

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

## **1. INTRODUCTION**

### **PROJECT REPORT**

**Team ID:** NM2023TMID00335

**Team Size:** 4

**Team Leader:** Maharaja.T

**Team Member:** Gururaj.S

**Team Member:** Robin Derik.A

**Team Member:** Hamilton Antony.A

### **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, it's 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 major 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's still lag 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.

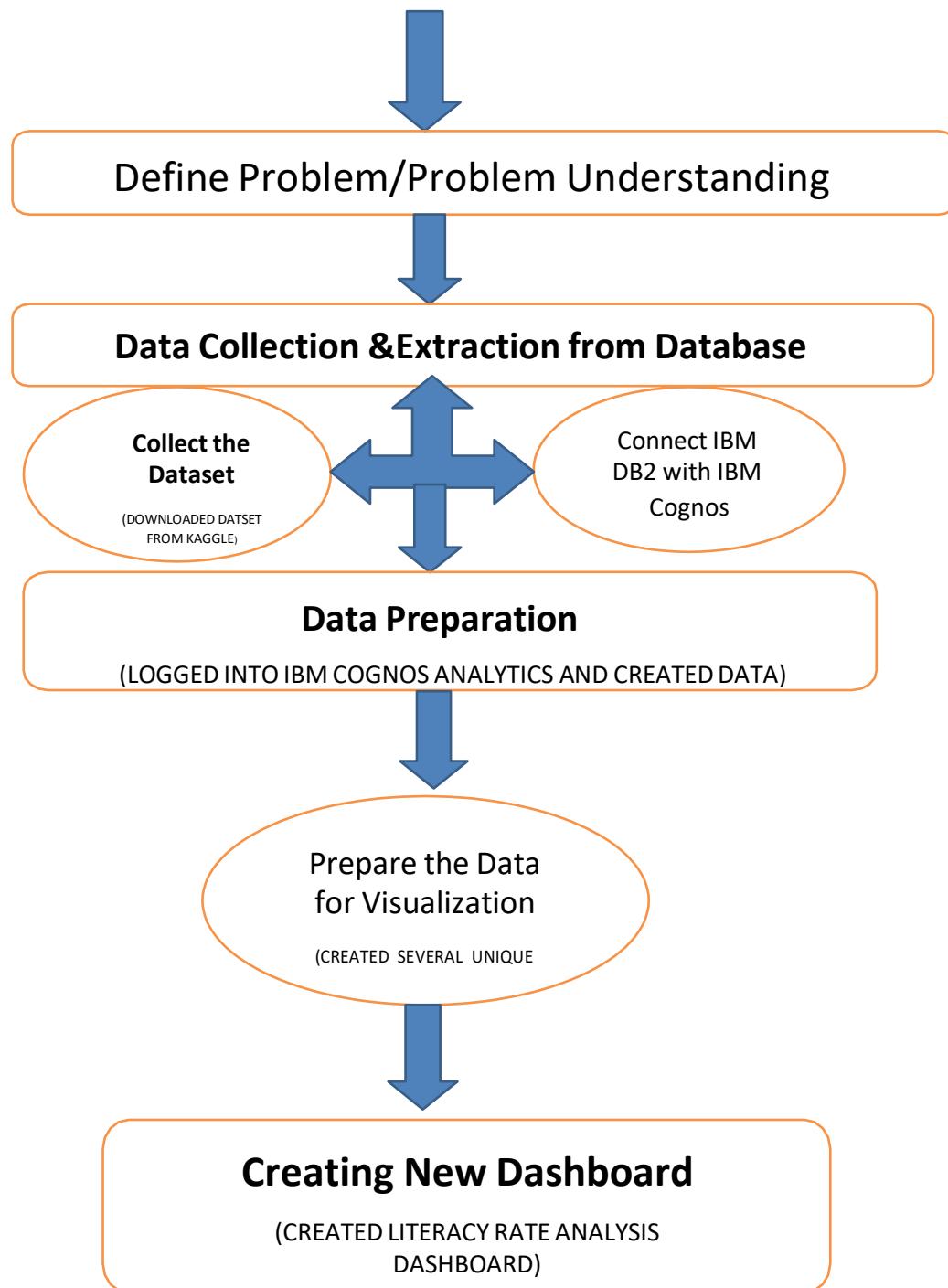
### 2.2 PROPOSED SOLUTION:

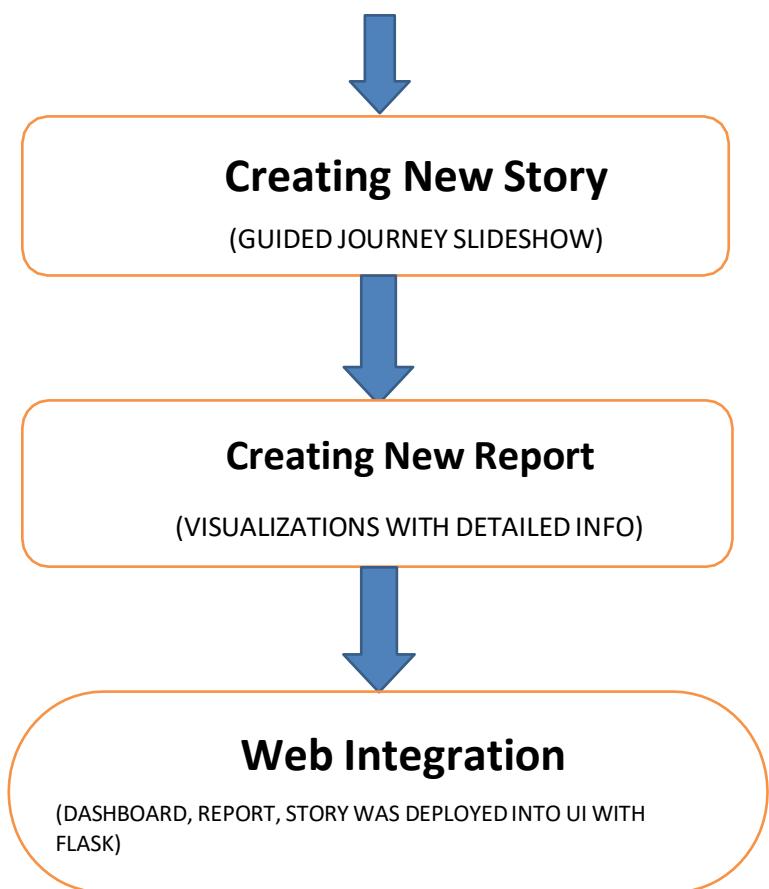
- Read aloud. Early reading can hugely benefit from collective read-alouds.
- Graphic organizers
- Encouraging students to bring their own, special experiences
- Group discussions.

