

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.

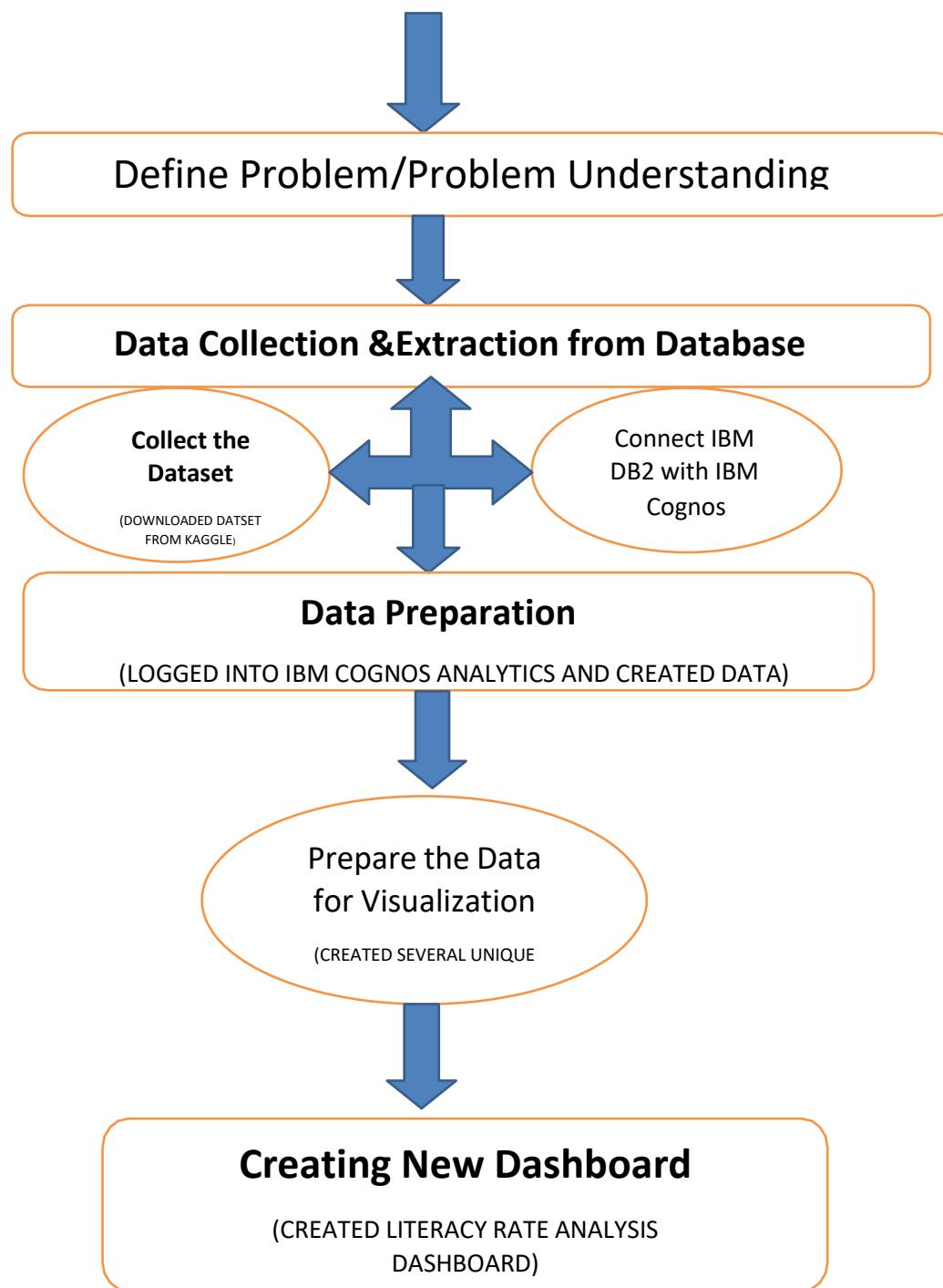
2.2 PROPOSED SOLUTION:

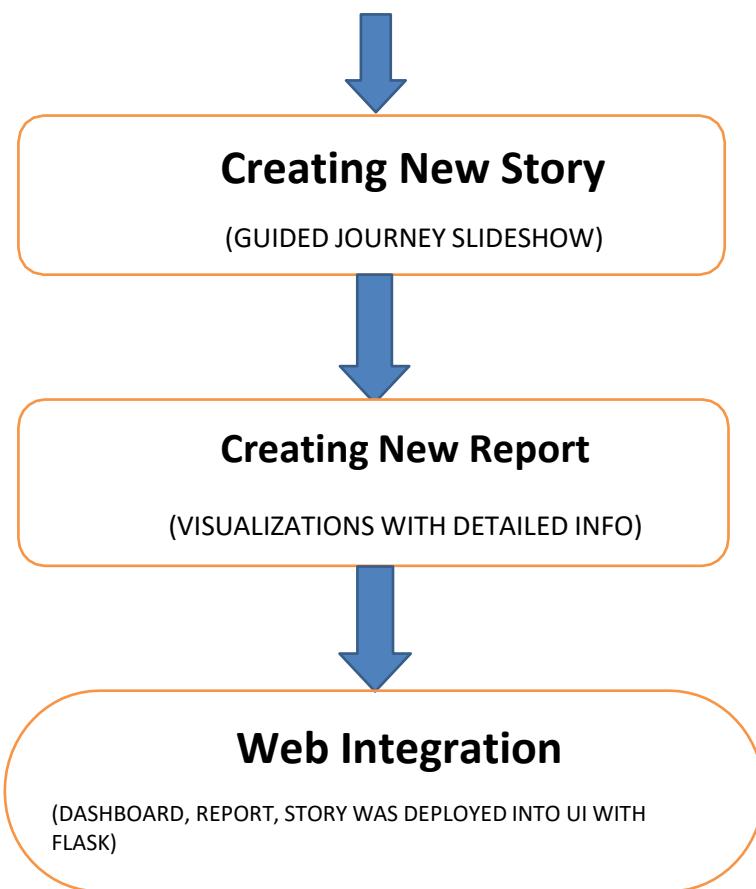
- Read aloud. Early reading can hugely benefit from collective read-alouds.
- Graphic organizers
- Encouraging students to bring their own, special experiences
- Group discussions.

3. THEORITICAL ANALYSIS:

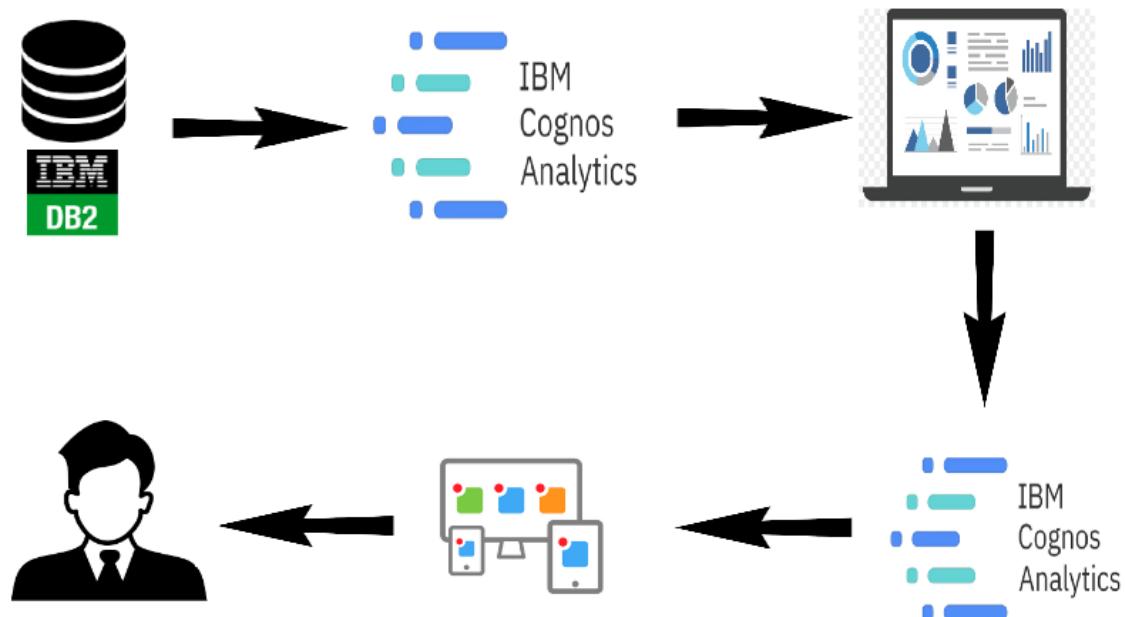
3.1 Block diagram

Empowering The Future: A Literacy Rate Analysis for better Future





TECHNICAL ARCHITECTURE:



3.1 Hardware /Software designing

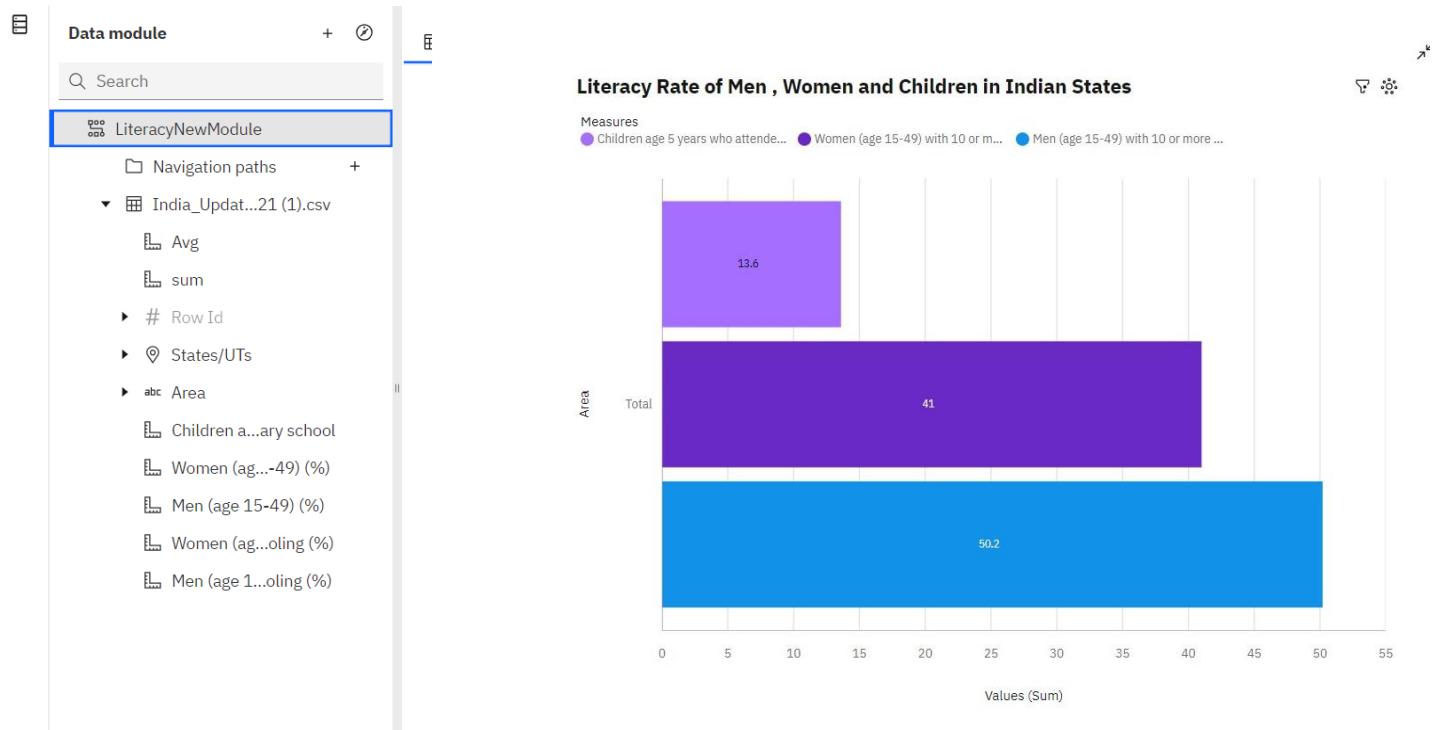
Hardware Requirements:

