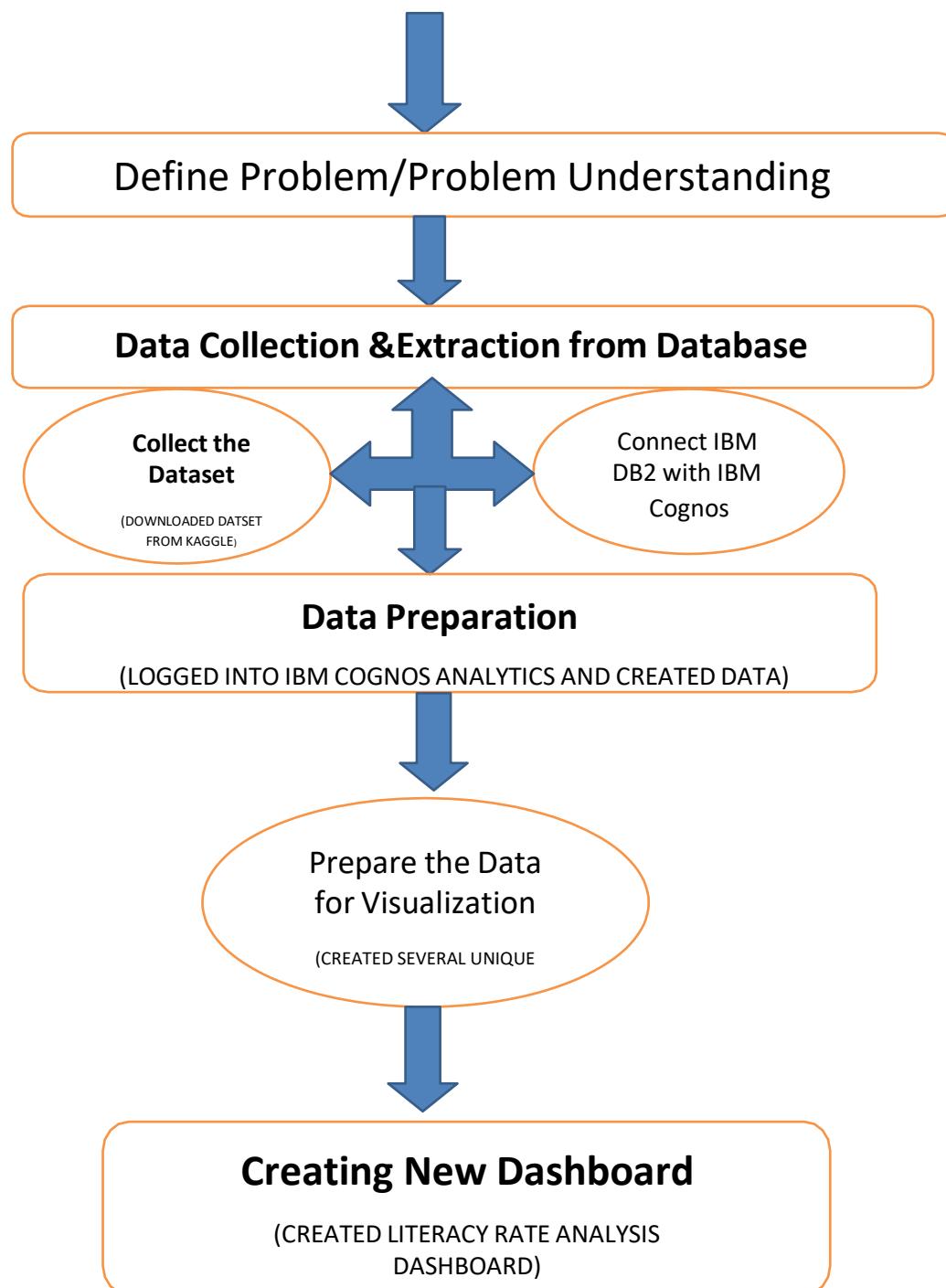
2.2 PROPOSED SOLUTION:

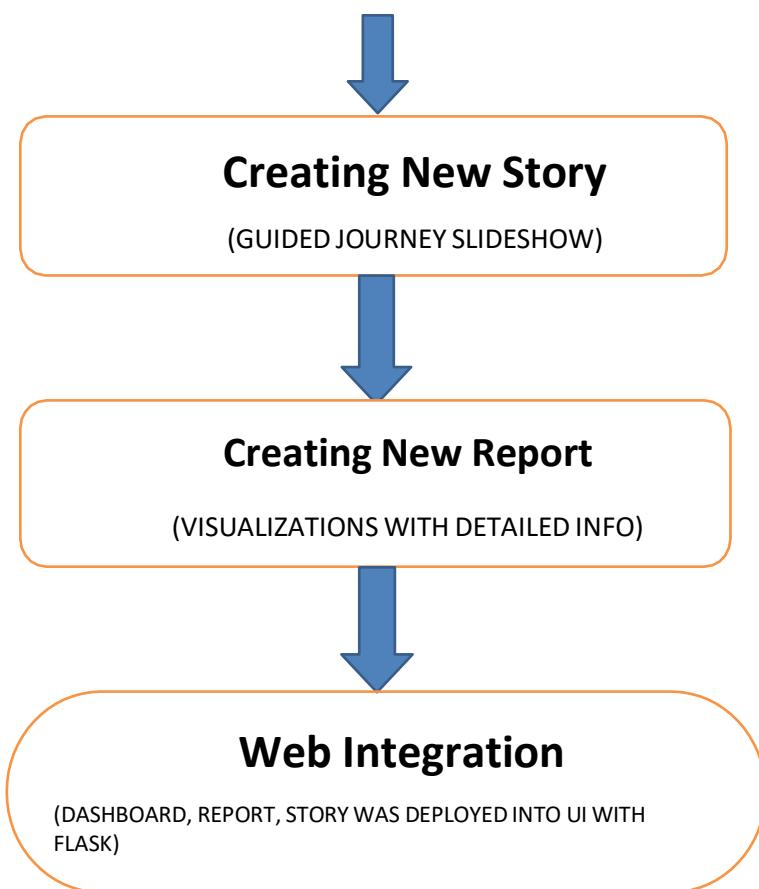
- Read aloud. Early reading can hugely benefit from collective read-alouds.
- Graphic organizers
- Encouraging students to bring their own, special experiences
- Group discussions.

3. THEORITICAL ANALYSIS:

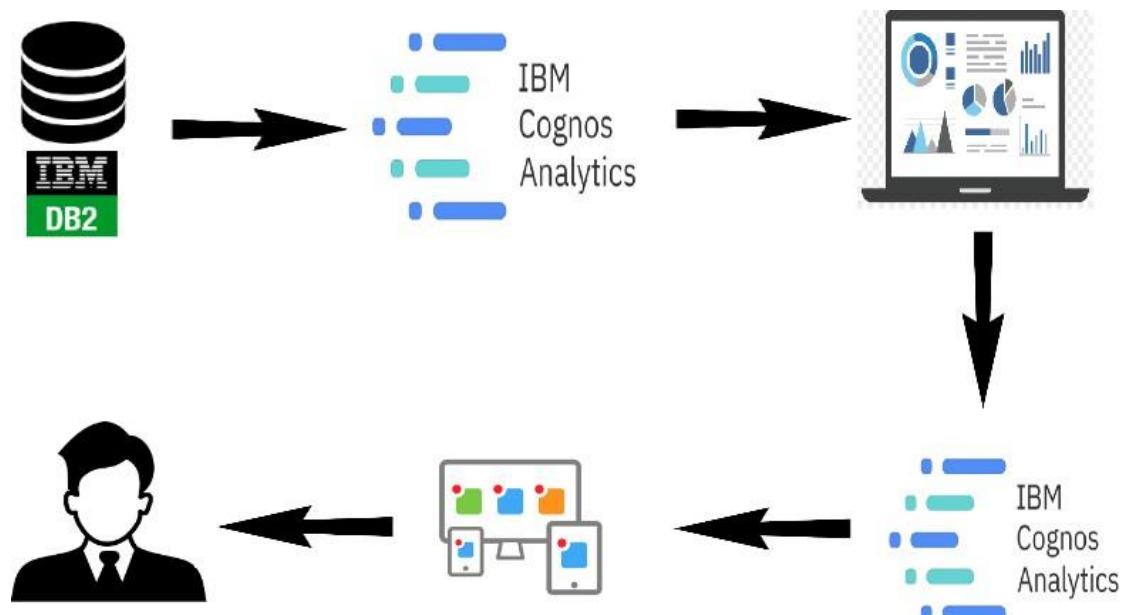
3.1 Block diagram

Empowering The Future: A Literacy Rate Analysis for better Future





TECHNICAL ARCHITECTURE:



3.1 Hardware /Software designing

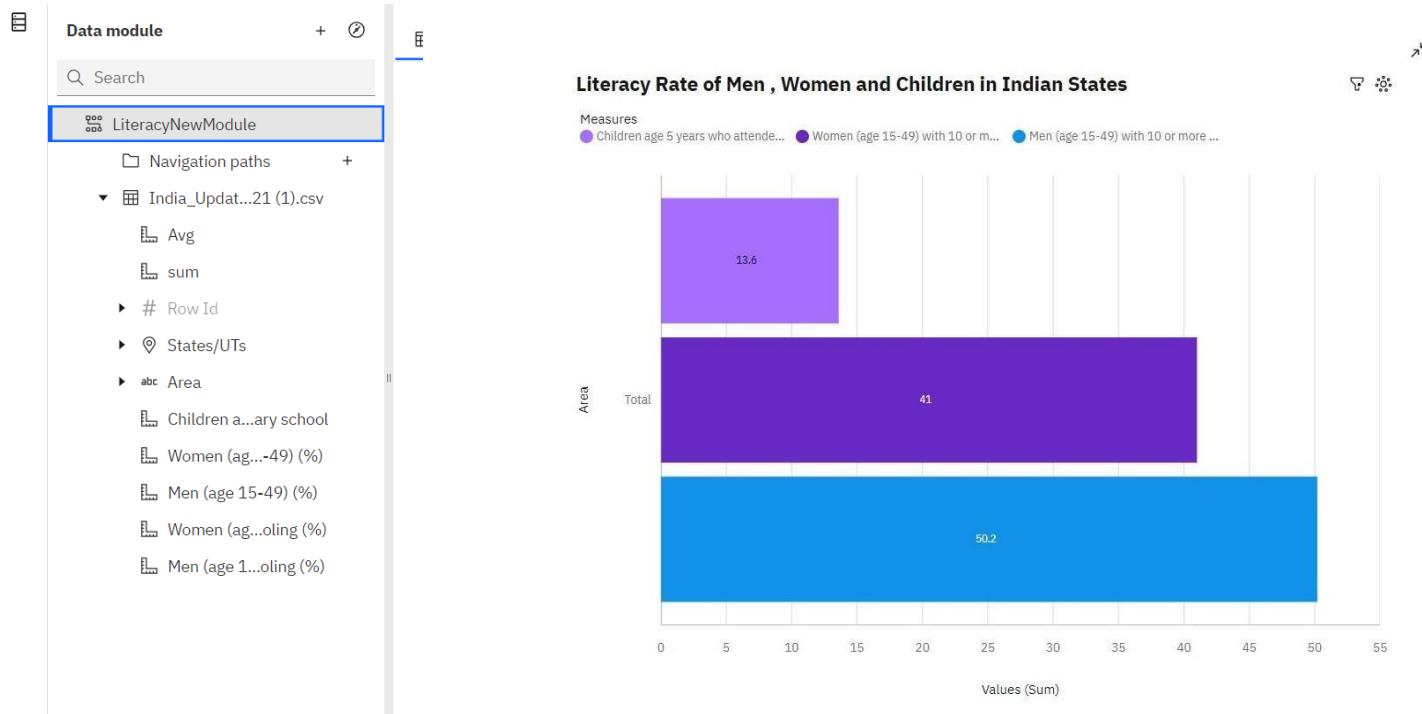
Hardware Requirements:

- Processor
- Memory (RAM)
- Storage
- Graphics Processing Unit (GPU)
- Internet Connection

Software Requirements:

- IBM Cognos analytics Tool
- Flask
- Integrated Development Environment (IDE)- Visual studio code (Bikin Template)

4.RESULT:

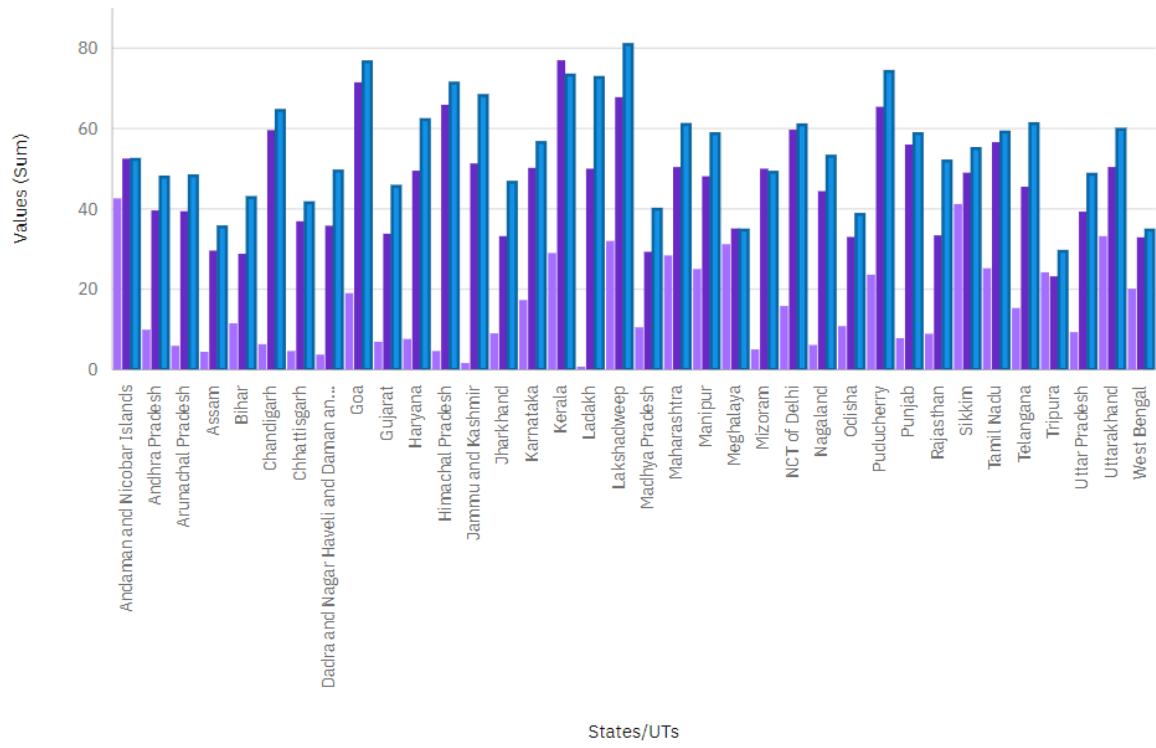


literacy Rate of men,women and children in states

1/2

Measures

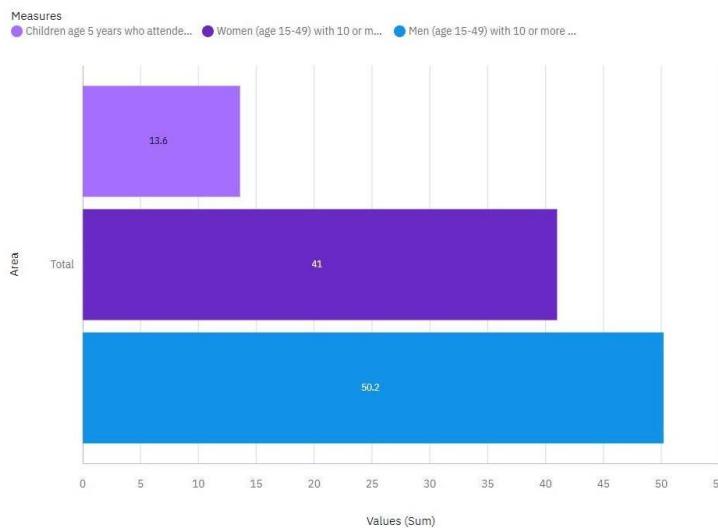
- Children age 5 years who attende...
- Women (age 15-49) with 10 or m...
- Men (age 15-49) with 10 or more ...