### 3. THEORITICAL ANALYSIS:

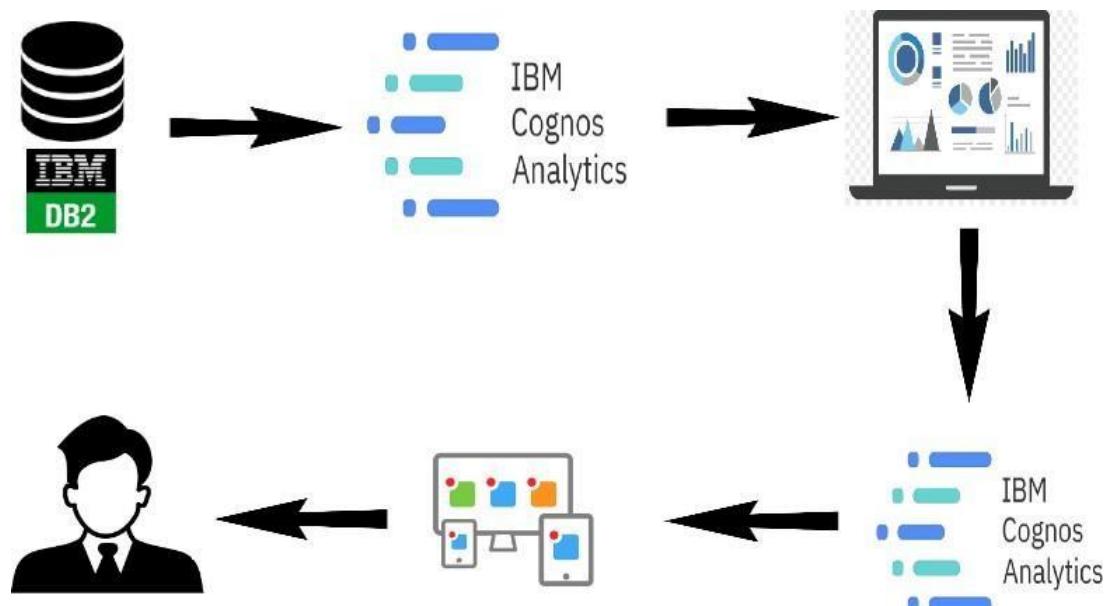
#### 3.1 Block diagram

#### Empowering The Future: A Literacy Rate Analysis for better Future





## TECHNICAL ARCHITECTURE:



### 3.1 Hardware /Software designing

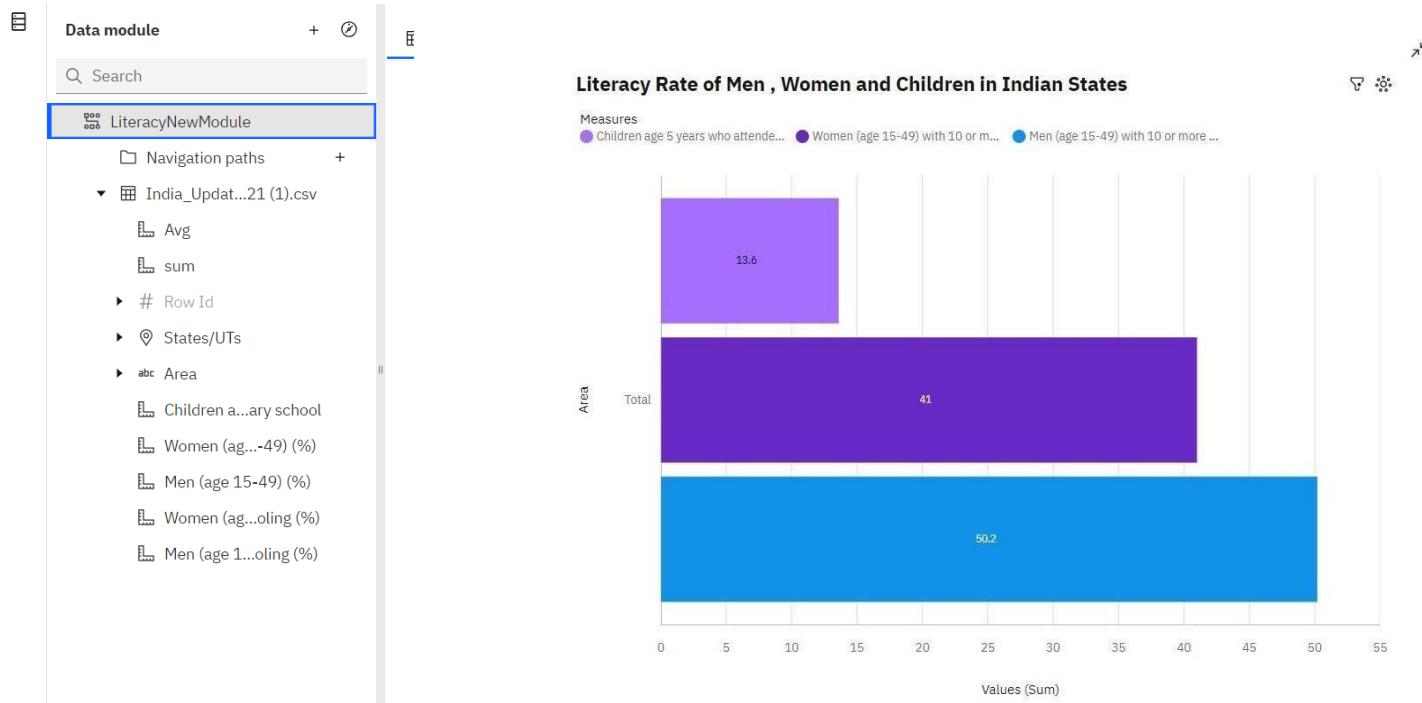
#### Hardware Requirements:

- 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:

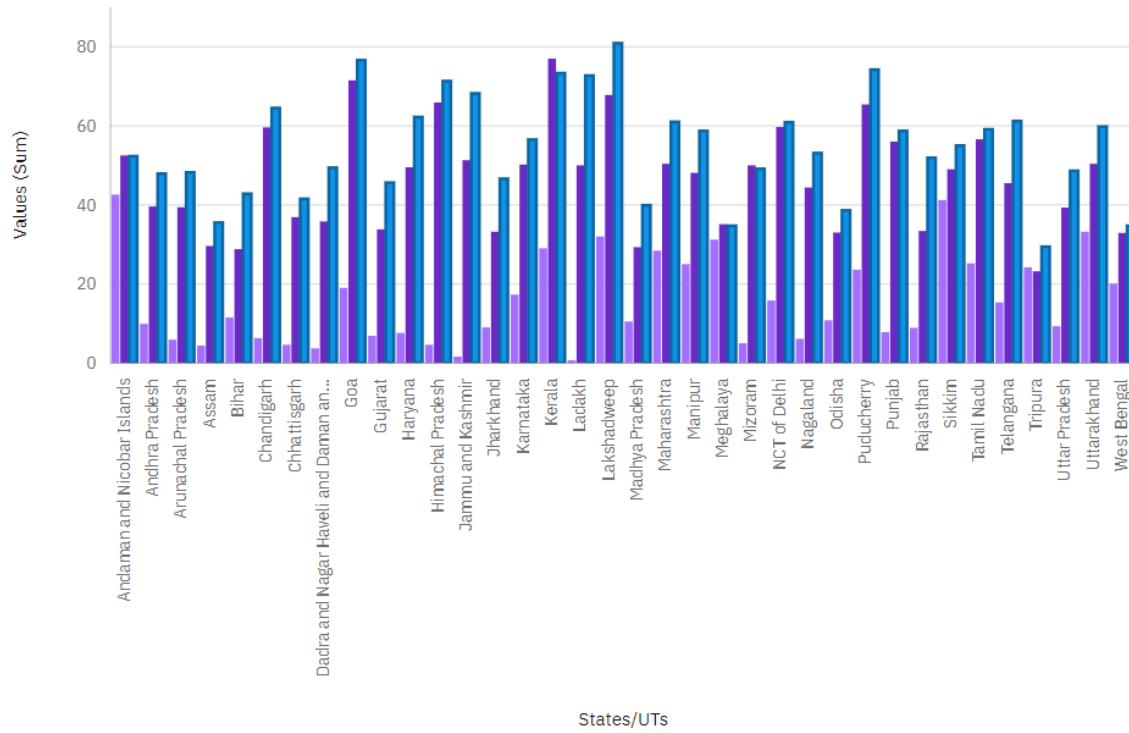


## literacy Rate of men,women and children in states

1 2 3

### Measures

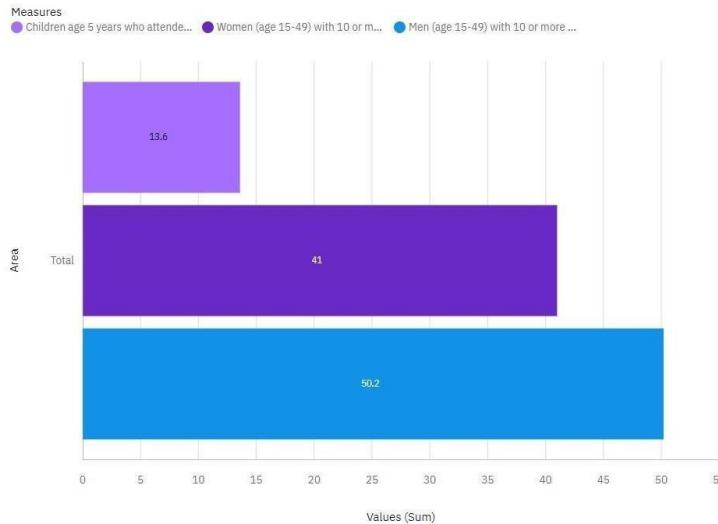
- Children age 5 years who attende...
- Women (age 15-49) with 10 or m...
- Men (age 15-49) with 10 or more ...