- 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:

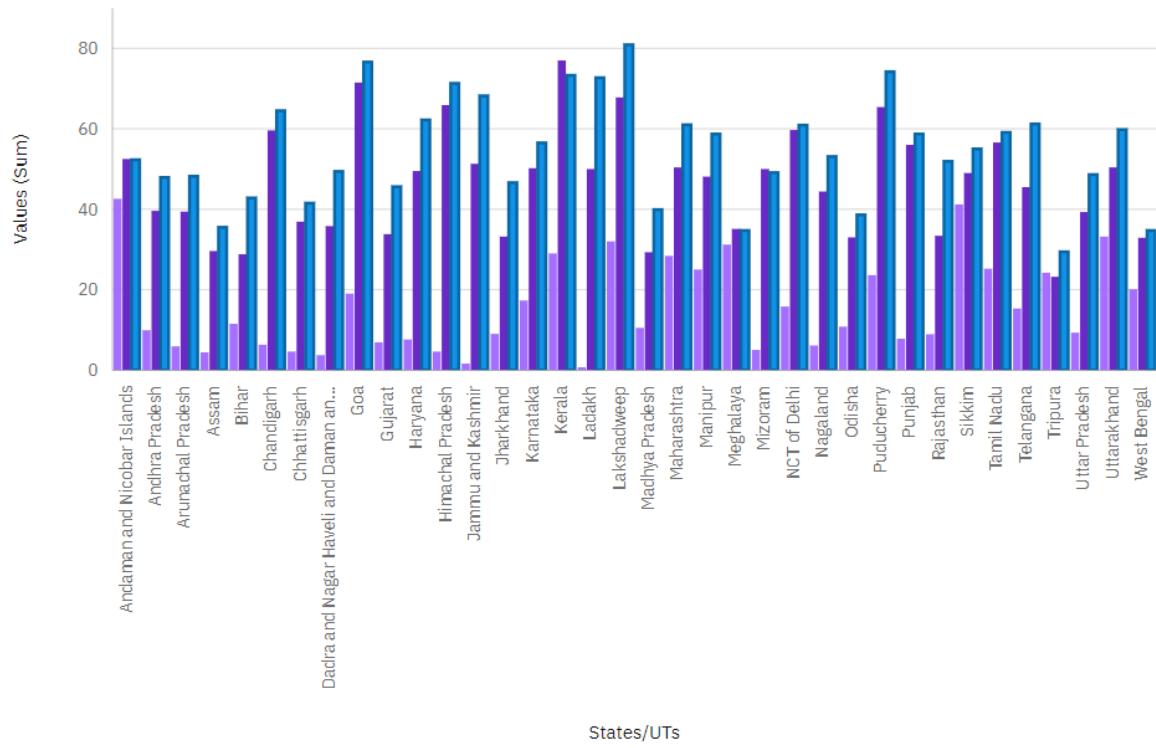


literacy Rate of men,women and children in states

1/1

Measures

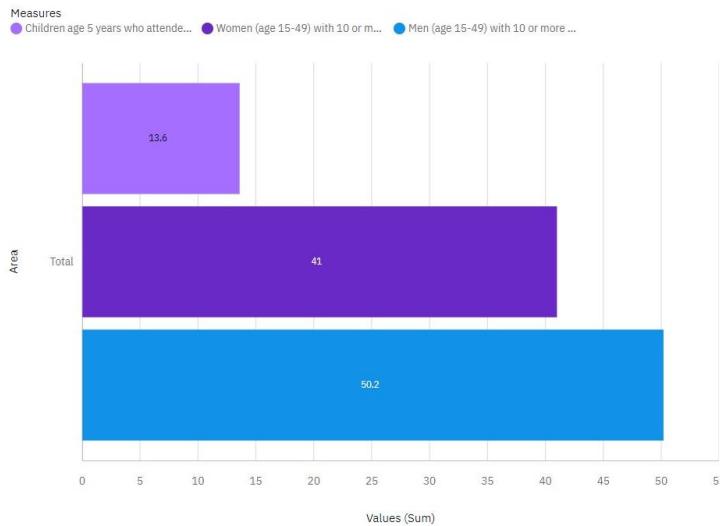
● Children age 5 years who attende... ● Women (age 15-49) with 10 or m... ● Men (age 15-49) with 10 or more ...