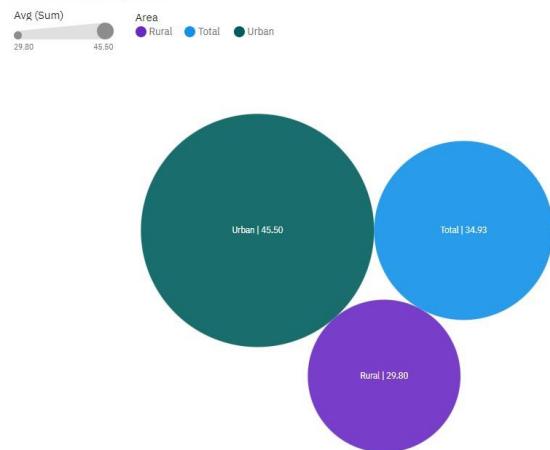
DASHBOARD

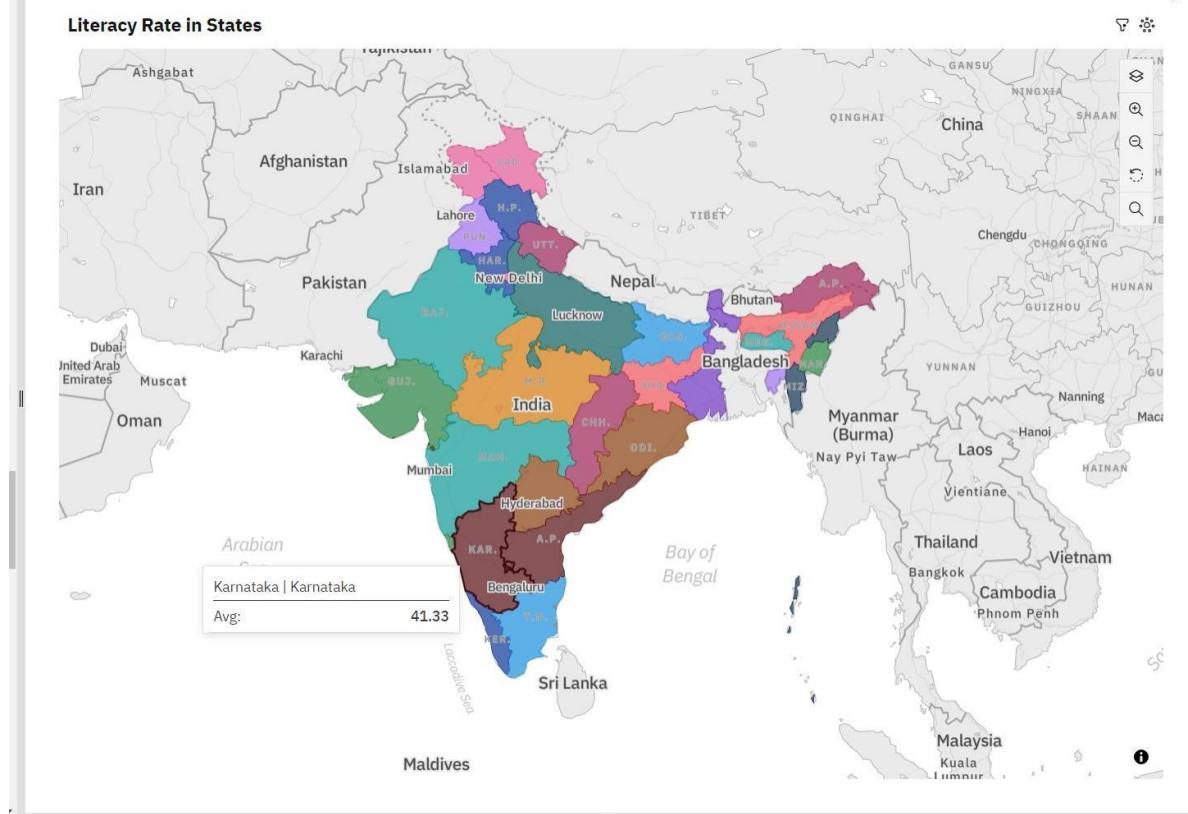


Literacy Rate of Men , Women and Children in Indian States

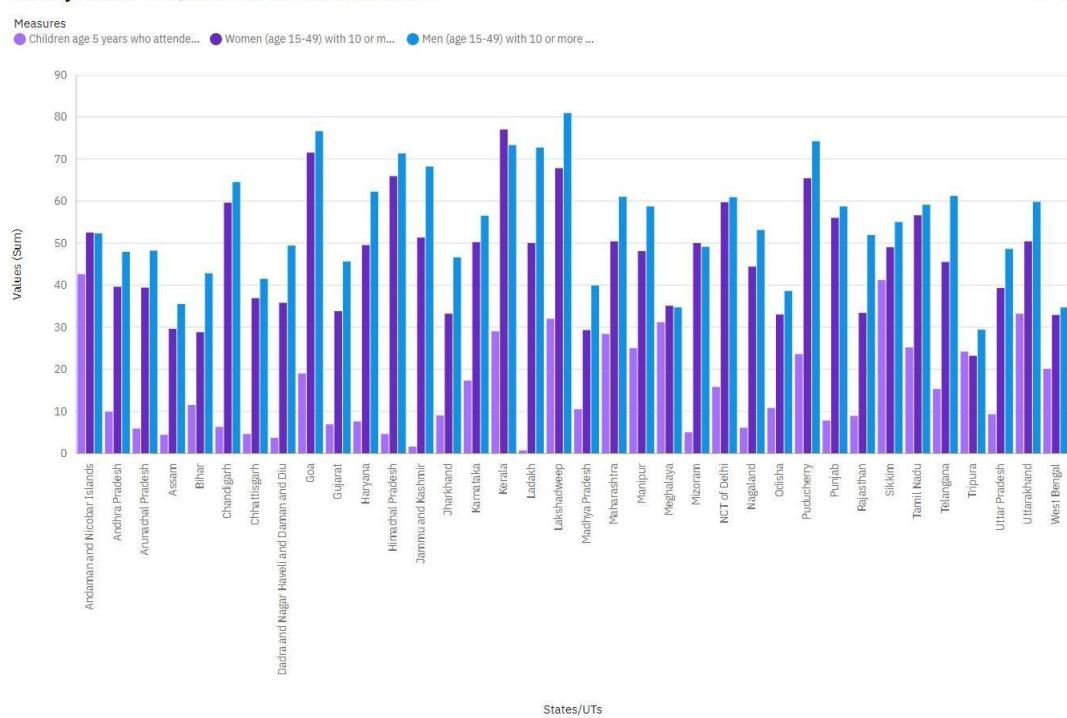


Overall Literacy Rate

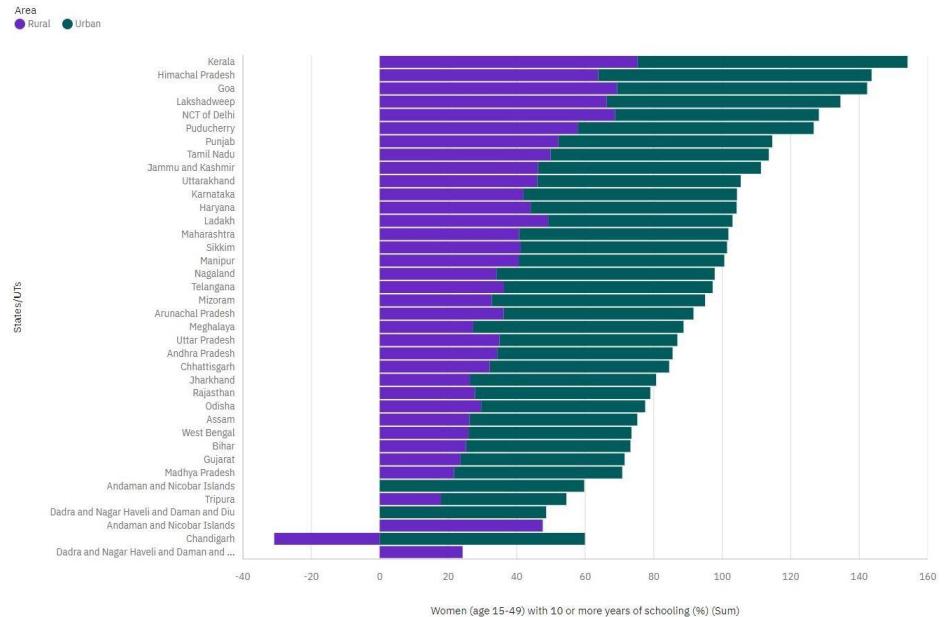




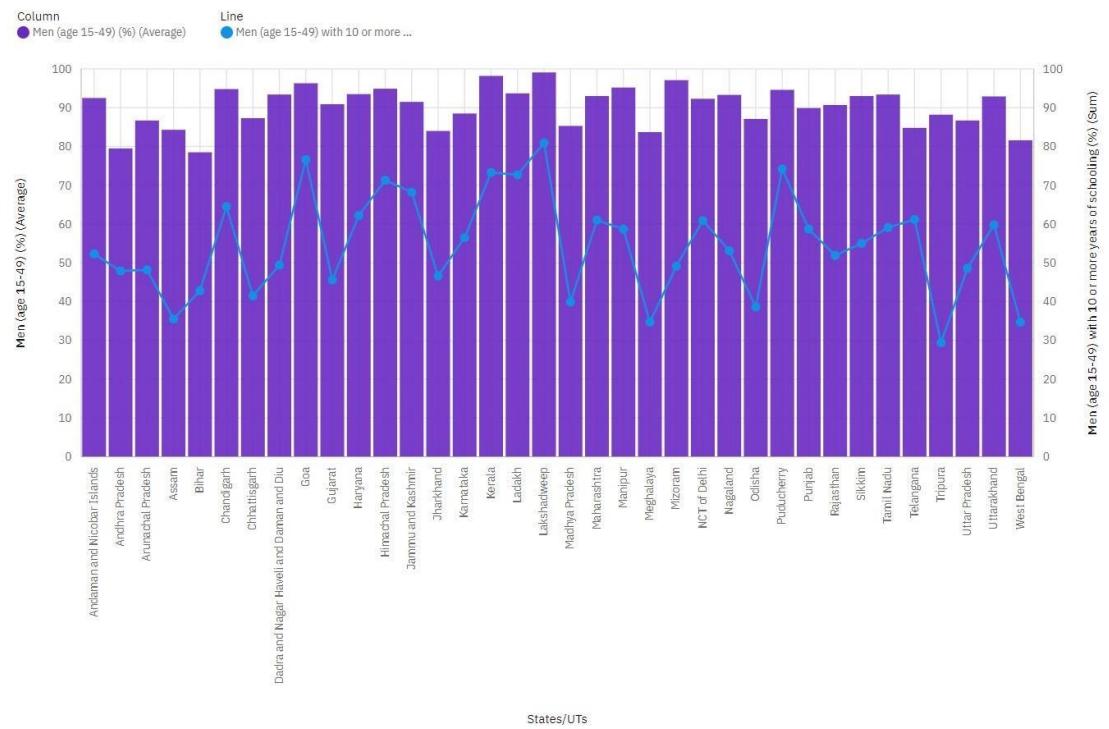
literacy Rate of men,women and children in states



Women Literacy Rate in Rural and Urban Areas



Men with Age Group 15-49 Over Those who attended Schooling



STORY

>Edit Analytics Filters

Literacy is the ability to read, write, speak, and listen in a way that lets us communicate effectively and make sense of the world

census of India pegged average literacy rate to be 73% in 2011

Literacy in India is a key for social- economic progress

Literacy involves learning enabling individual to achieve their goals to develop their knowledge and potential

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Overall Literacy Rate in India

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Literacy Rate in States

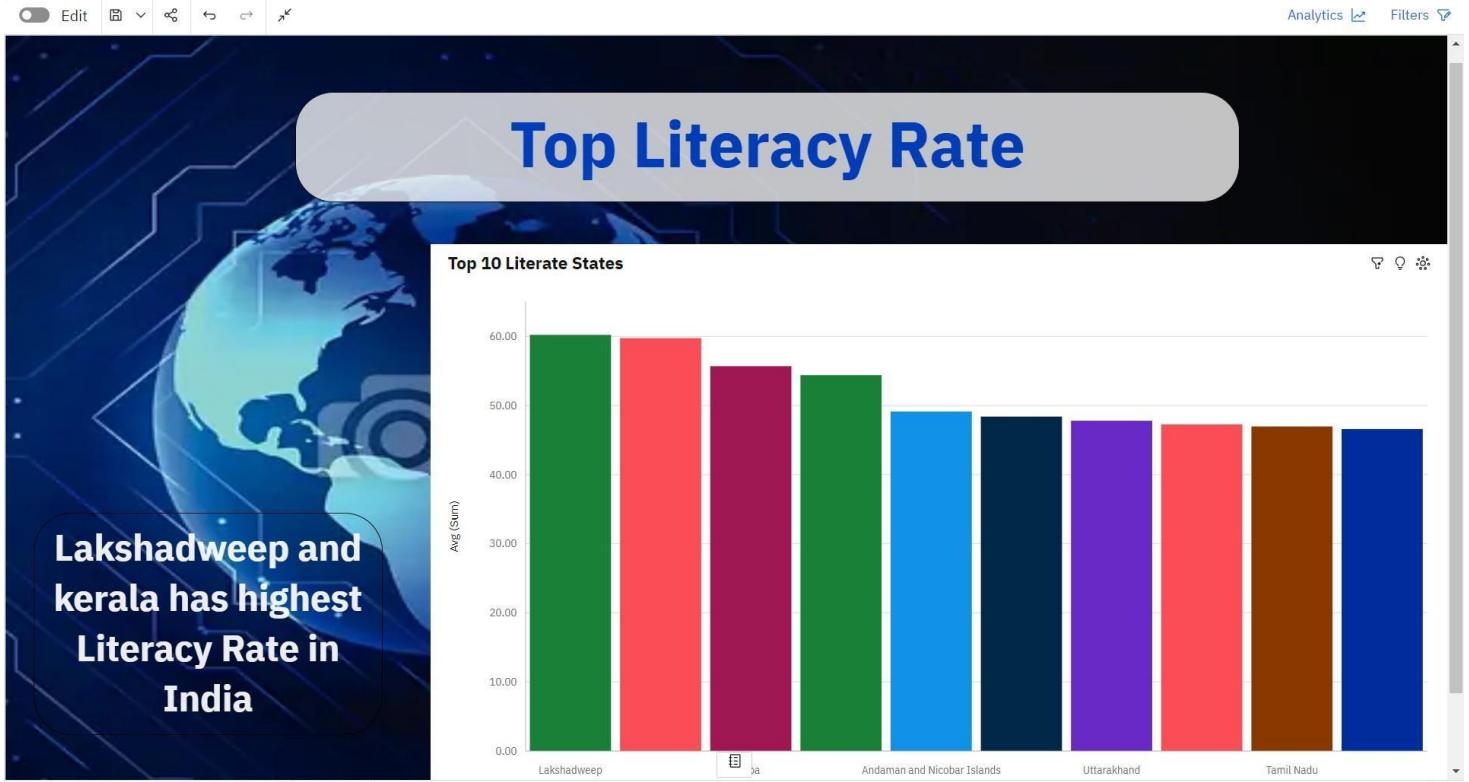
Literacy Rate of Men , Women and Children in Indian States

Measures

● Children age 5 years who attended pre-primary school
● Women (age 15-49) with 10 or more years of schooling
● Men (age 15-49) with 10 or more years of schooling

Category	Measure	Value
Total	Women (age 15-49) with 10 or more years of schooling	41
Total	Men (age 15-49) with 10 or more years of schooling	50.2
Total	Children age 5 years who attended pre-primary school	13.6

Prev scene Next scene Scene 2 of 9 0:05.0 0:05.0

A presentation slide titled "Top Literacy Rate". It features a bar chart titled "Top 10 Literate States" showing literacy rates for various Indian states. The chart has "Avg (Sum)" on the y-axis (0.00 to 60.00) and state names on the x-axis. A callout box on the left states: "Lakshadweep and kerala has highest Literacy Rate in India".