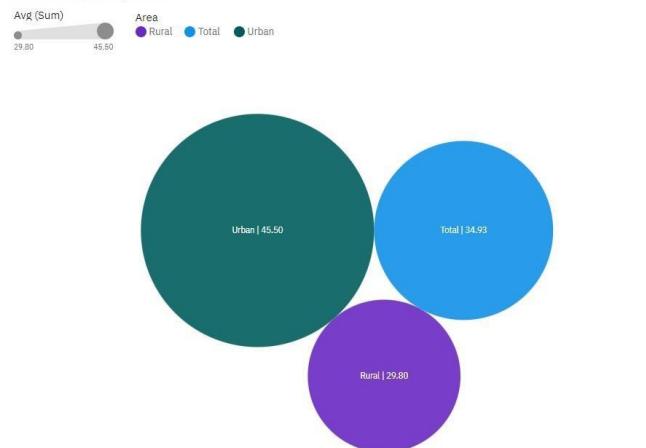
# DASHBOARD

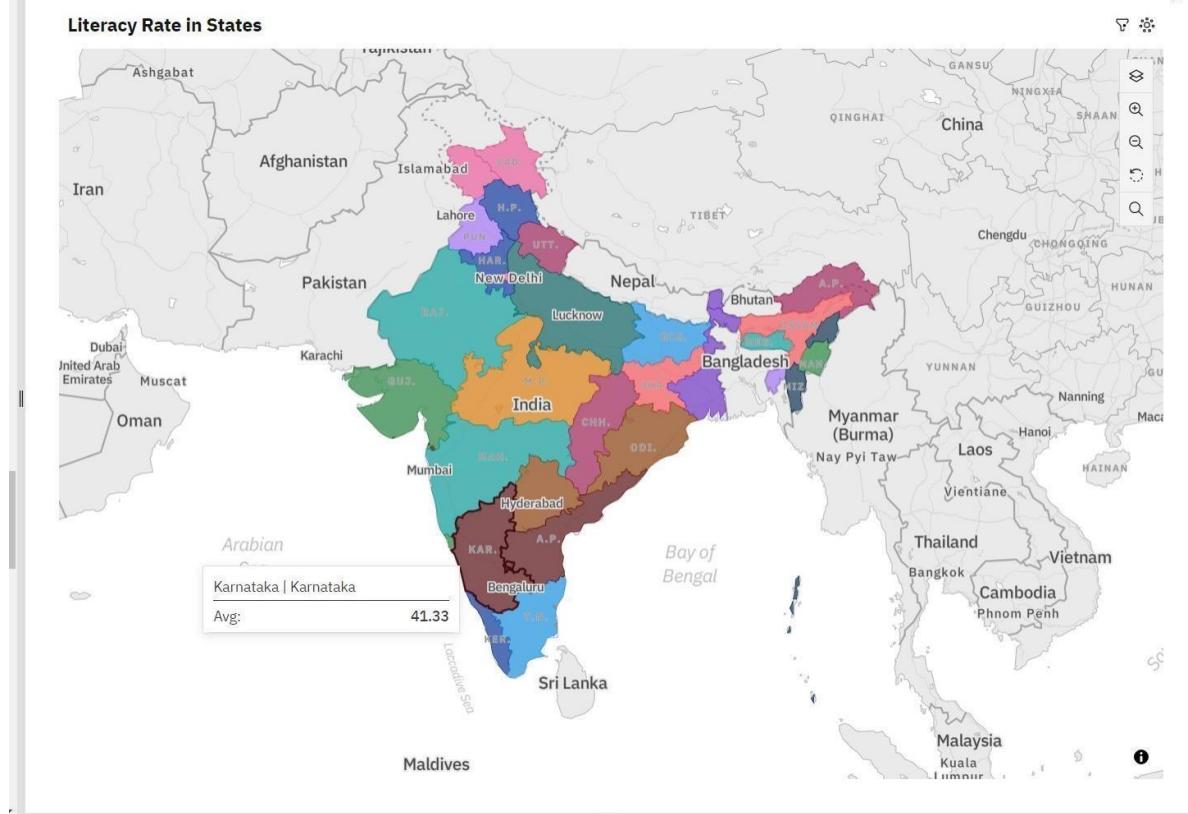


Literacy Rate of Men , Women and Children in Indian States

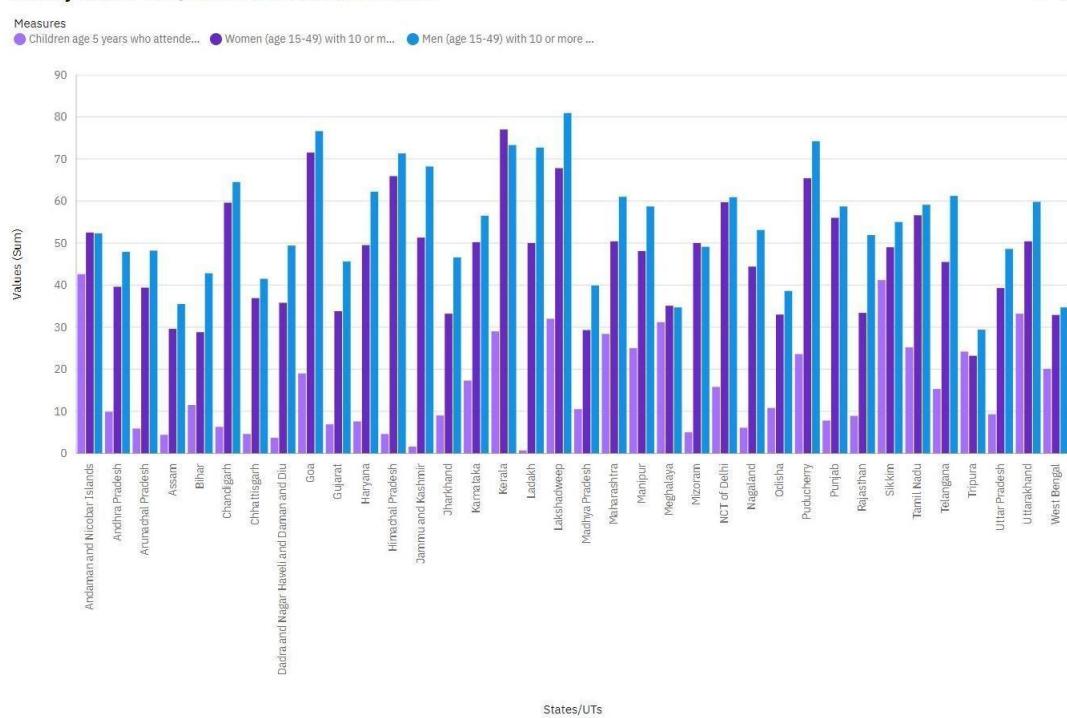


Overall Literacy Rate

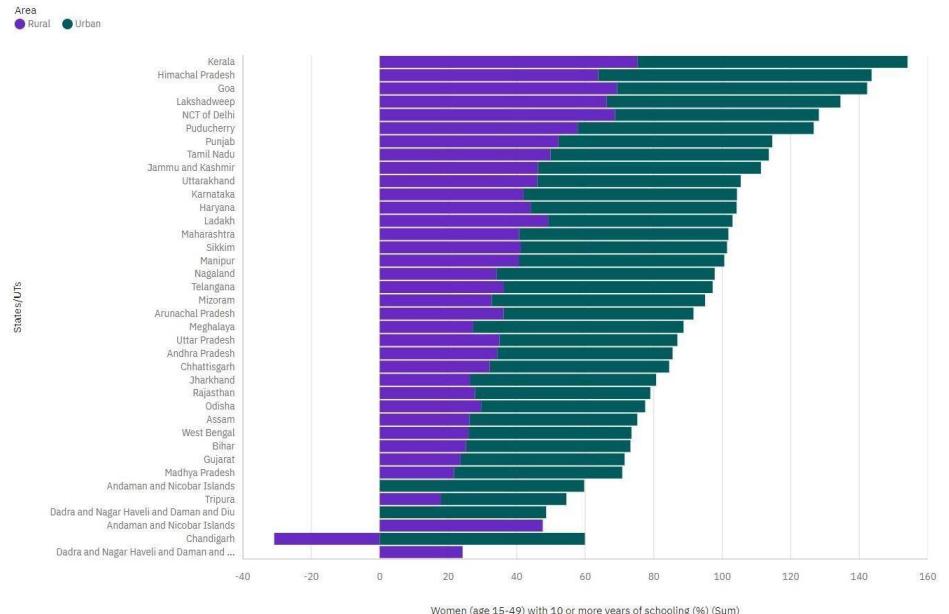




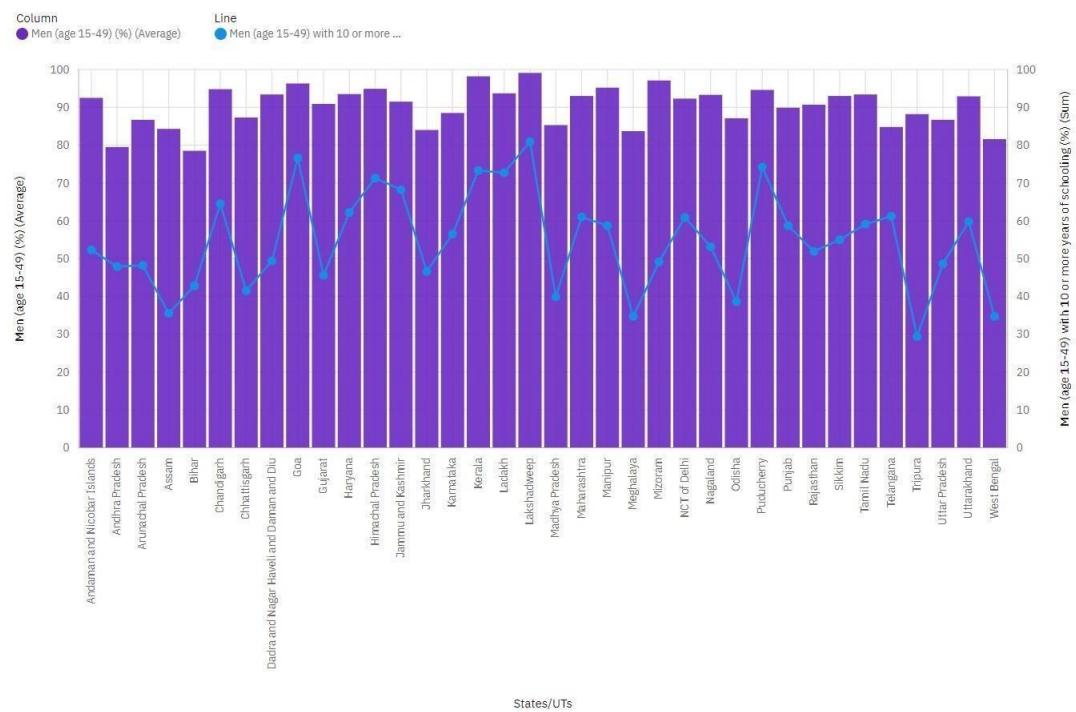
### literacy Rate of men,women and children in states



### 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

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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
Total	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

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

**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, Gujarat, Bihar, Uttar Pradesh, Tamil Nadu, and Jharkhand. The bars are colored in a gradient from green to blue.

State	Avg. (Sum)
Lakshadweep	60.00
Jammu and Kashmir	59.00
Andaman and Nicobar Islands	50.00
Uttarakhand	48.00
Gujarat	48.00
Bihar	48.00
Uttar Pradesh	47.00
Tamil Nadu	47.00
Jharkhand	47.00
Dadra and Nagar Haveli	47.00

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

**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. The bars are colored in a gradient from blue to dark teal.

State	Avg. (Sum)
Assam	23.00
Tripura	26.00
Madhya Pradesh	26.00
Odisha	27.00
Chhattisgarh	27.00
Bihar	27.00
Gujarat	28.00
West Bengal	29.00
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