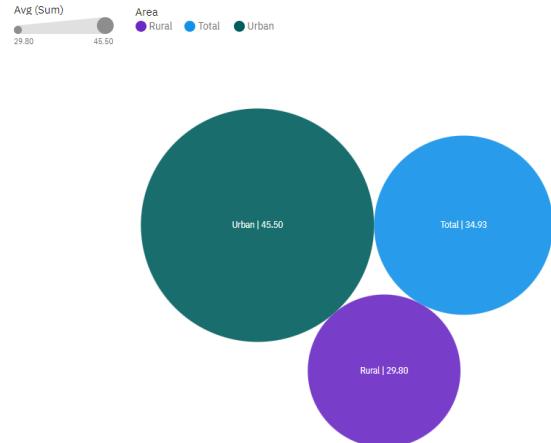
DASHBOARD

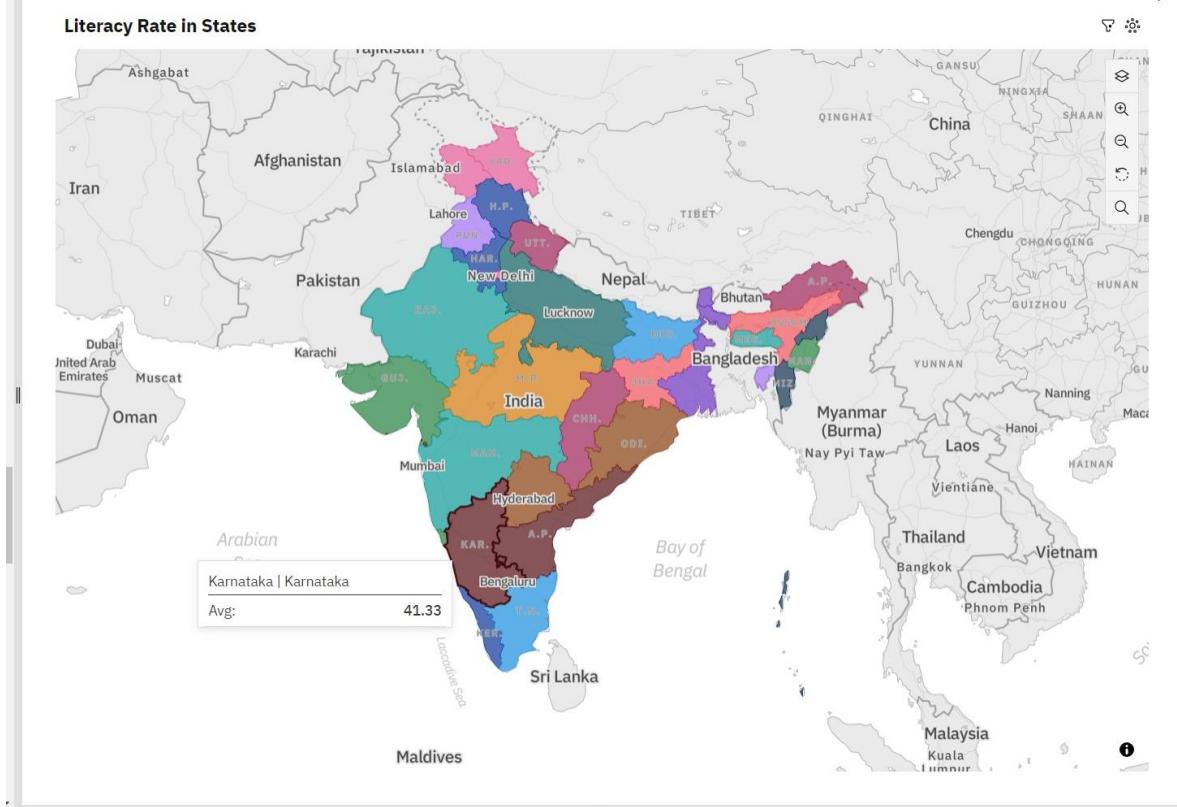


Literacy Rate of Men , Women and Children in Indian States

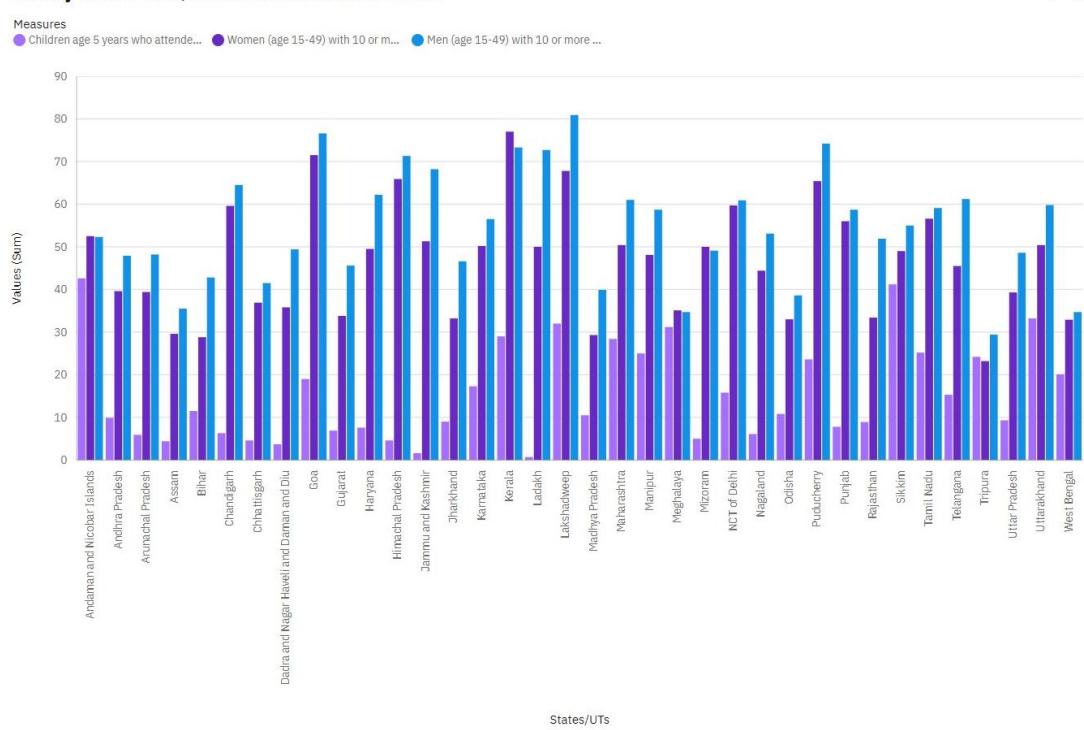


Overall Literacy Rate

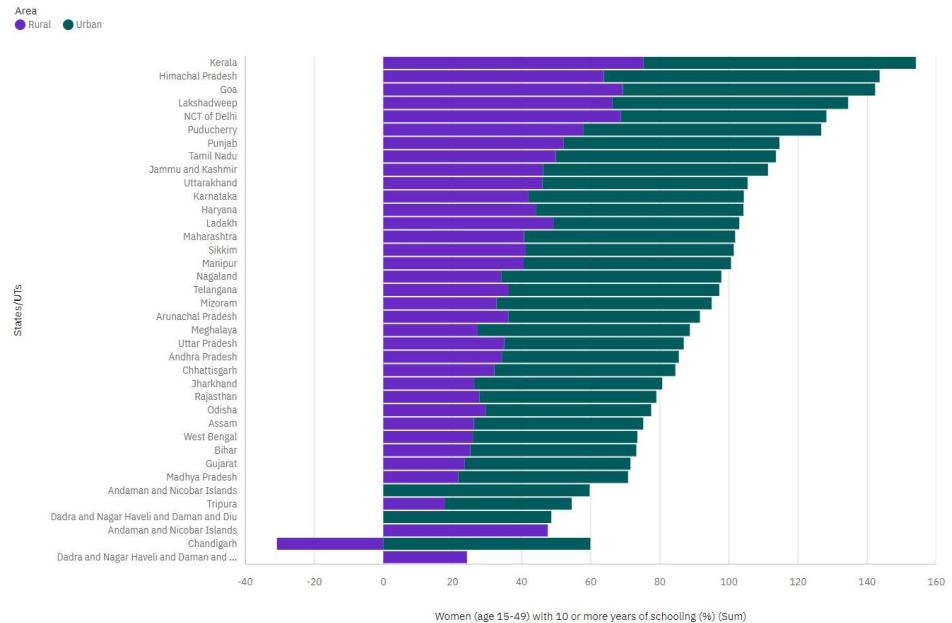




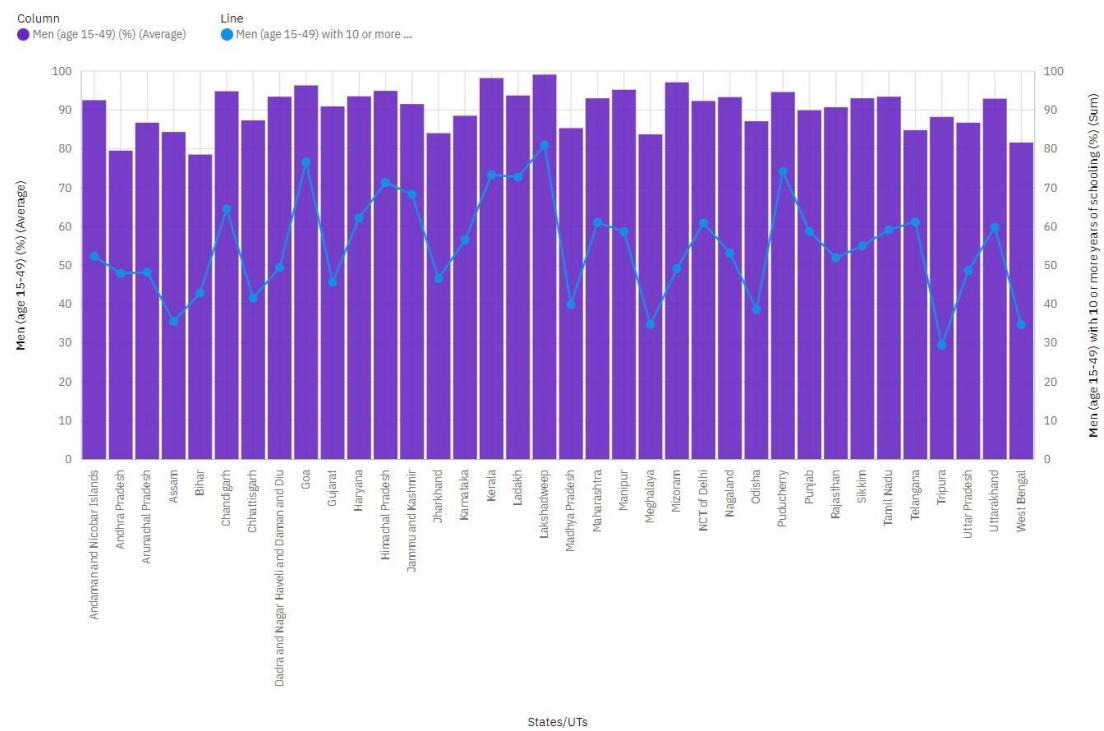
literacy Rate of men,women and children in states



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

Prev scene Next scene Scene 1 of 9 0:05.0 0:05.0

Edit Analytics Filters

Overall Literacy Rate in India

Press Esc to exit full screen

Literacy Rate in States

Literacy Rate of Men , Women and Children in Indian States

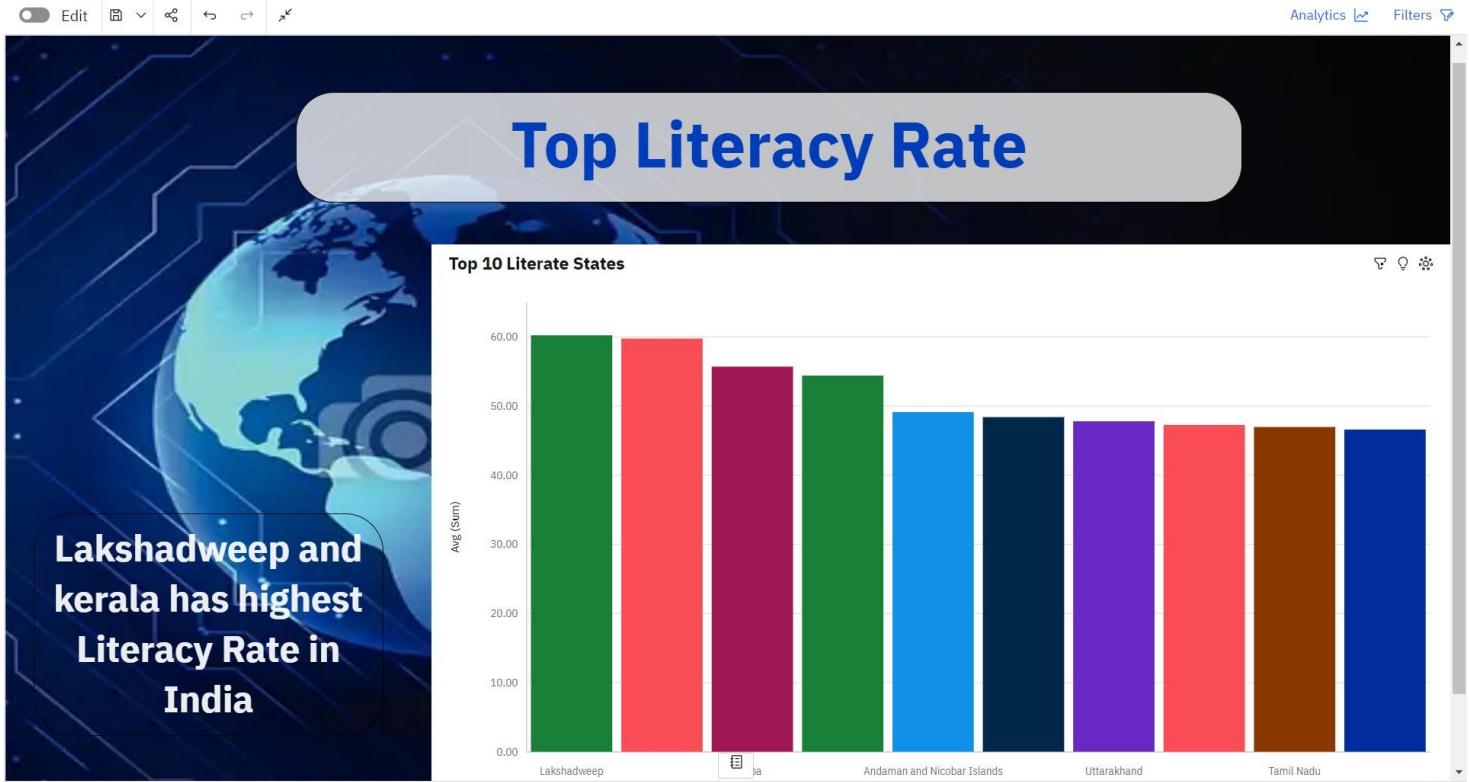
Measures

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

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

Area Total

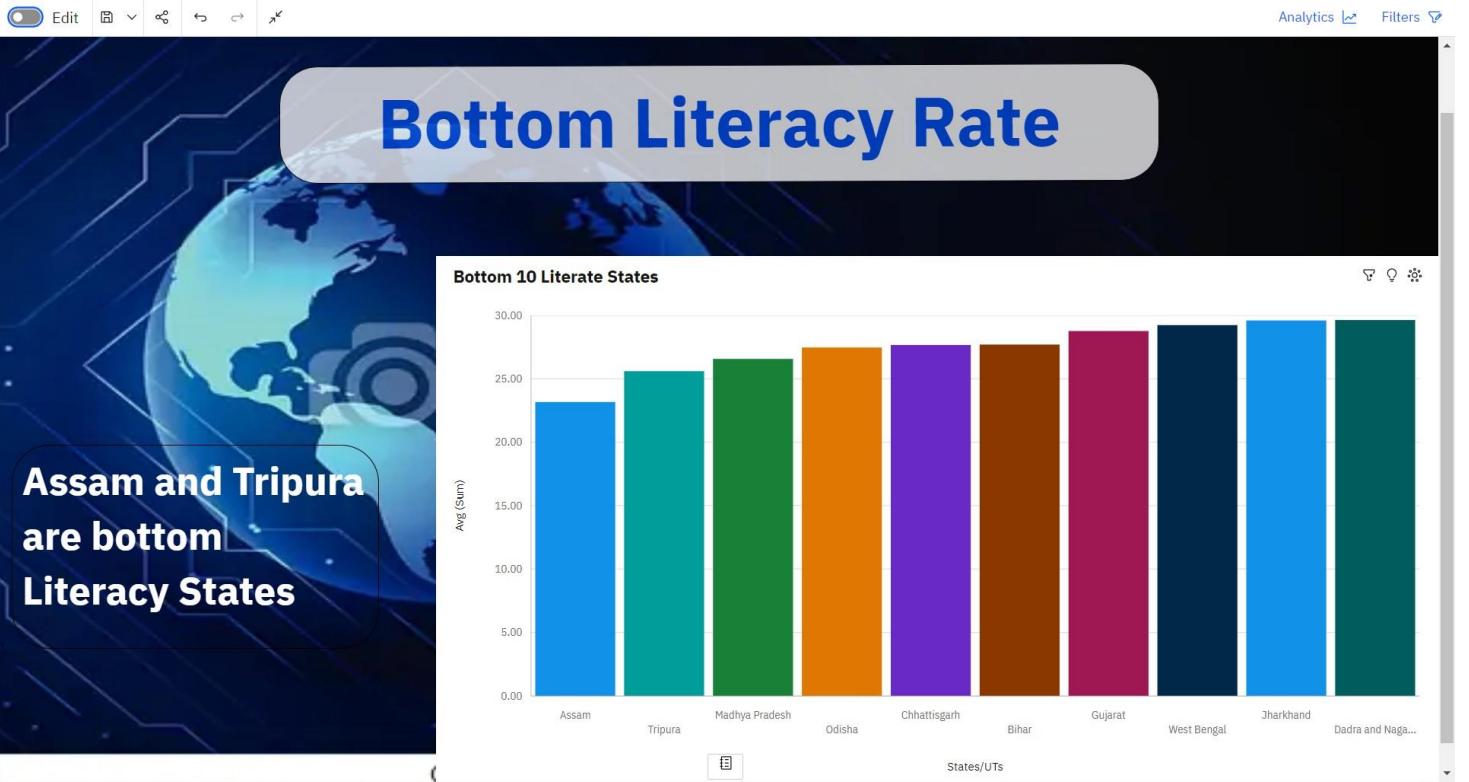
Prev scene Next scene Scene 2 of 9 0:05.0 0:05.0

A slide titled "Top Literacy Rate" featuring a globe background. A callout box on the left states "Lakshadweep and kerala has highest Literacy Rate in India". A bar chart titled "Top 10 Literate States" shows the average literacy rate for various Indian states.