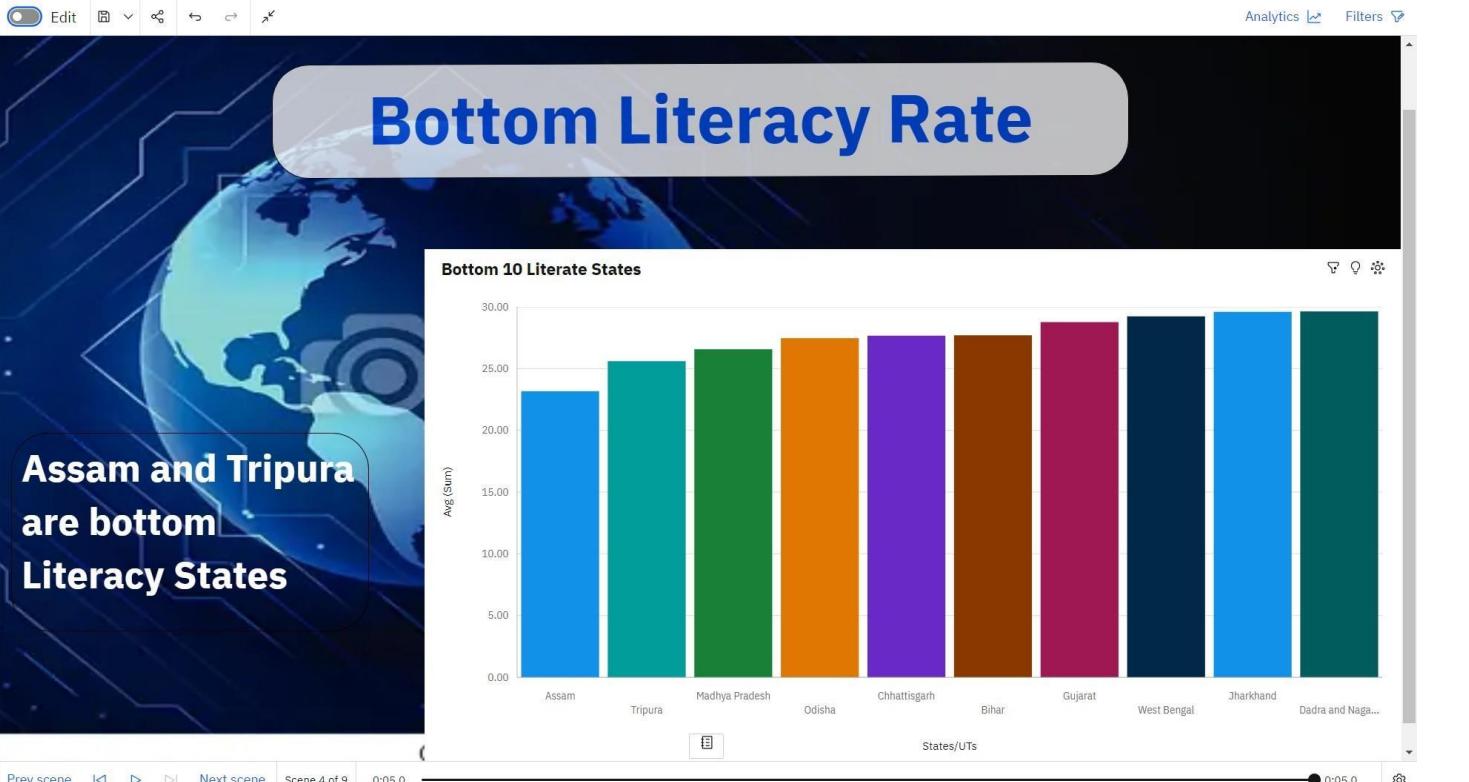
Top Literacy Rate

Top 10 Literate States

State	Avg (Sum)
Lakshadweep	60.00
Kerala	59.00
Jharkhand	56.00
Odisha	55.00
Andaman and Nicobar Islands	50.00
Bihar	49.00
Uttarakhand	48.00
Tamil Nadu	48.00
Gujarat	47.00
West Bengal	47.00

Lakshadweep and kerala has highest Literacy Rate in India

Prev scene | Next scene | Scene 3 of 9 | 0:05.0

A presentation slide titled "Bottom Literacy Rate". It features a bar chart titled "Bottom 10 Literate States" showing literacy rates for various Indian states. The chart has "Avg (Sum)" on the y-axis (0.00 to 30.00) and state names on the x-axis. A callout box on the left states: "Assam and Tripura are bottom Literacy States".

Bottom Literacy Rate

Bottom 10 Literate States

State	Avg (Sum)
Assam	23.00
Tripura	25.00
Madhya Pradesh	26.00
Odisha	27.00
Chhattisgarh	27.00
Bihar	27.00
Gujarat	28.00
West Bengal	28.00
Jharkhand	29.00
Dadra and Nagar Haveli	29.00

Assam and Tripura are bottom Literacy States

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Region Wise Children Literacy Rate

Uttrakhand and Meghalaya are states with highest children literate rate

Children Literacy Rate

Area
● Rural ● Urban

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Region Wise Women Literacy Rate

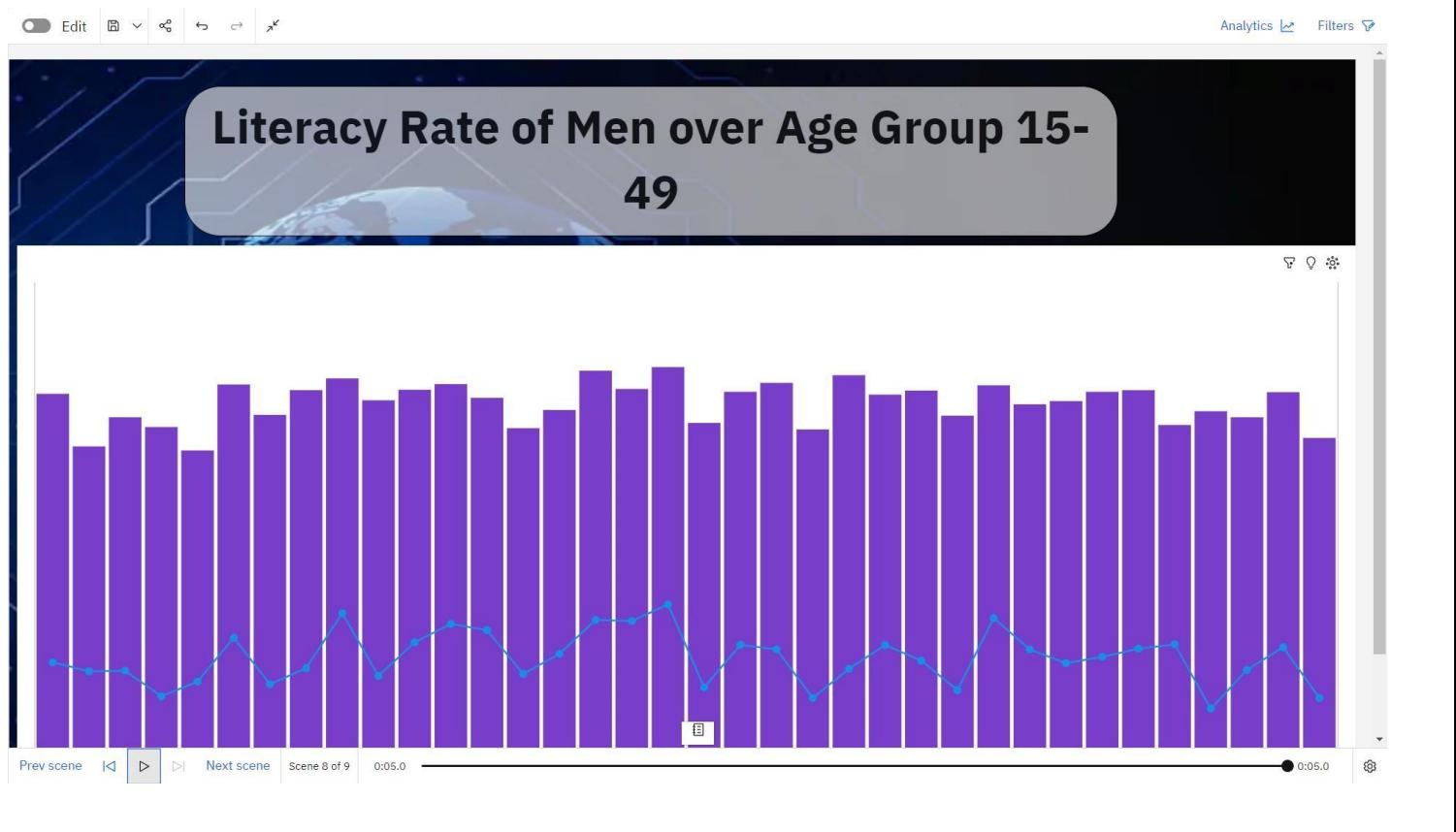
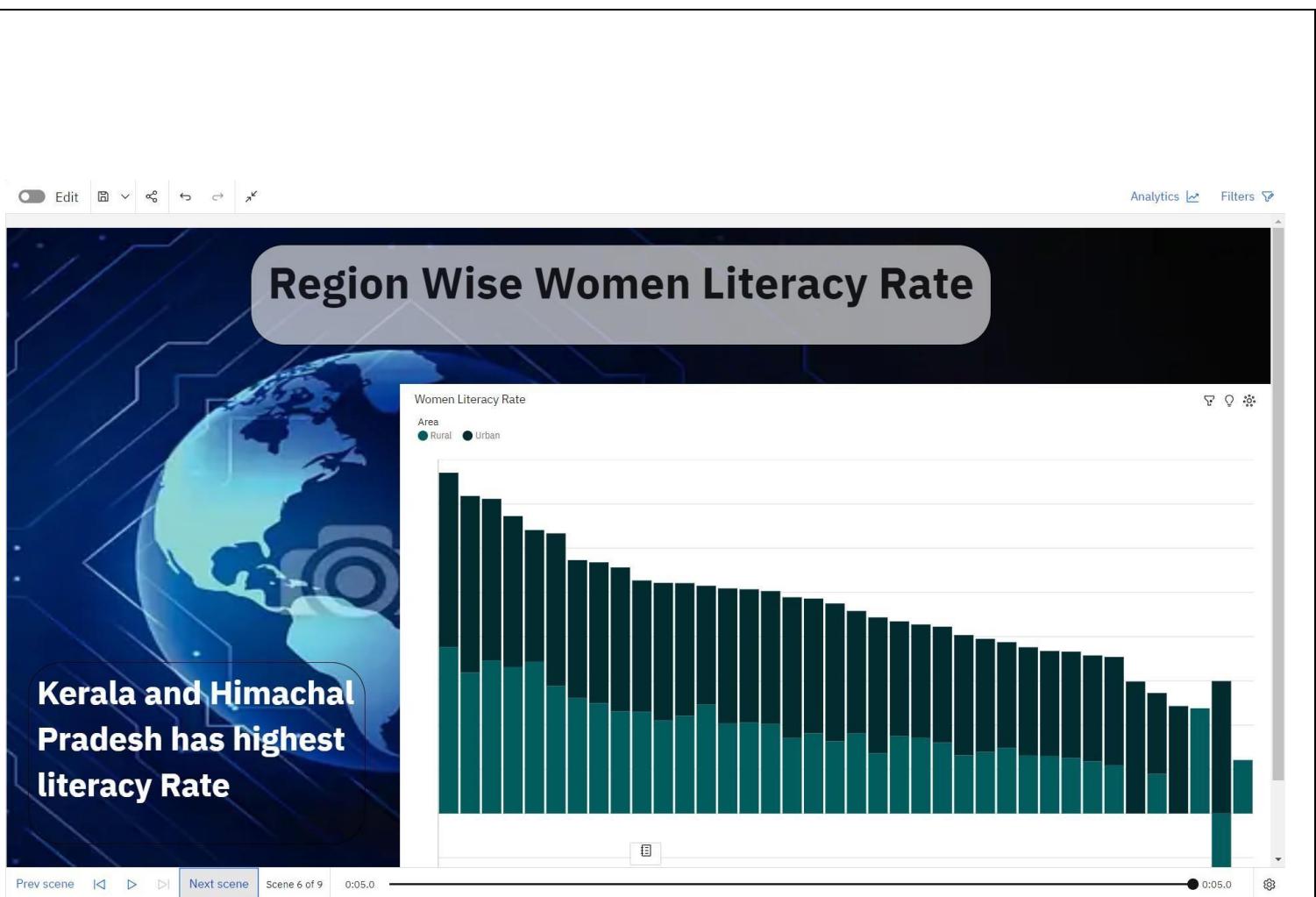
Kerala and Himachal Pradesh has highest literacy Rate