Prev scene Next scene Scene 5 of 9 0:05.0

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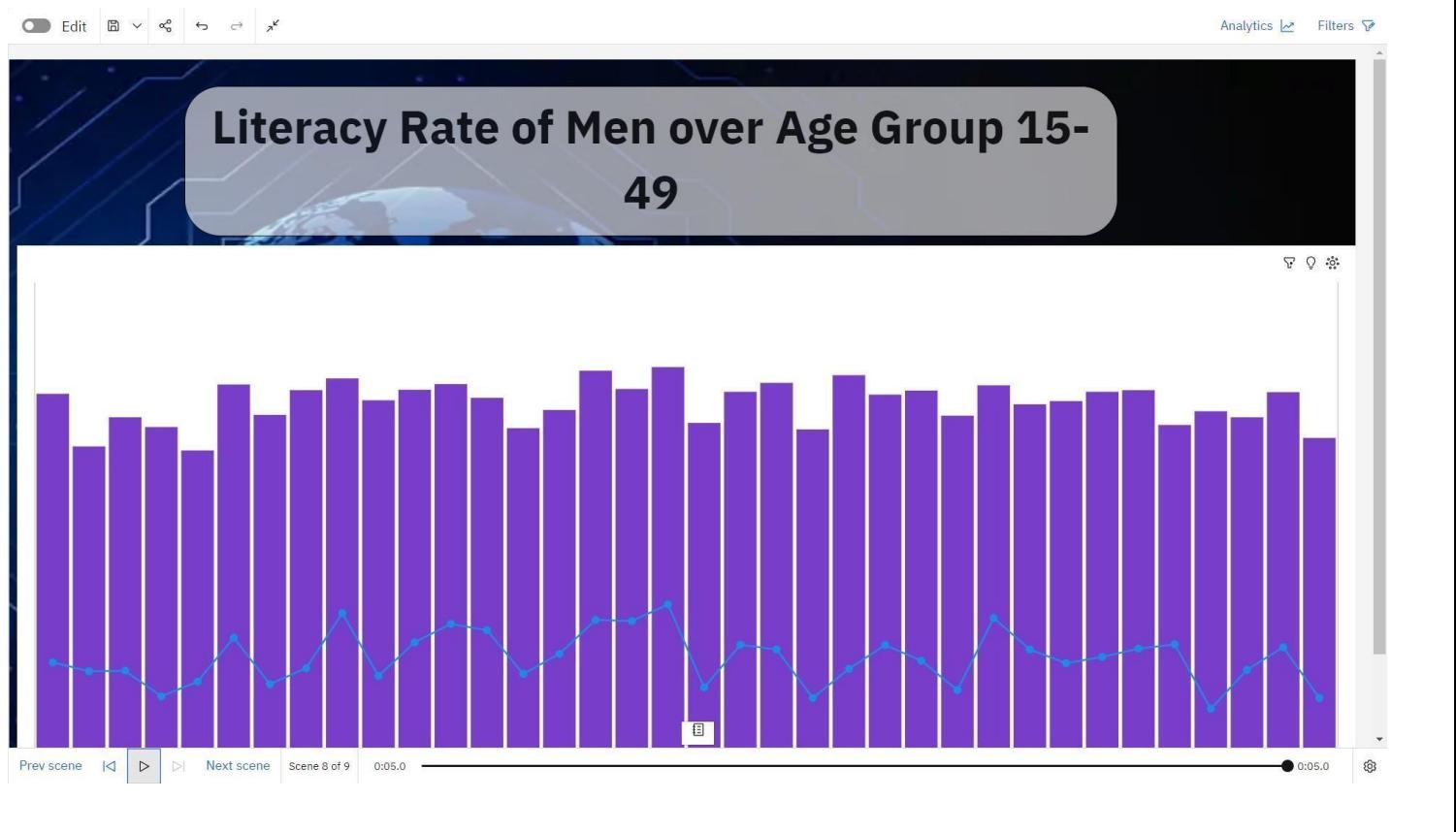
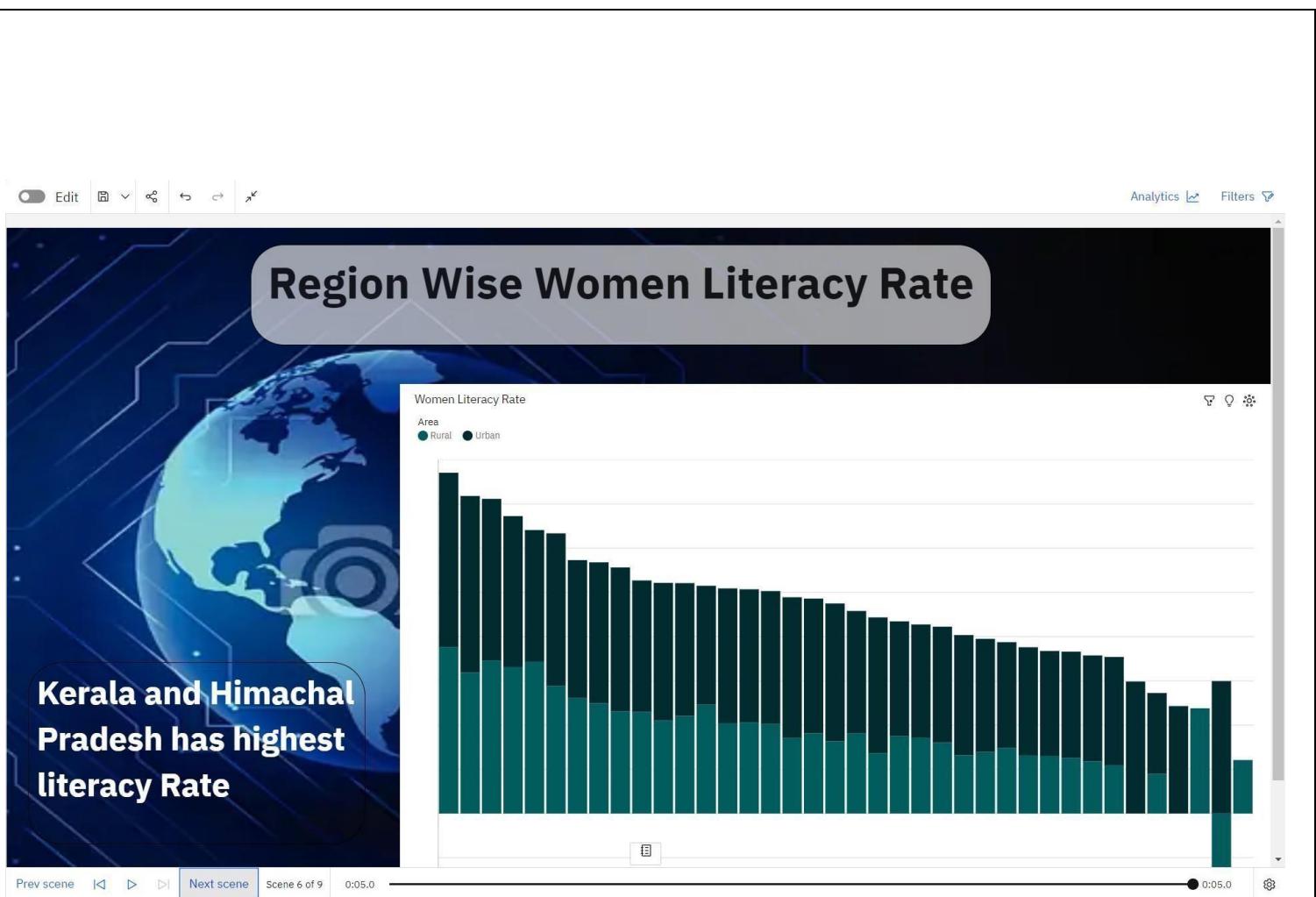
# Region Wise Women Literacy Rate