Top 10 Literate States

State	Avg (Sum)
Lakshadweep	60.00
Kerala	59.00
Jharkhand	56.00
Odisha	54.00
Andaman and Nicobar Islands	49.00
Bihar	48.00
Uttarakhand	48.00
Tamil Nadu	47.00
Gujarat	47.00
Jharkhand	46.00

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

A slide titled "Bottom Literacy Rate" featuring a globe background. A callout box on the left states "Assam and Tripura are bottom Literacy States". A bar chart titled "Bottom 10 Literate States" shows the average literacy rate for various Indian states.

Bottom 10 Literate States

State/UT	Avg (Sum)
Assam	23.00
Tripura	25.50
Madhya Pradesh	26.50
Odisha	27.00
Chhattisgarh	27.50
Bihar	27.50
Gujarat	28.50
West Bengal	28.50
Jharkhand	29.00
Dadra and Nagar Haveli	29.00

Prev scene | Next scene | Scene 4 of 9 | 0:05.0

Edit Analytics Filters

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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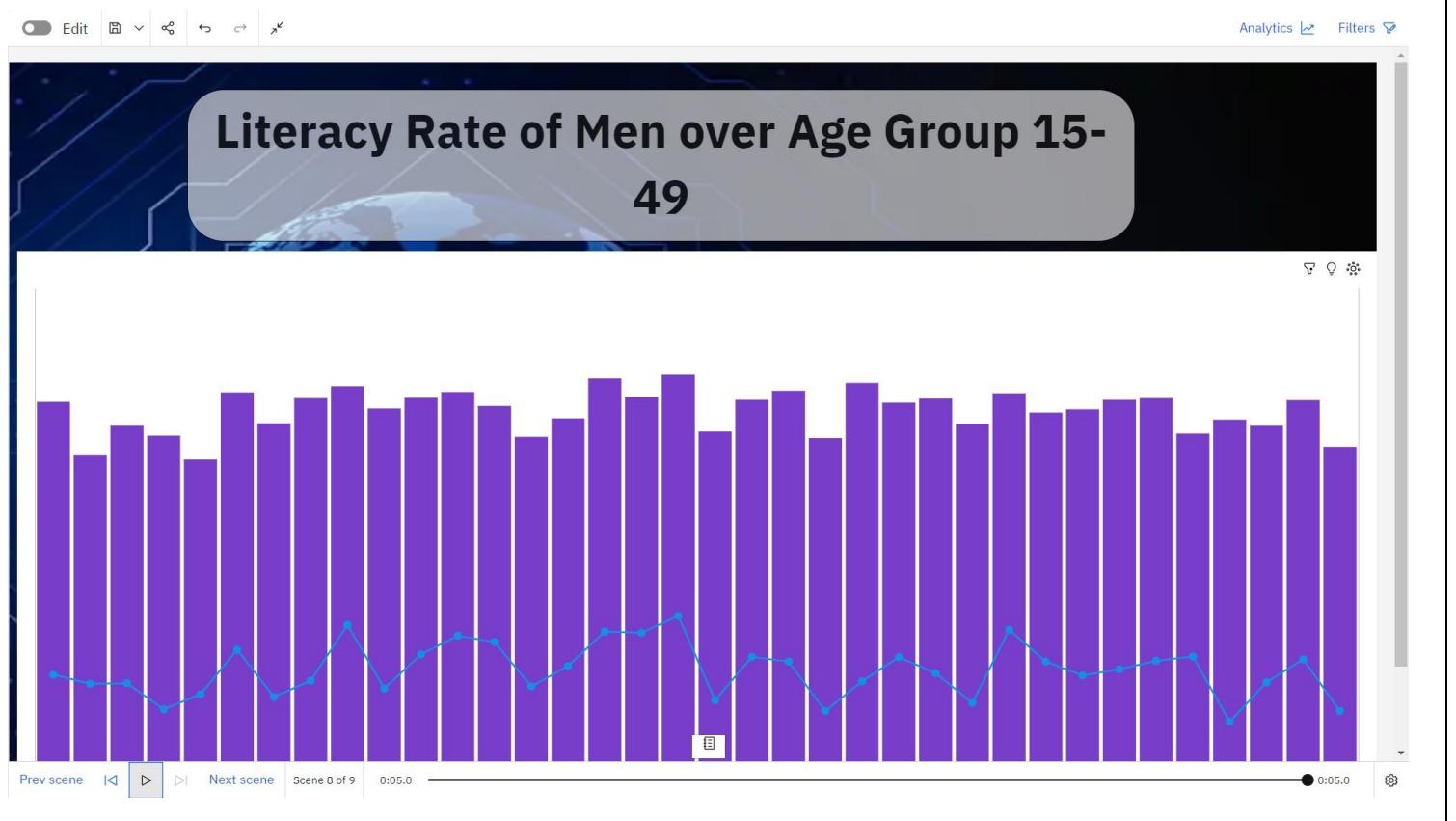
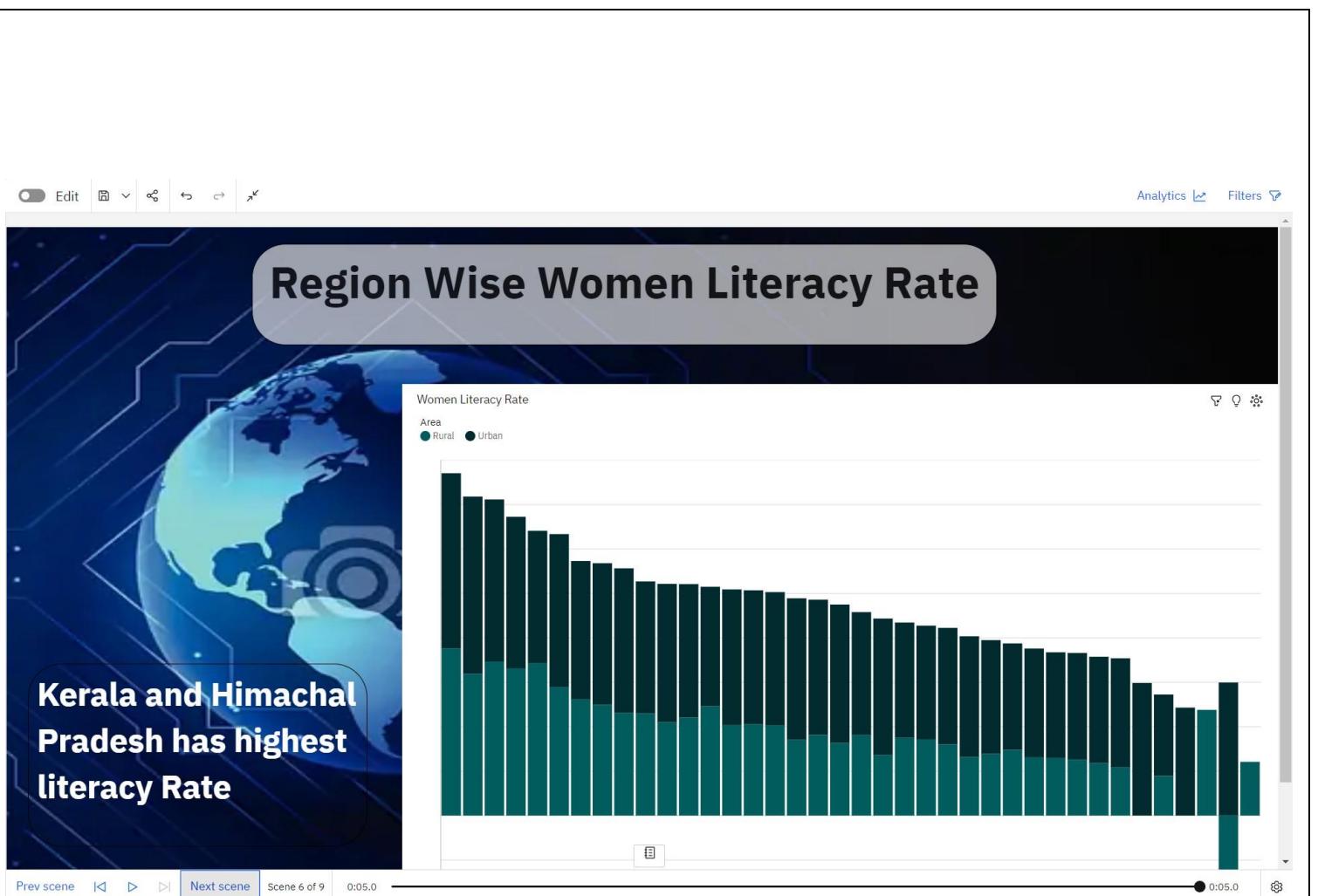
Region Wise Women Literacy Rate