Women Literacy Rate

Area
● Rural ● Urban

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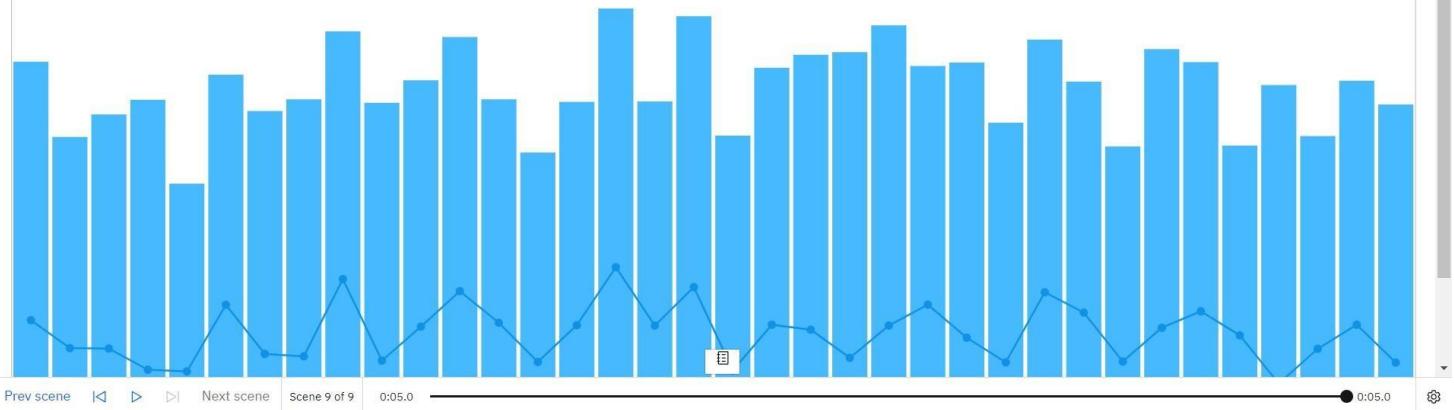
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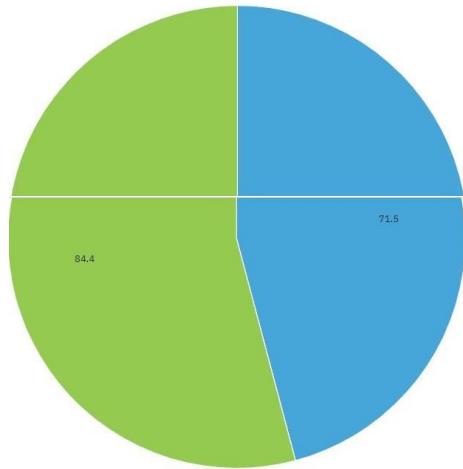
Literacy Rate of Women over Age Group 15-49