Kerala and Himachal Pradesh has highest literacy Rate

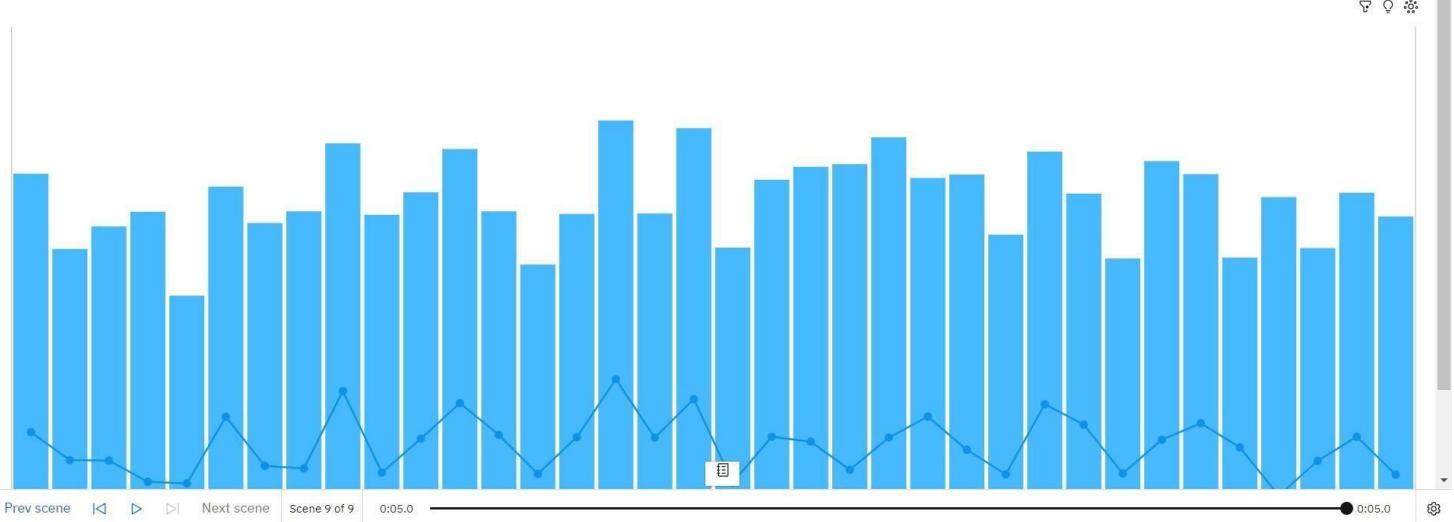
Women Literacy Rate

Area  
● Rural ● Urban

Prev scene Next scene Scene 6 of 9 0:05.0



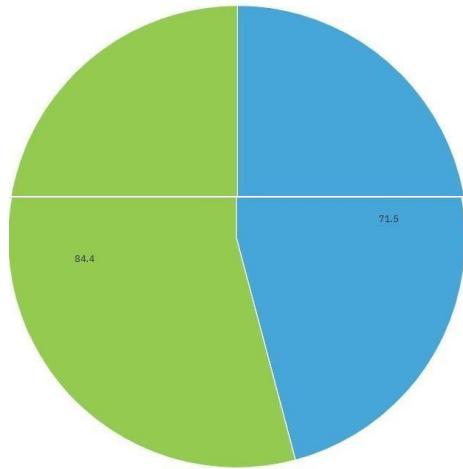
# Literacy Rate of Women over Age Group 15-49