Kerala and Himachal Pradesh has highest literacy Rate

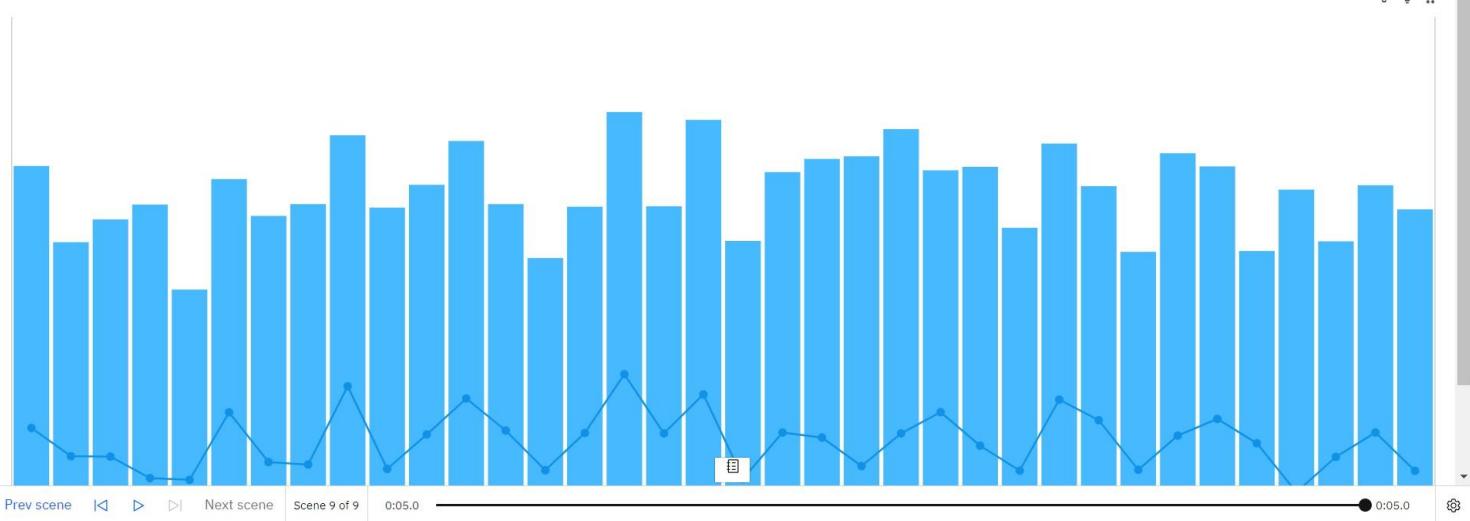
Women Literacy Rate

Area
● Rural ● Urban

Prev scene Next scene Scene 6 of 9 0:05.0



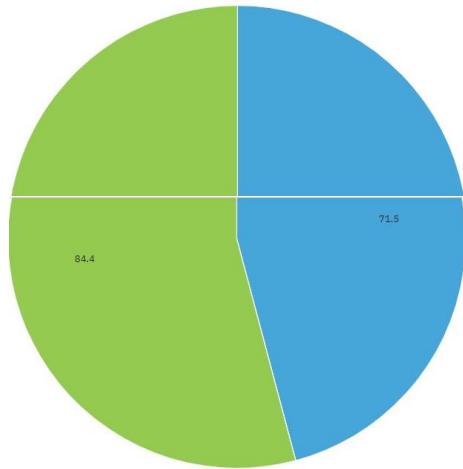
Literacy Rate of Women over Age Group 15-49



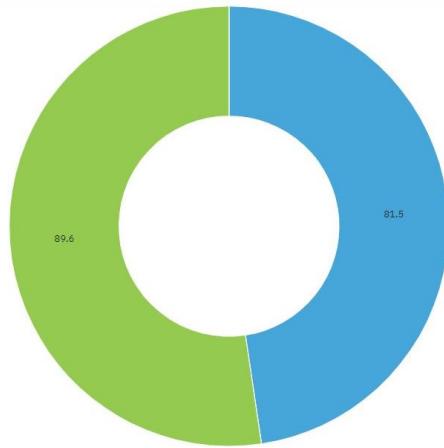
REPORT

Literacy Rate Analysis for Year 2021

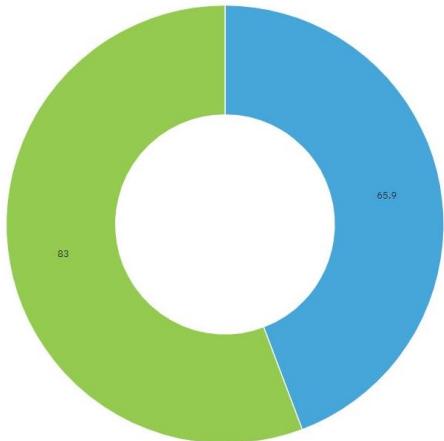
Total Men and Women in Age Group 15-49

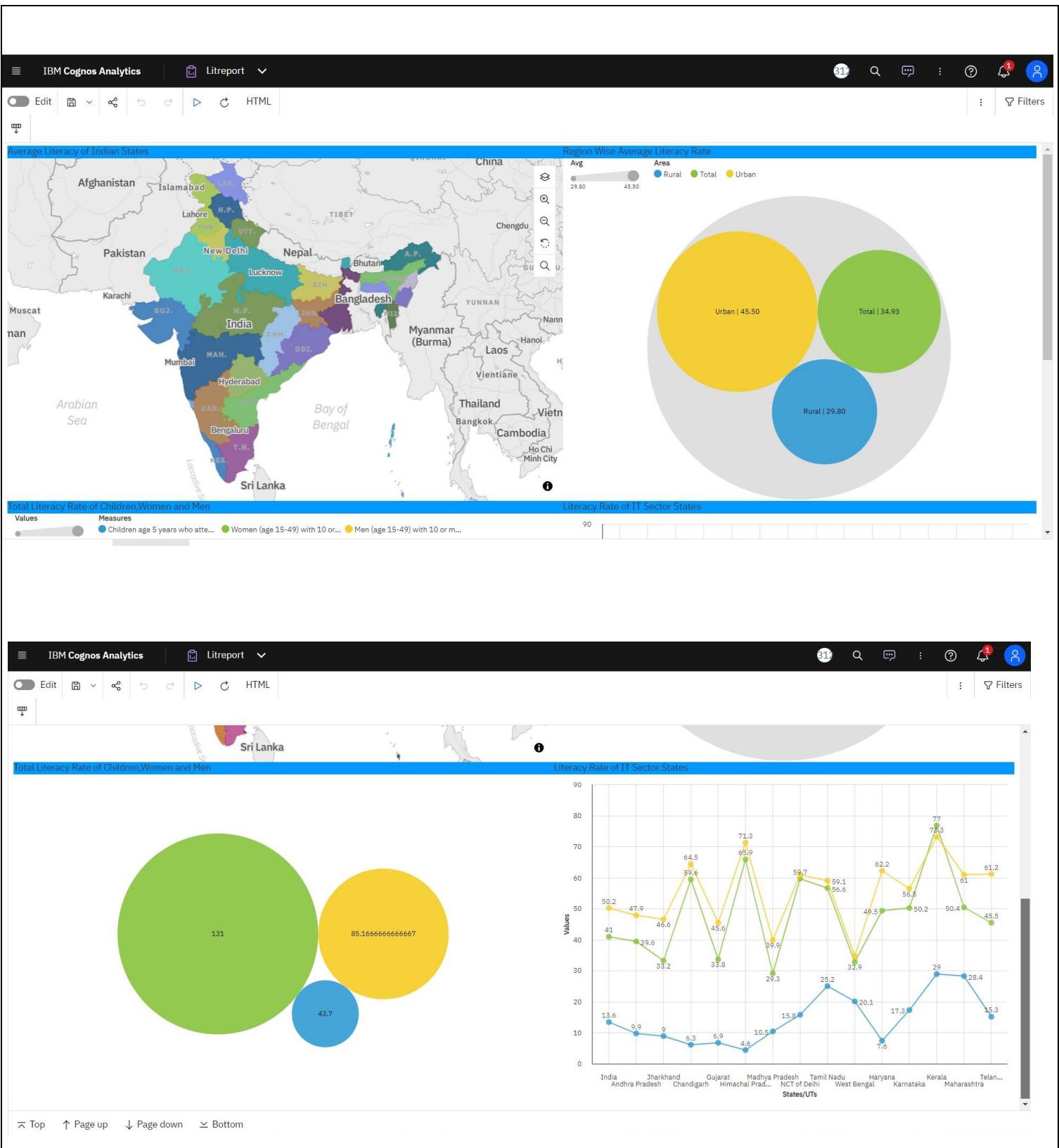


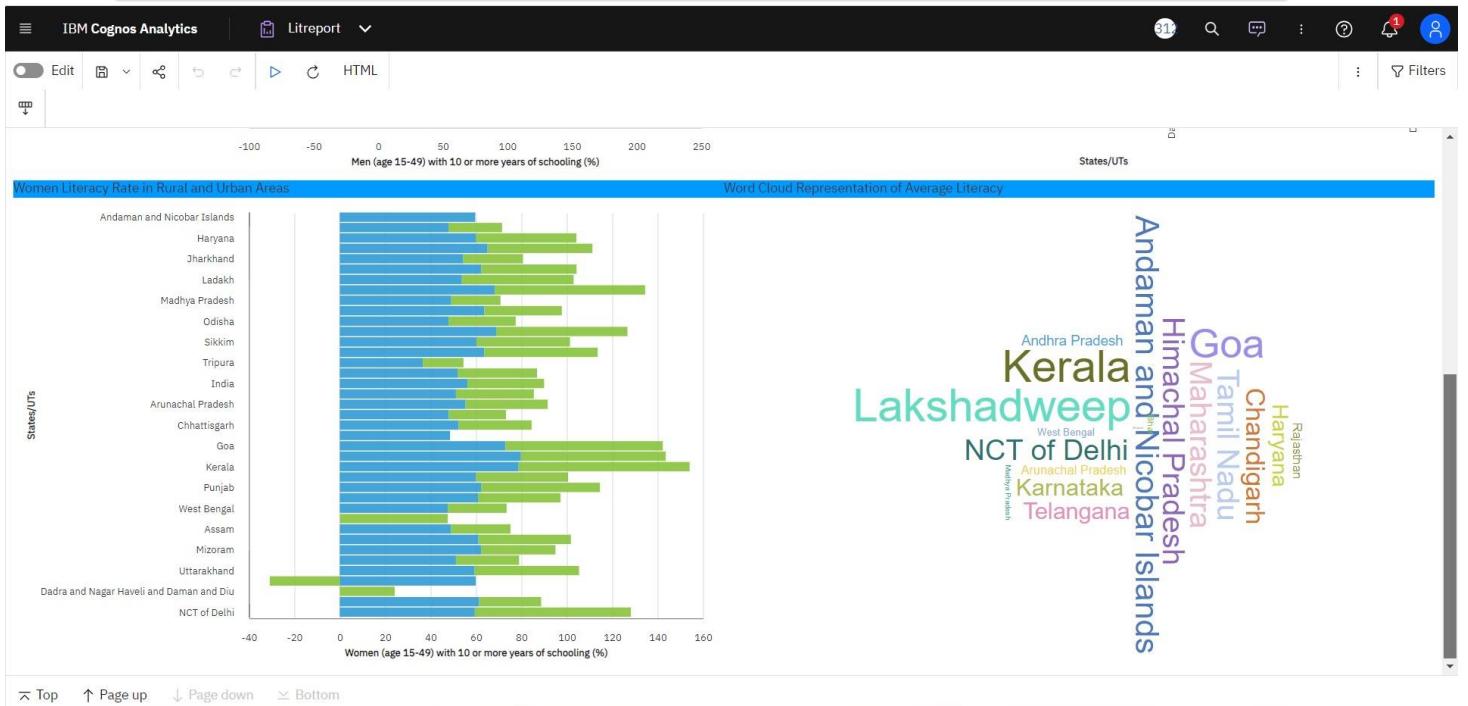
Region Wise Men in Rural and Urban Areas