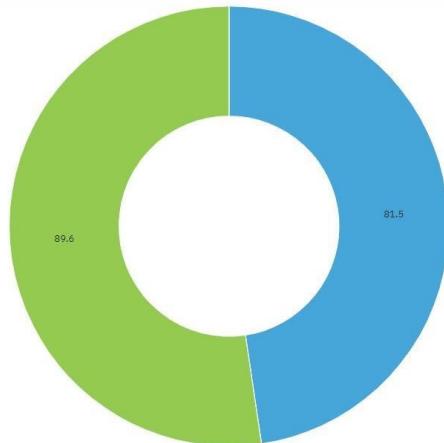
REPORT

Literacy Rate Analysis for Year 2021

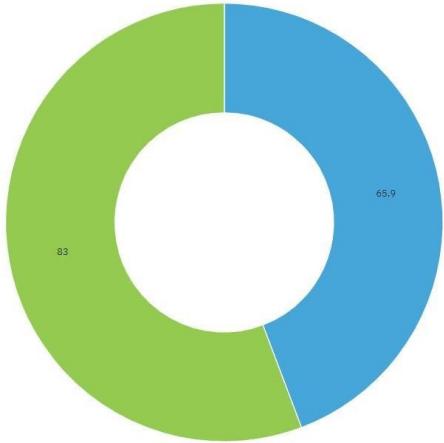
Total Men and Women in Age Group 15-49

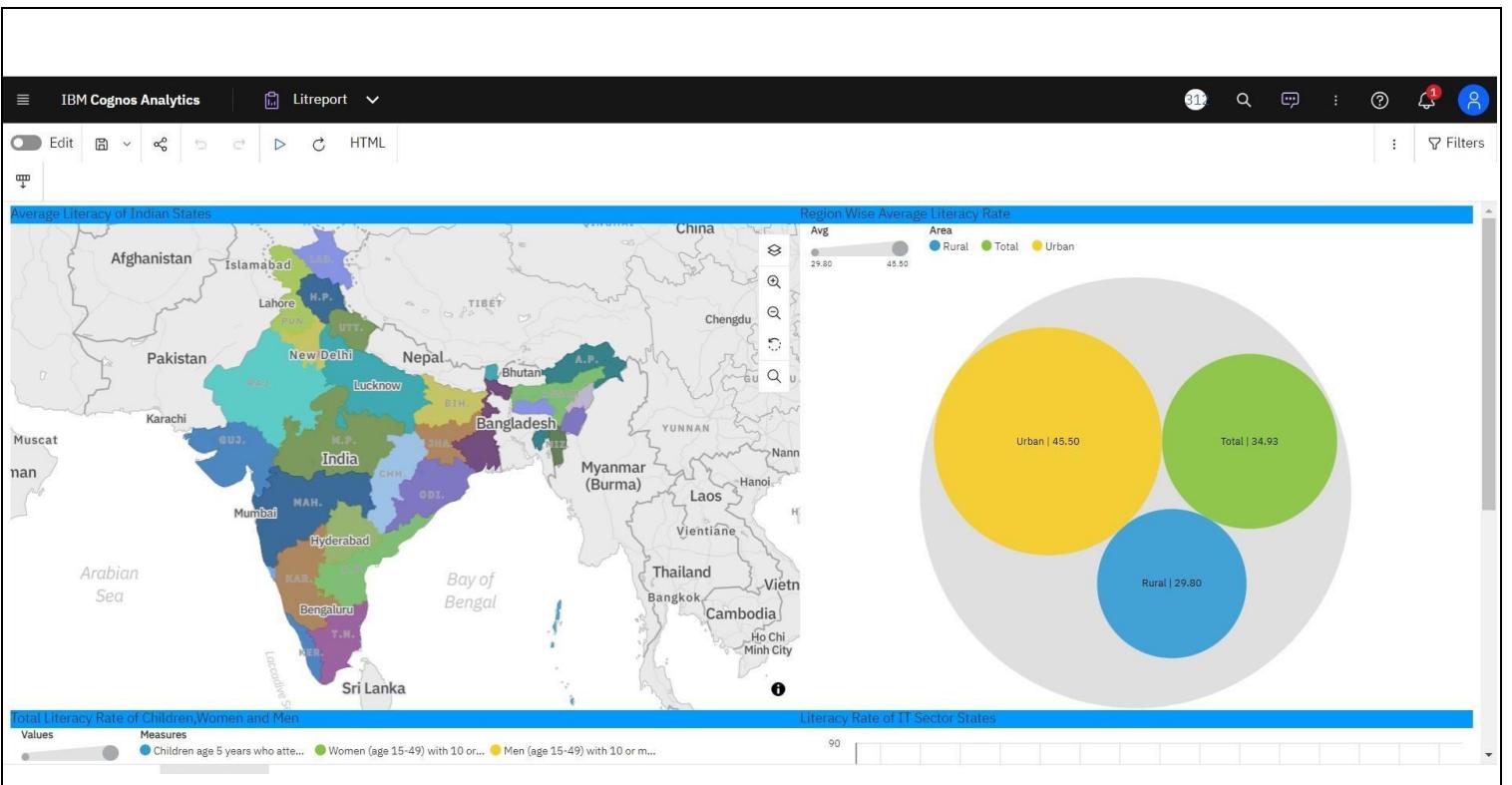


Region Wise Men in Rural and Urban Areas

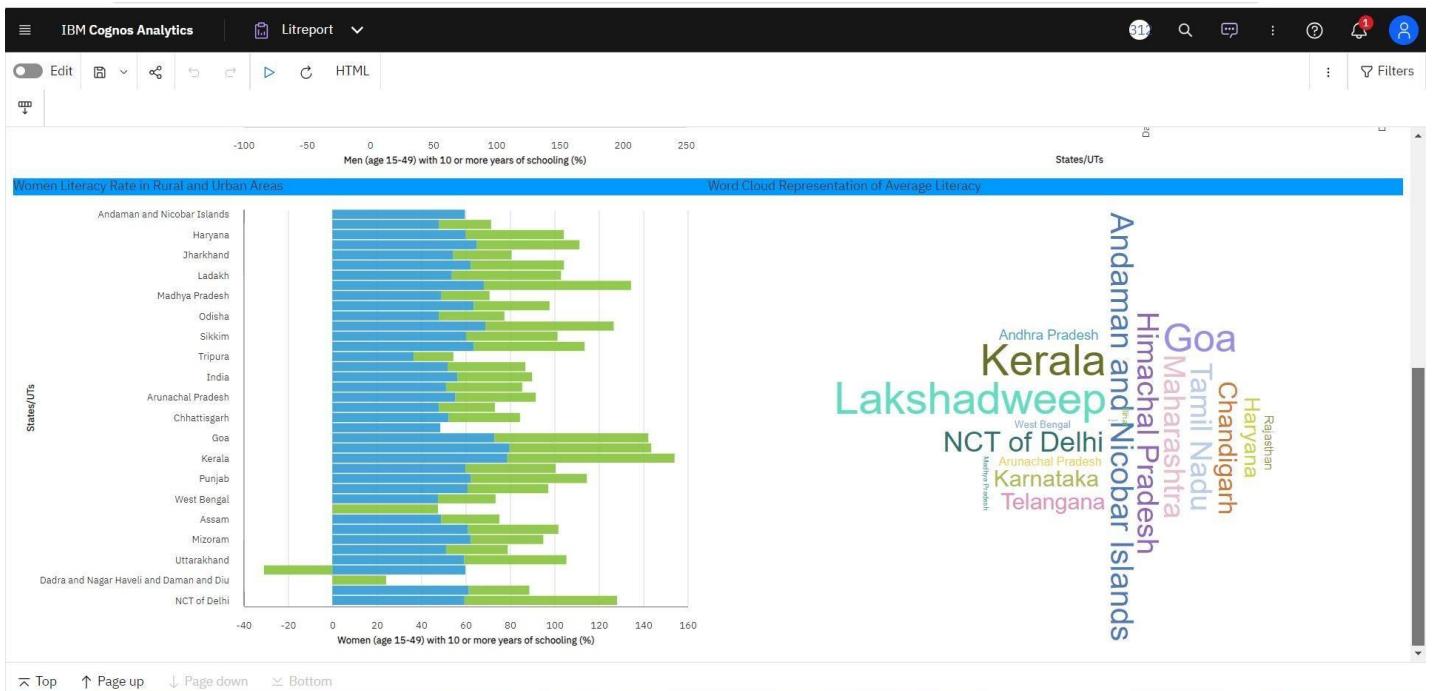


Region Wise Women in Rural and Urban Areas





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WEB INTEGRATION

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Analysis of Literacy Rate in India

Education is key for Development of a Nation

Get Started



Dashboard



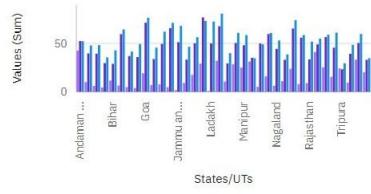
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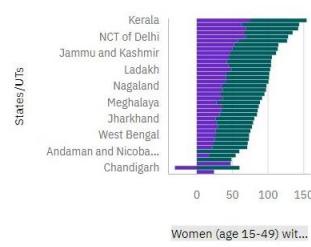
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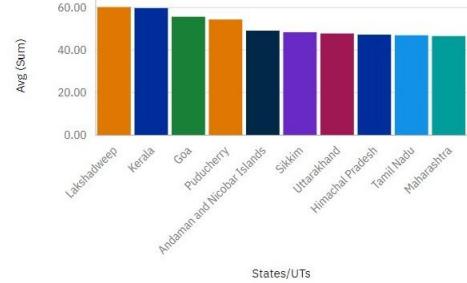


Women Literacy Rate in Rural and Urban Areas

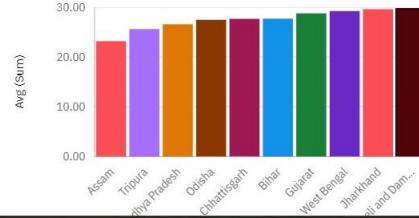
Area
Rural Urban



Top 10 Literate States



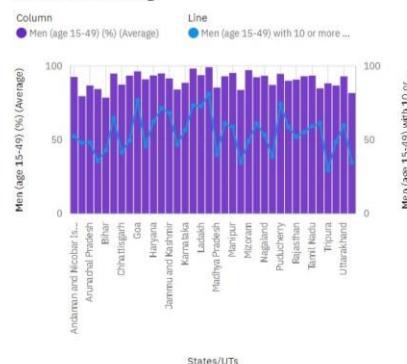
Bottom 10 Literate States



Education in India

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Men with Age Group 15-49 Over Those who attended Schooling



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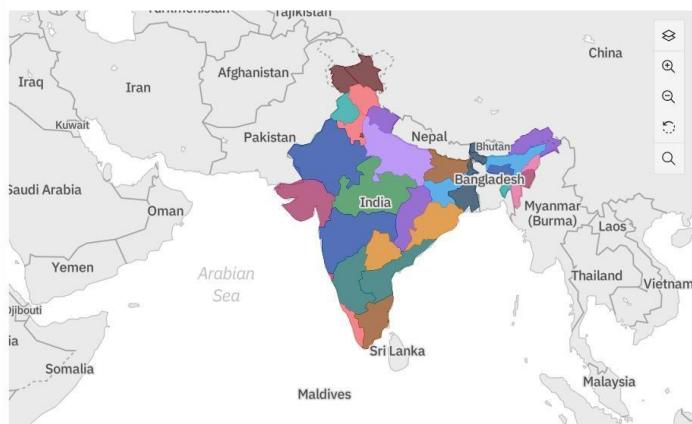
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Story

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Overall Literacy Rate in India

Literacy Rate in States



Literacy Rate of Men , Women and Children in Indian States

Measures
● Children age 5 years who attended school
● Women (age 15-49) with 10 or more years of schooling
● Men (age 15-49) with 10 or more years of schooling


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Scene 2 of 9

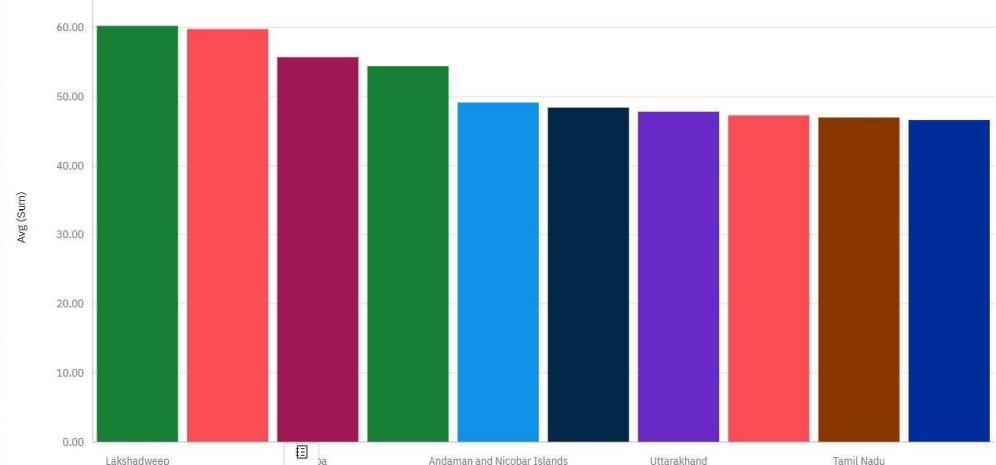
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Top Literacy Rate

Lakshadweep and
kerala has highest
Literacy Rate in
India

Top 10 Literate States



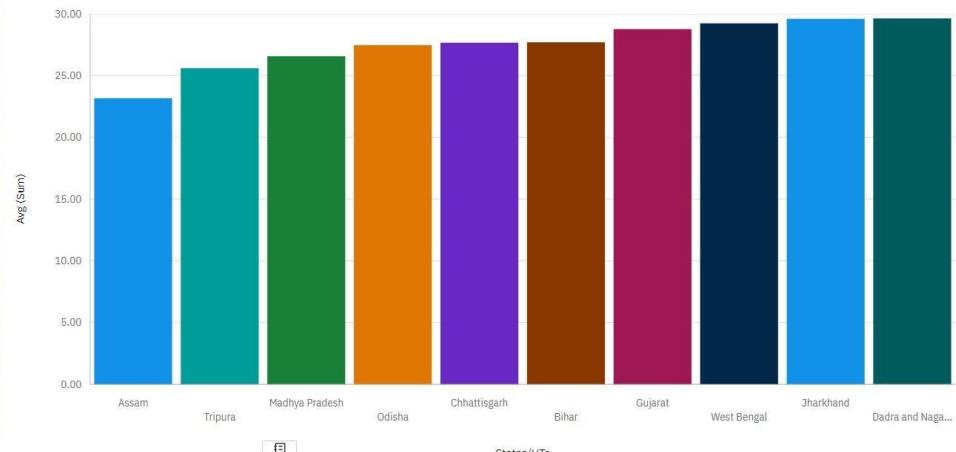
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Bottom Literacy Rate

Assam and Tripura
are bottom
Literacy States

Bottom 10 Literate States



Prev scene Next scene Scene 4 of 9 0:05.0



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Region Wise Children Literacy Rate

Uttrakhand and Meghalaya are states with highest children literate rate

Children Literacy Rate

Area:
● Rural ● Urban

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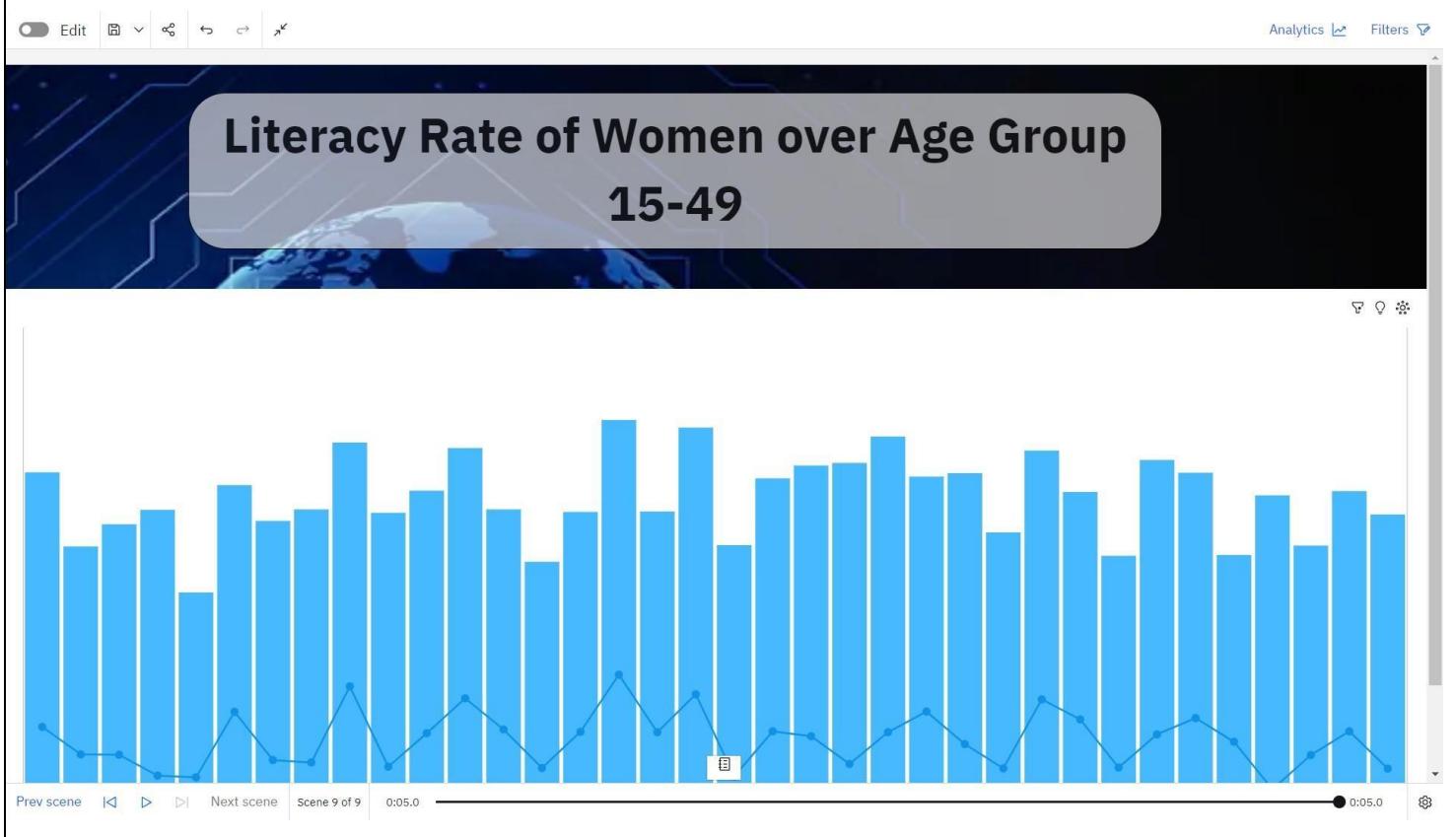
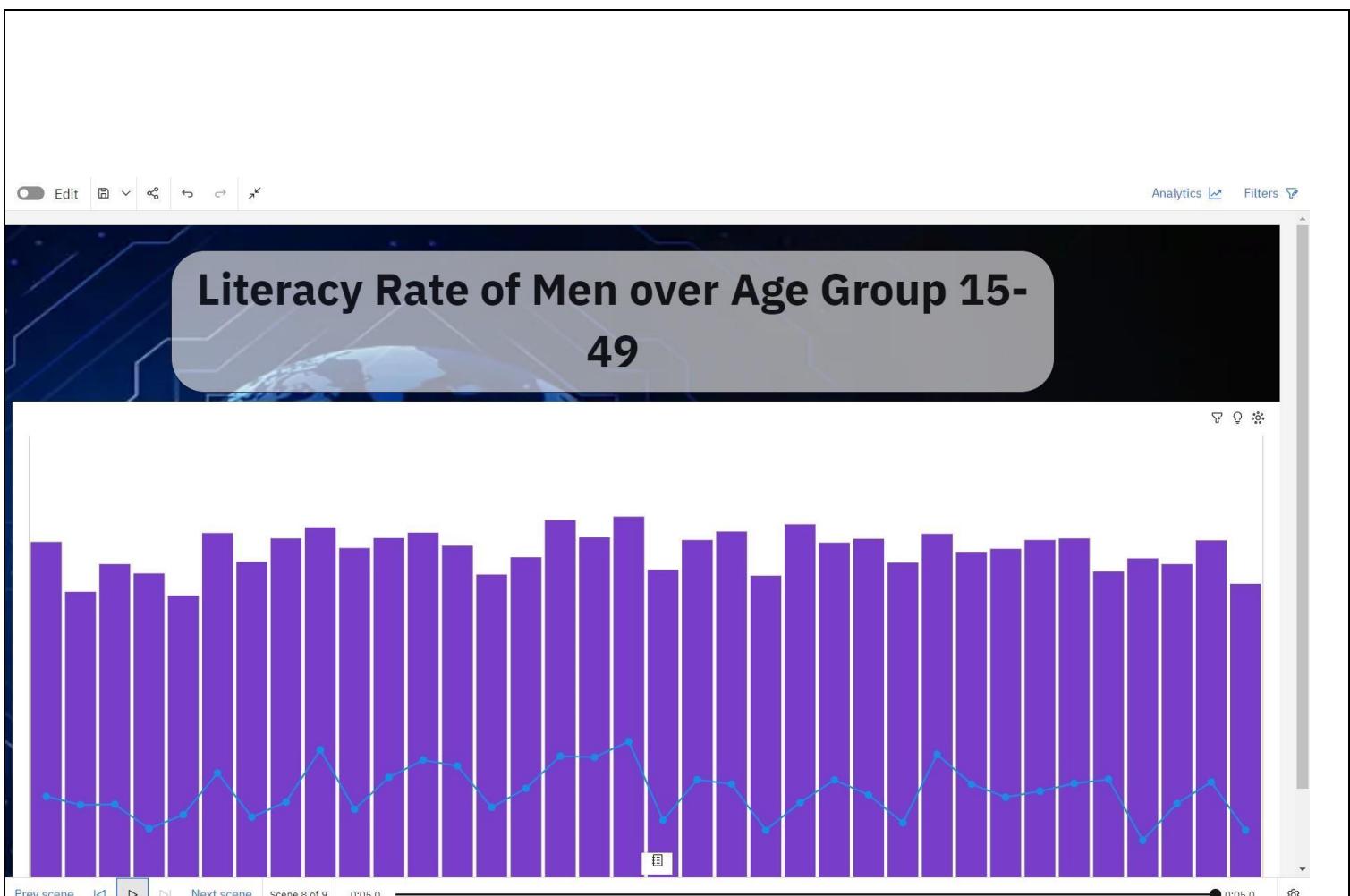
Region Wise Women Literacy Rate

Kerala and Himachal Pradesh has highest literacy Rate

Women Literacy Rate

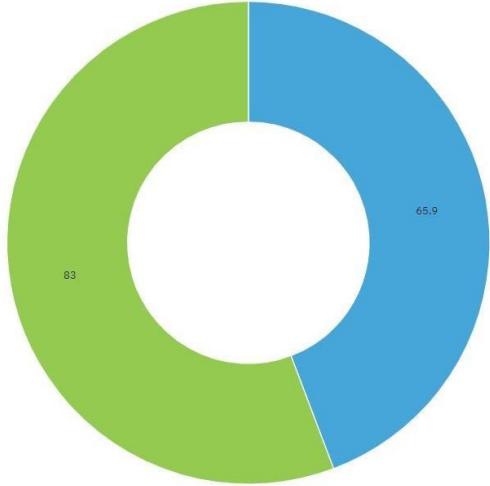
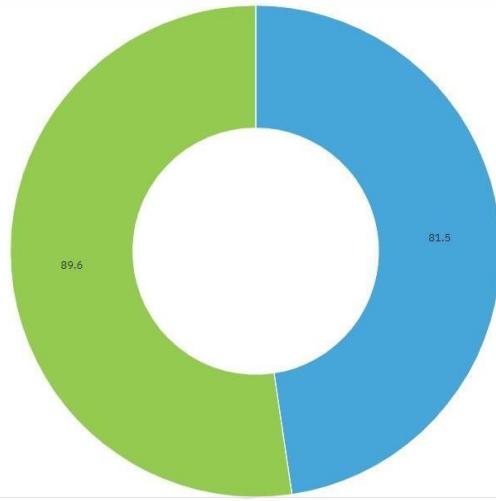
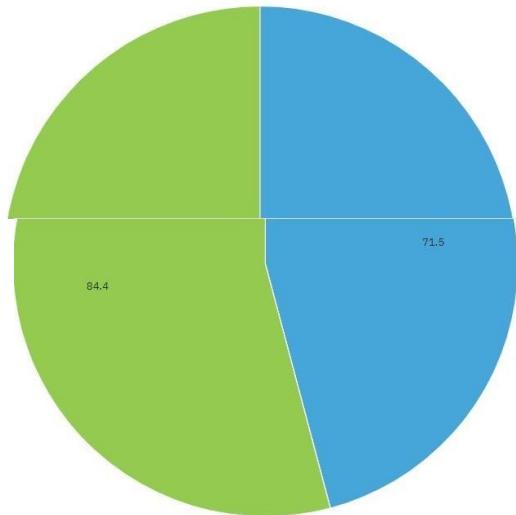
Area:
● Rural ● Urban