Region Wise Women in Rural and Urban Areas







WEB INTEGRATION

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Education in India

Home Dashboard Story Report Contact

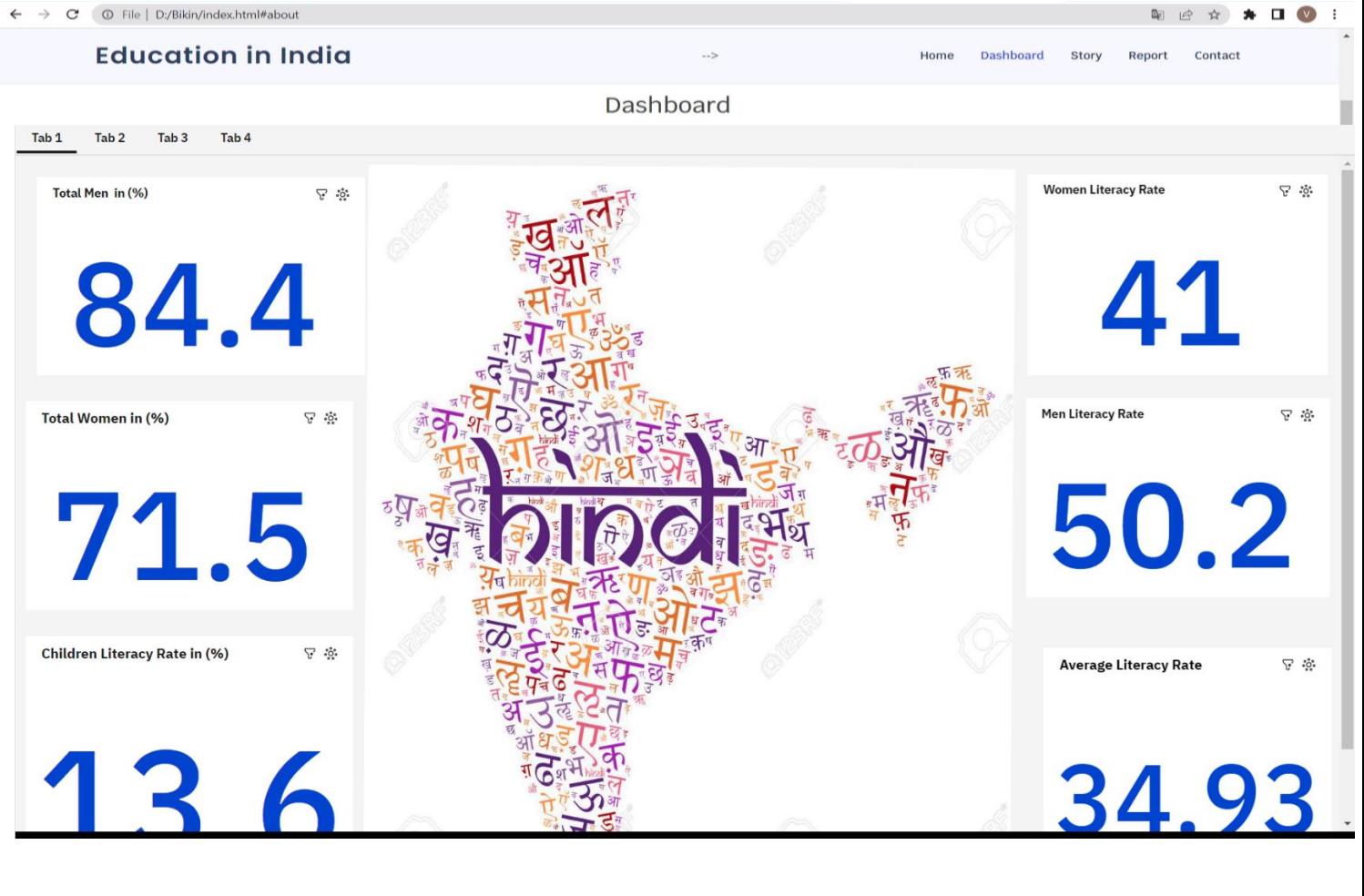
Analysis of Literacy Rate in India

Education is key for Development of a Nation

Get Started



Dashboard



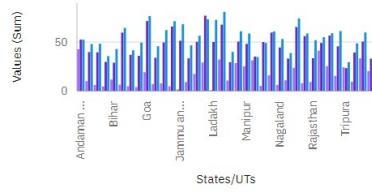
Education in India

Home Dashboard Story Report Contact

Tab 1 Tab 2 Tab 3 **Tab 4**

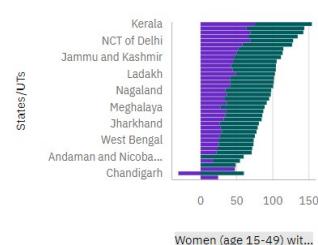
literacy Rate of men,women and children in states

Measures
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Women (age 15-49) with 10 or m...
Men (age 15-49) with 10 or more ...

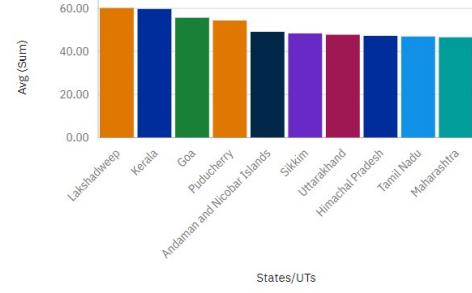


Women Literacy Rate in Rural and Urban Areas

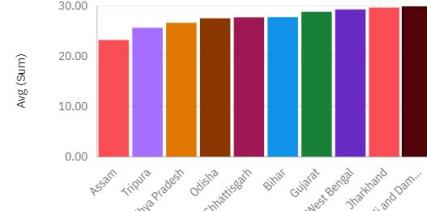
Area
Rural Urban

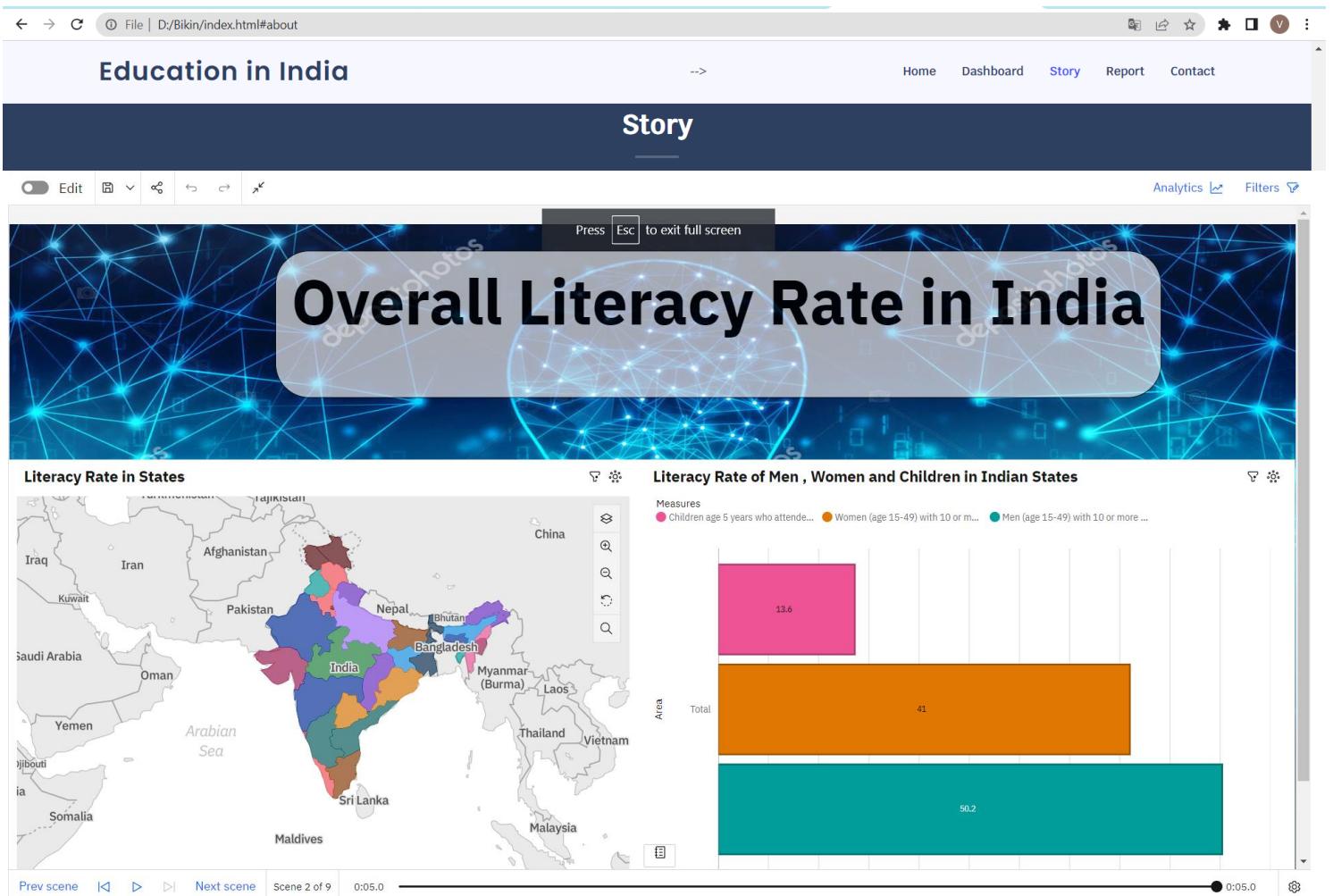


Top 10 Literate States



Bottom 10 Literate States





Edit Analytics Filters

Top Literacy Rate

Lakshadweep and kerala has highest Literacy Rate in India

Top 10 Literate States

A bar chart titled "Top 10 Literate States" showing the average literacy rate (Avg (Sum)) for various Indian states. The Y-axis ranges from 0.00 to 60.00. The X-axis lists states: Lakshadweep, Jammu and Kashmir, Andaman and Nicobar Islands, Uttarakhand, Tamil Nadu, Bihar, Gujarat, West Bengal, Jharkhand, and Dadra and Nagar Haveli and Daman and Diu. The bars are colored in a gradient.

State	Avg (Sum)
Lakshadweep	60.00
Jammu and Kashmir	60.00
Andaman and Nicobar Islands	55.00
Uttarakhand	50.00
Tamil Nadu	50.00
Bihar	50.00
Gujarat	48.00
West Bengal	48.00
Jharkhand	48.00
Dadra and Nagar Haveli and Daman and Diu	48.00

Prev scene ◀ ▶ Next scene Scene 3 of 9 0:05.0

Edit Analytics Filters

Bottom Literacy Rate

Assam and Tripura are bottom Literacy States

Bottom 10 Literate States

A bar chart titled "Bottom 10 Literate States" showing the average literacy rate (Avg (Sum)) for various Indian states. The Y-axis ranges from 0.00 to 30.00. The X-axis lists states: Assam, Tripura, Madhya Pradesh, Odisha, Chhattisgarh, Bihar, Gujarat, West Bengal, Jharkhand, and Dadra and Nagar Haveli and Daman and Diu. The bars are colored in a gradient.