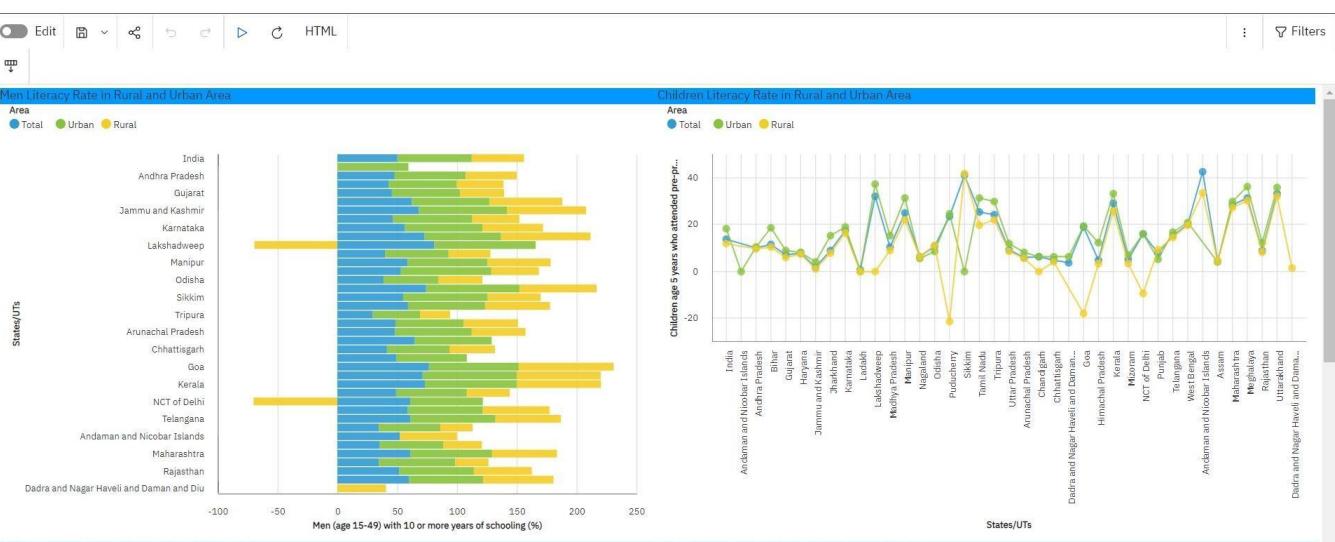
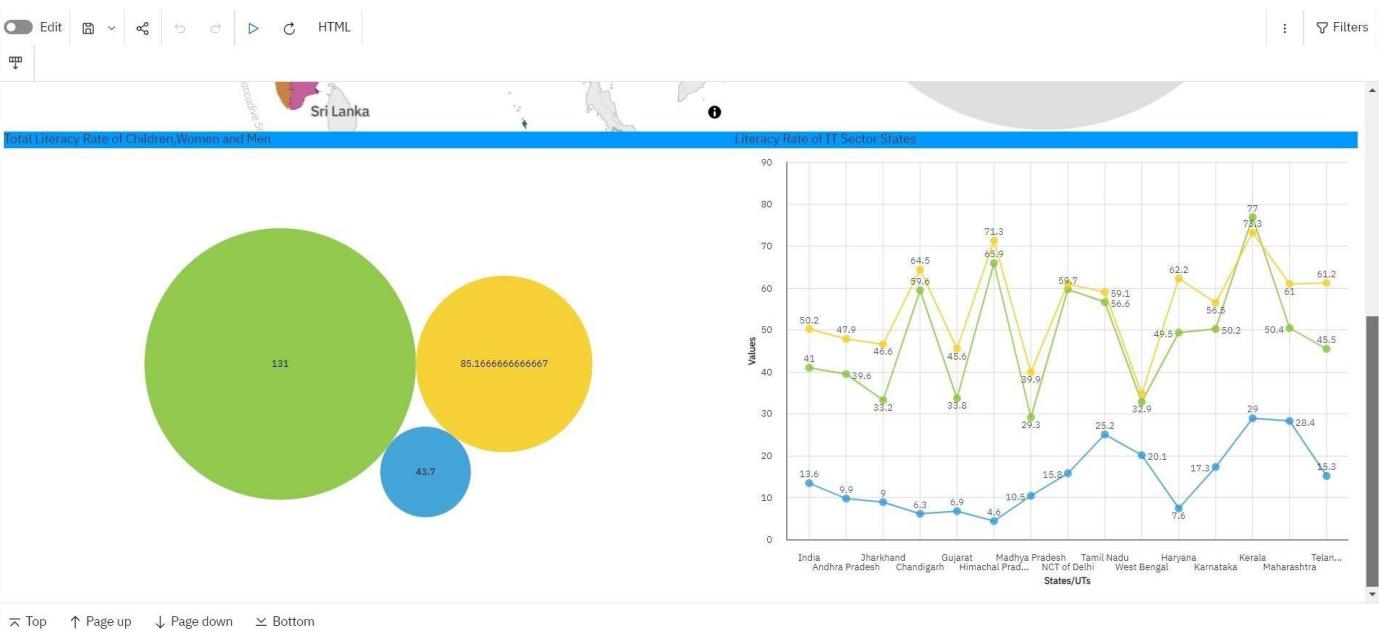
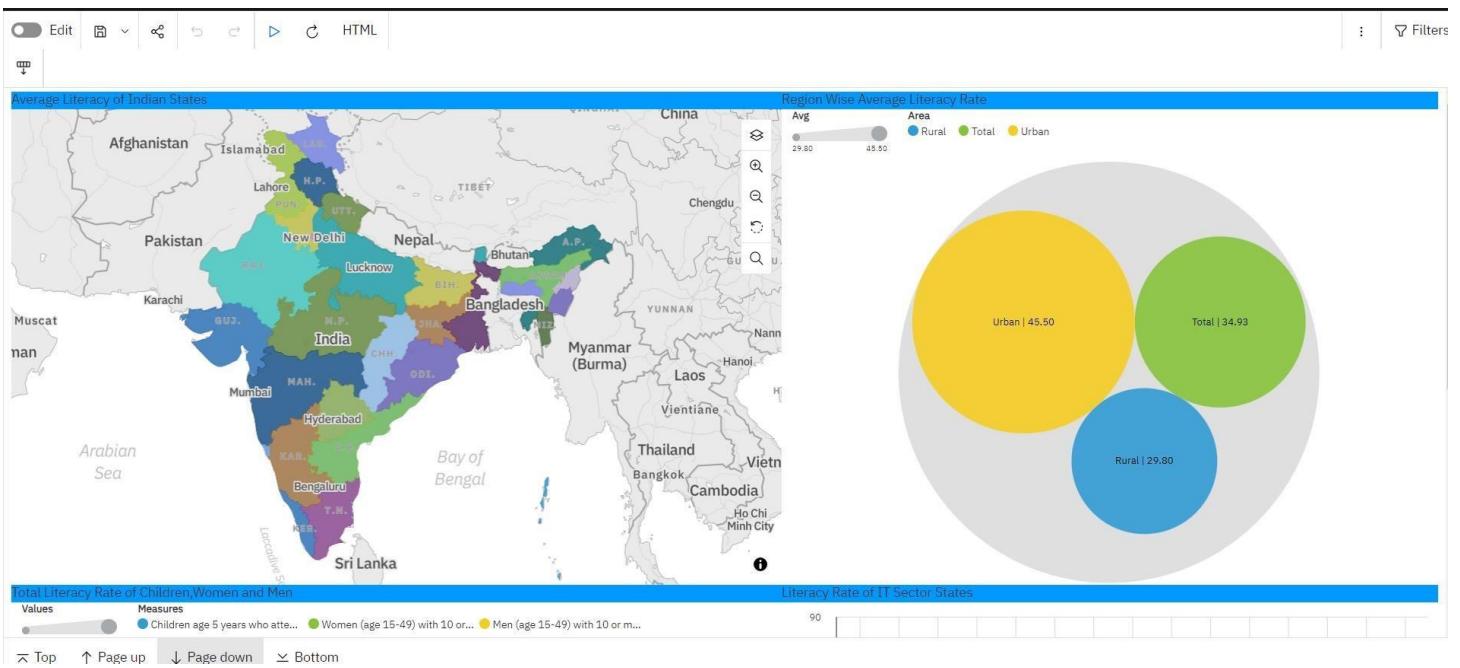
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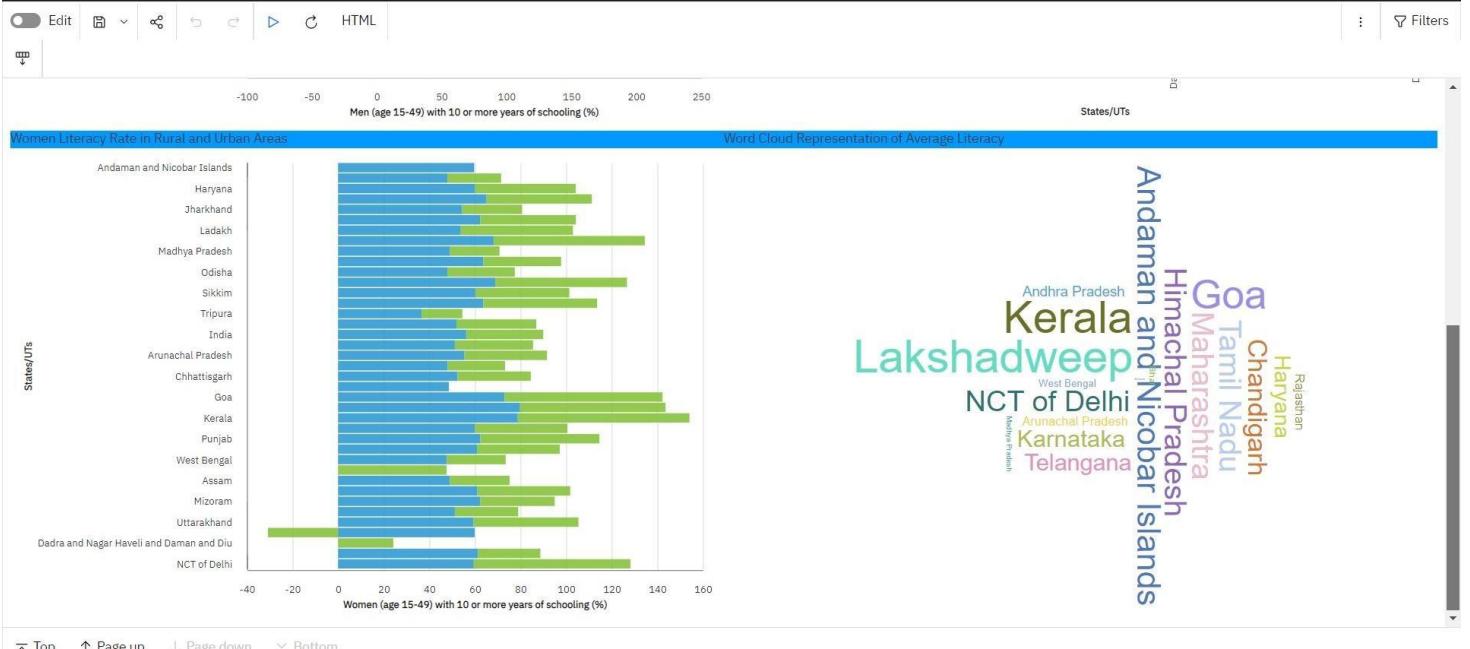


Report

Literacy Rate Analysis for Year 2021







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legam noster magna.

5.ADVANTAGES & DISADVANTAGES

Advantages:

- Increased economic opportunities
- Lower crime rates
- Better health outcomes
- Greater civic engagement
- A more prosperous and just society

Disadvantages:

- Cultural barriers
- Difficulties in reaching remote areas
- Ethical Considerations

6.APPLICATIONS

The project literacy analysis has several valuable applications in the healthcare industry and beyond.

- ❖ Planning and implementing education policies
- ❖ Monitoring progress
- ❖ Evaluating progress
- ❖ Raising awareness
- ❖ Treatment Decision Support
- ❖ Allocating resources
- ❖ Policy Development
- ❖ Benchmarking and Performance
- ❖ Research and Public awareness

7.CONCLUSION:

In conclusion, Empowering the future: A Literacy Rate Analysis for better future project holds significant value and potential for the improvement of society. By leveraging data analytics, exploratory data analysis, the project aims to achieve several important outcomes.

Lastly, we have to create the web integration in the python folder. Download the bixin file and run the index.html in visual studio code.

Overall, Empowering the Future: A Literacy Rate Analysis for Better Future project is a valuable initiative that has the potential to make a real difference in the world. By increasing literacy rates, we can create a more prosperous, just, and peaceful world for everyone.

8.FUTURE SCOPE:

The project, Empowering the future: A Literacy Rate Analysis for better future is vast. And holds great potential in transforming the society. Overall, the future scope of the Empowering the future: A literacy analysis for better future project is dynamic and transformative. As technology continues to evolve and data-driven decision-making becomes increasingly prevalent, the project's applications have the potential to revolutionize around the globe.