State	Avg (Sum)
Assam	23.00
Tripura	25.50
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Odisha	27.00
Chhattisgarh	27.00
Bihar	27.00
Gujarat	28.50
West Bengal	28.50
Jharkhand	29.00
Dadra and Nagar Haveli and Daman and Diu	29.00

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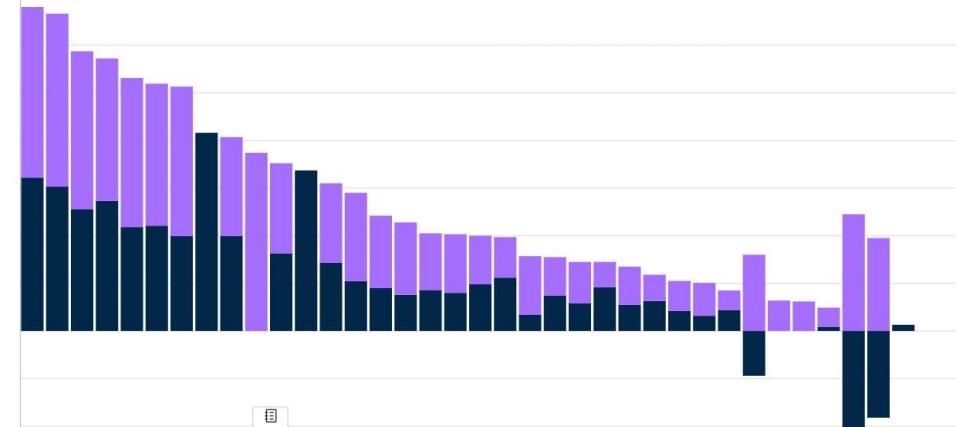
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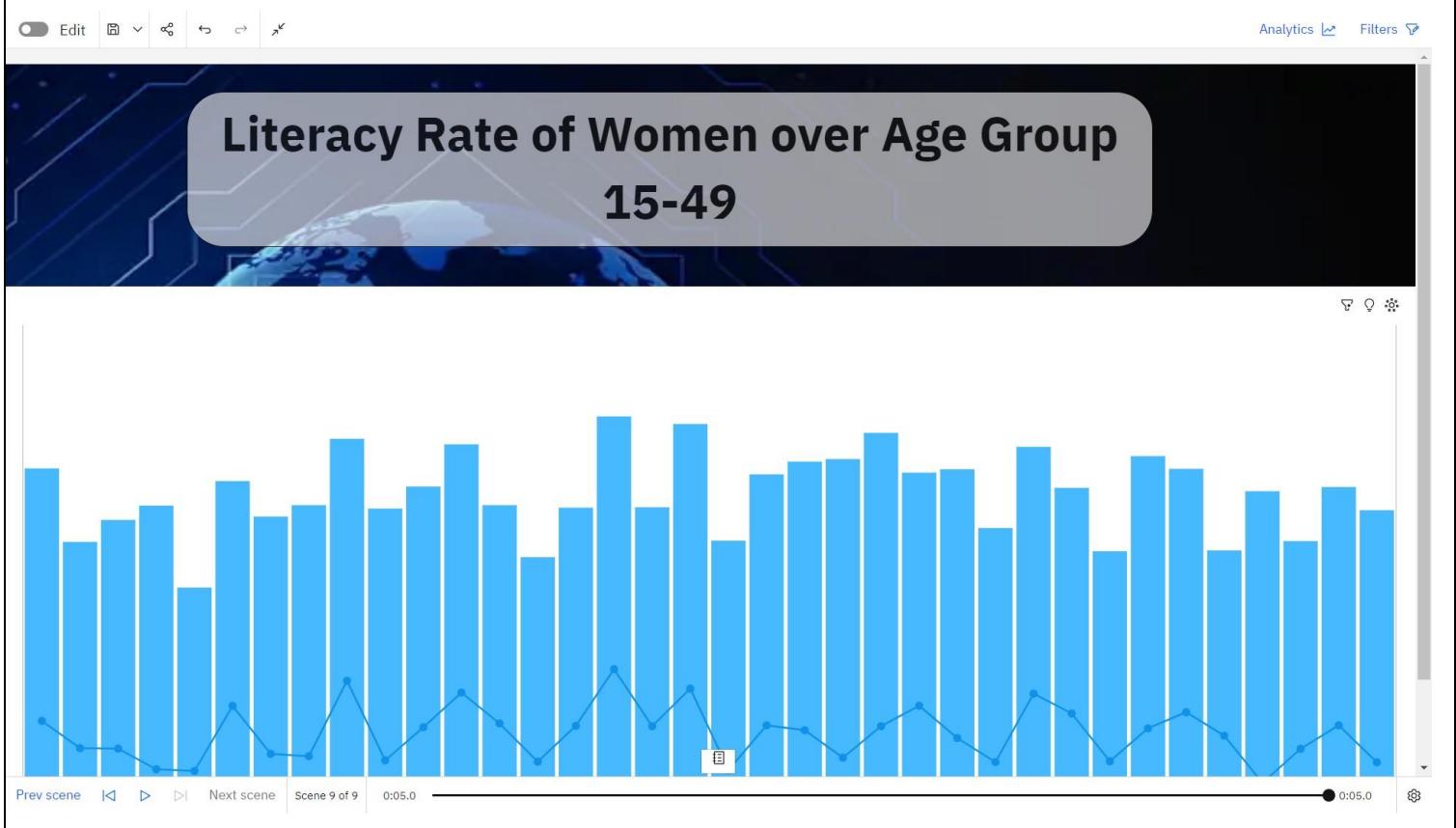
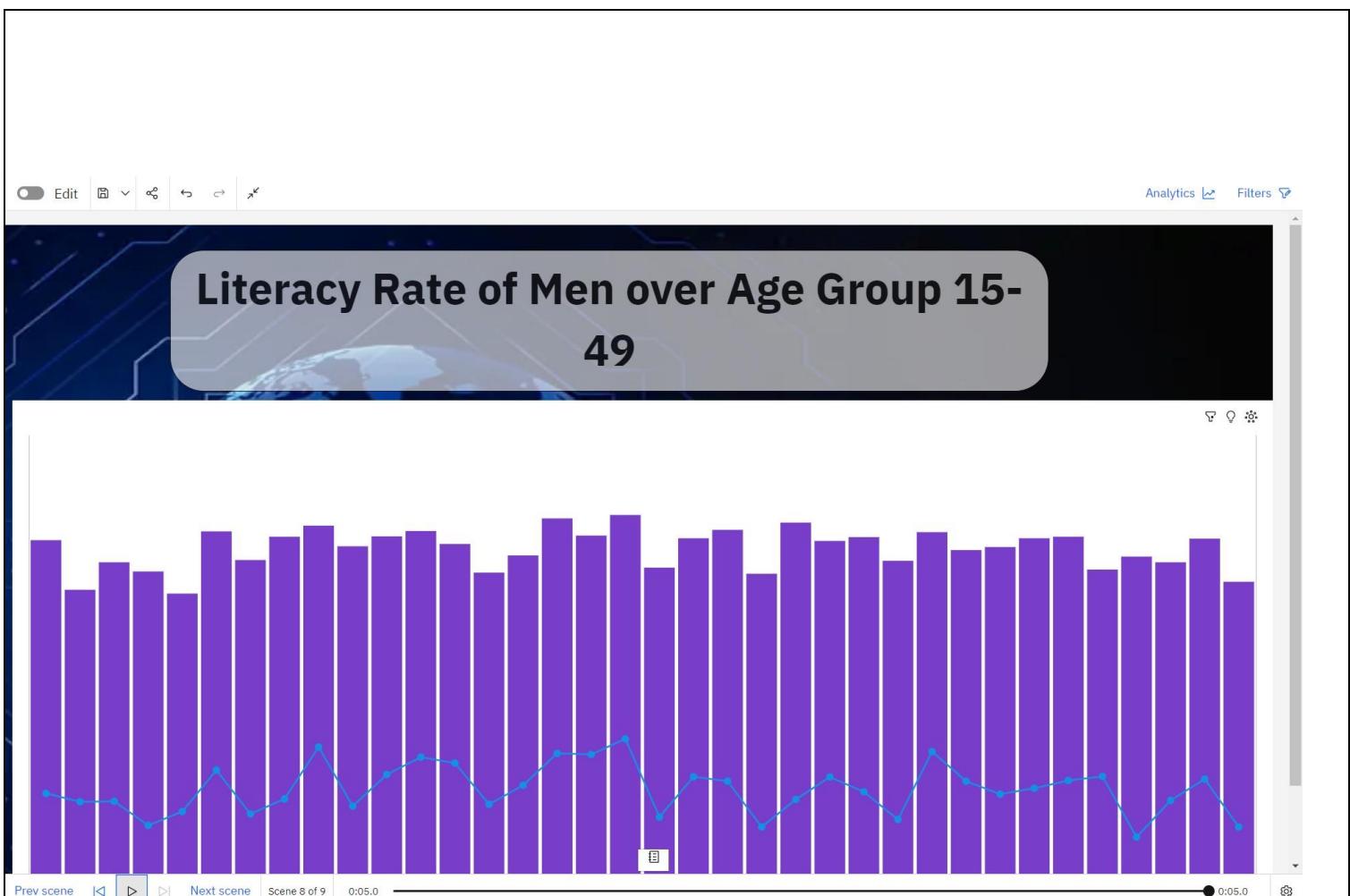
Uttarakhand and Meghalaya are states with highest children literate rate

Children Literacy Rate

Area

● Rural ● Urban





Education in India

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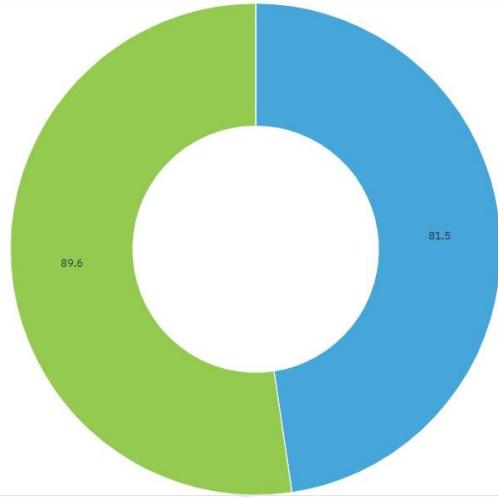
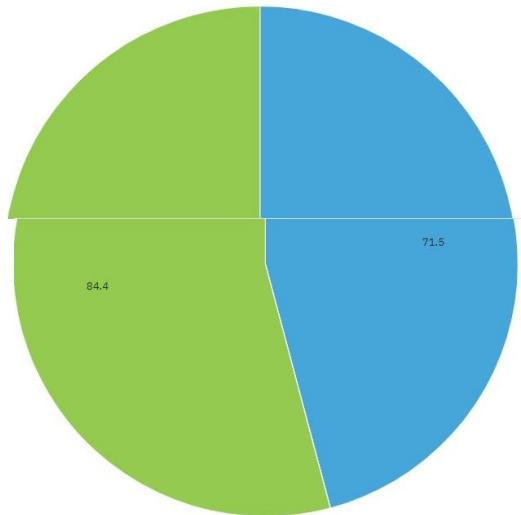
Home Dashboard Story **Report** Contact

Report

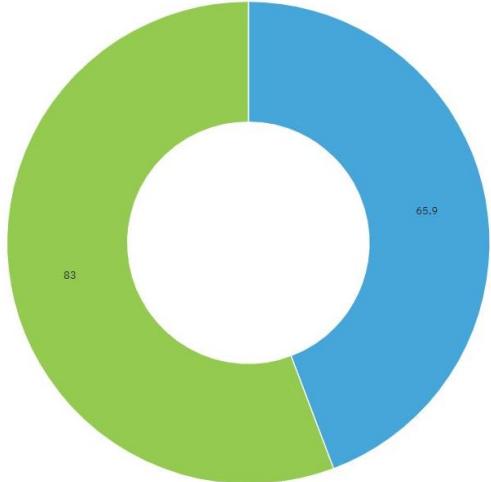
Literacy Rate Analysis for Year 2021

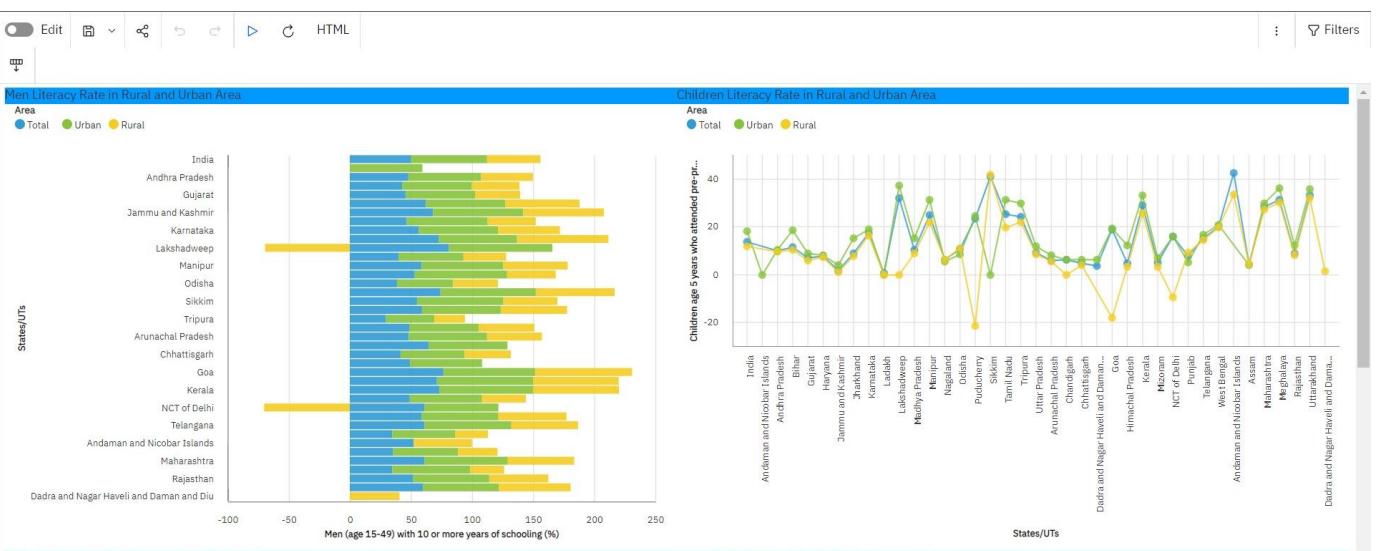
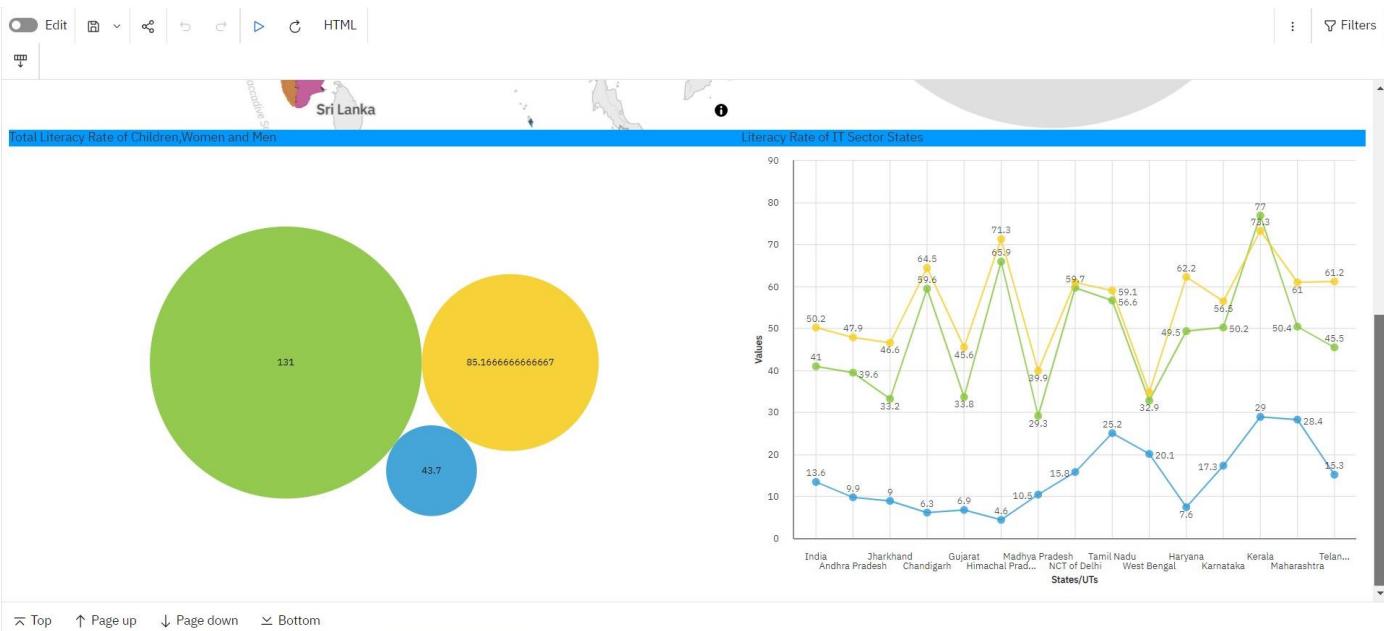
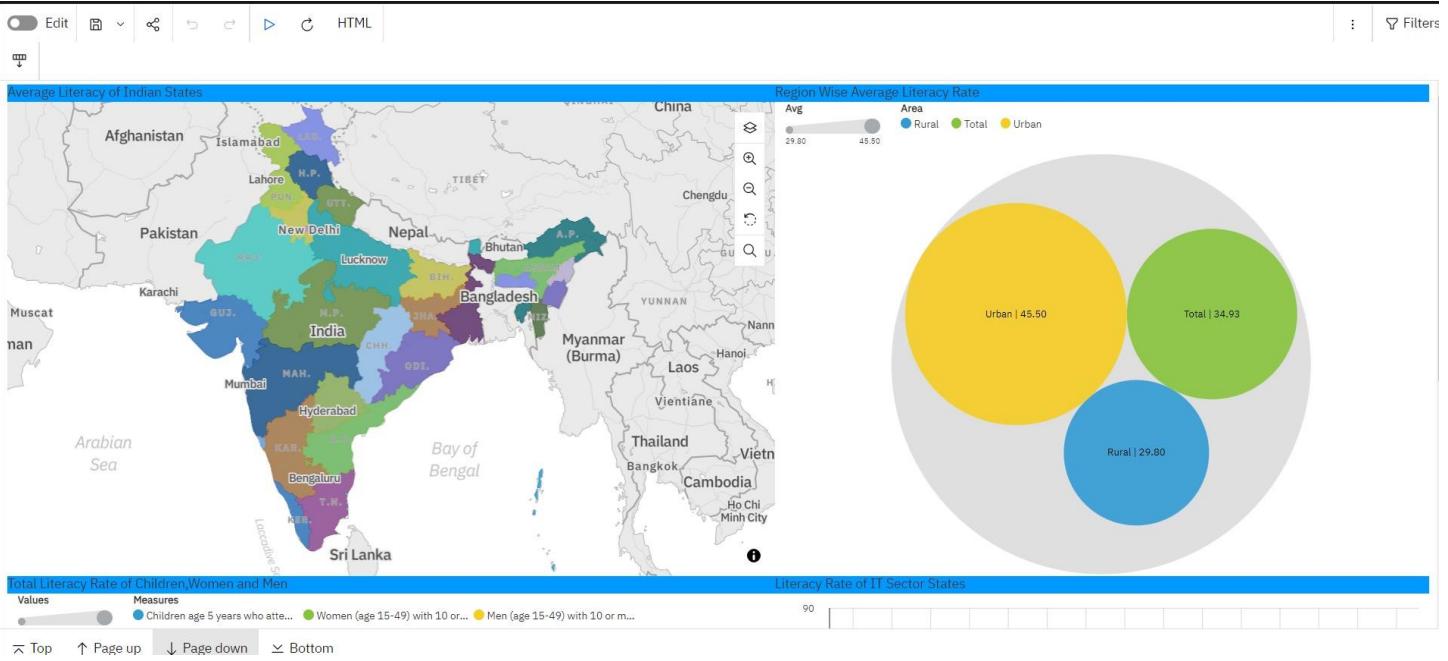
Total Men and Women in Age Group 15-49

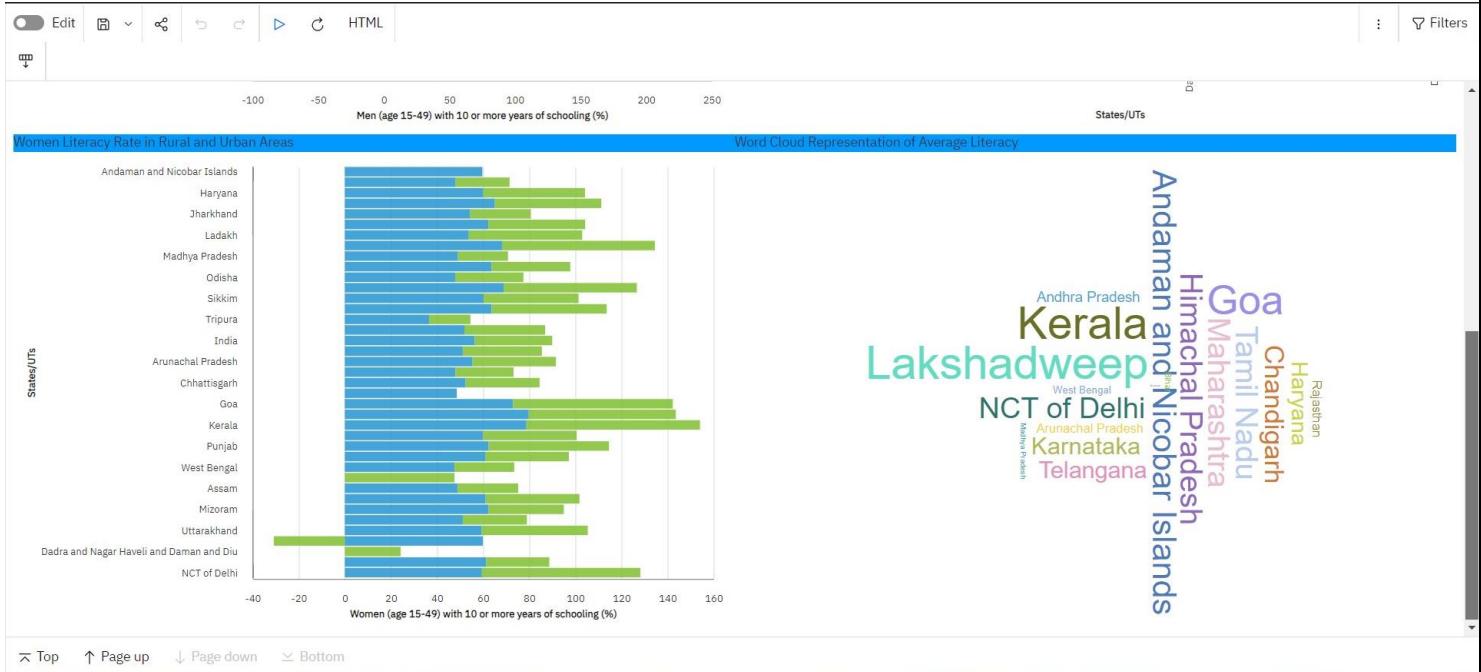
Region Wise Men in Rural and Urban Areas



Region Wise Women in Rural and Urban Areas







Contact

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Tamen quem nulla quae legam multos autem sint culpa
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.