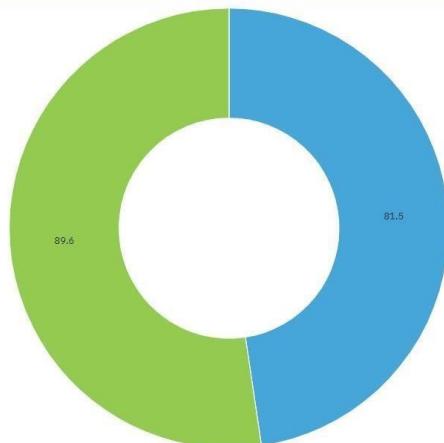
# REPORT

Literacy Rate Analysis for Year 2021

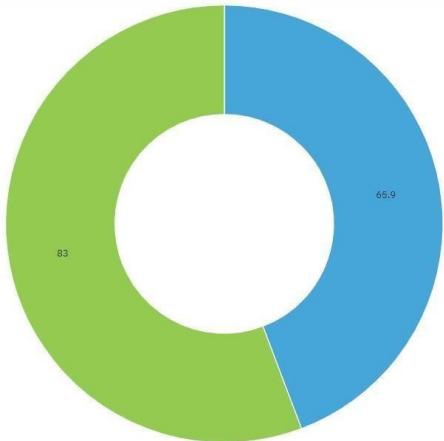
Total Men and Women in Age Group 15-49

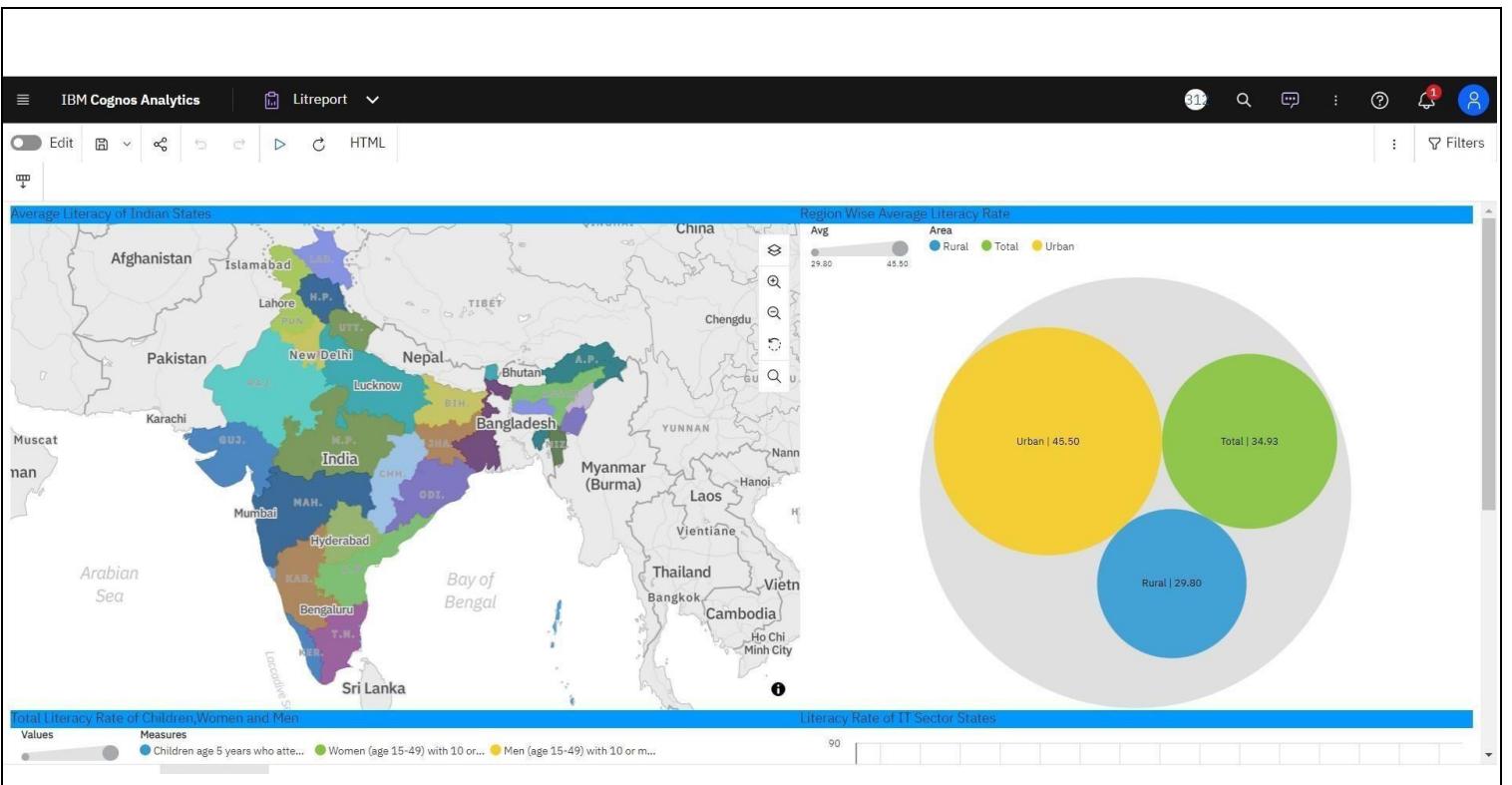


Region Wise Men in Rural and Urban Areas

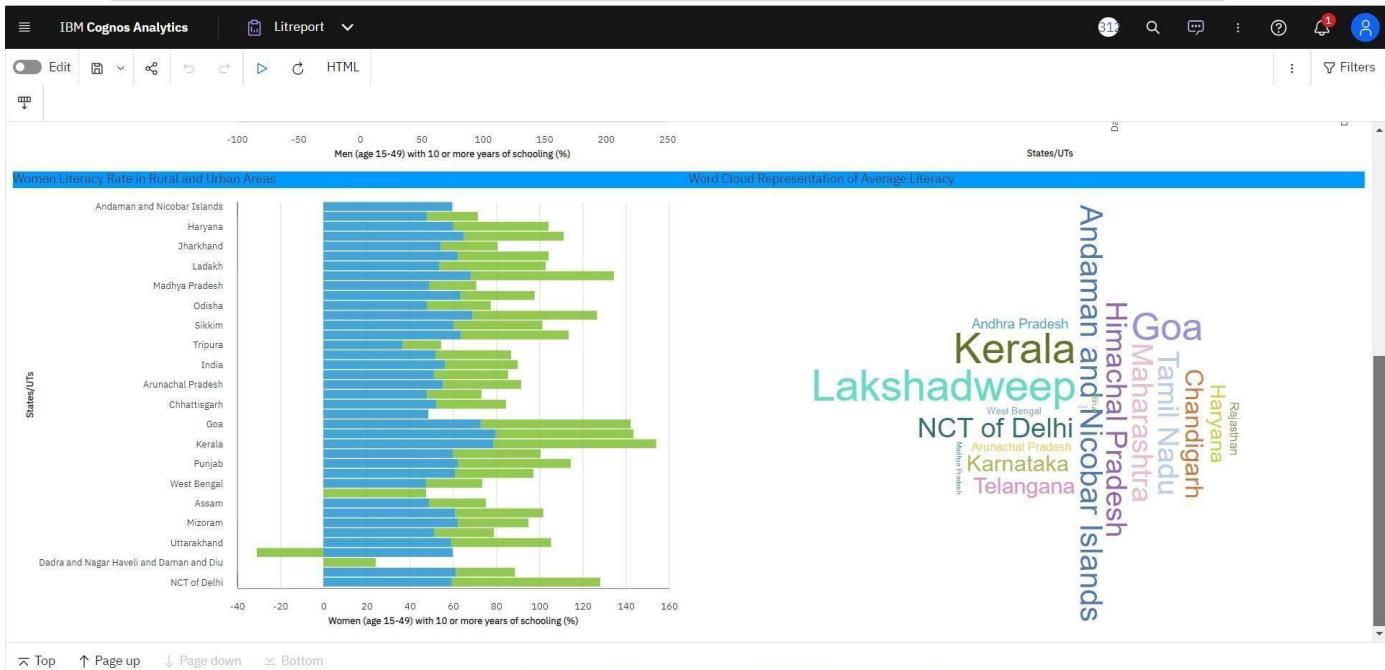


Region Wise Women in Rural and Urban Areas





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# WEB INTEGRATION

← → ⌂ File | D:/Bikin/index.html#about

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

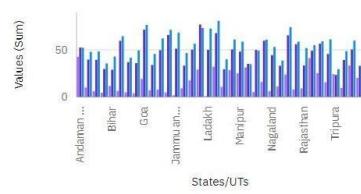


# Education in India

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

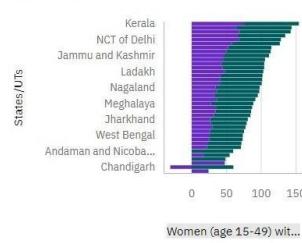
## literacy Rate of men,women and children in states

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

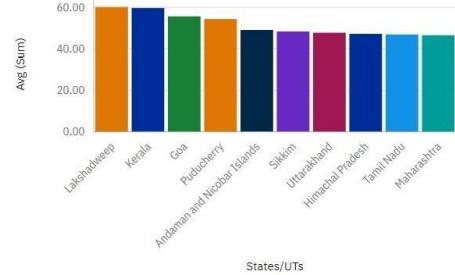


## Women Literacy Rate in Rural and Urban Areas

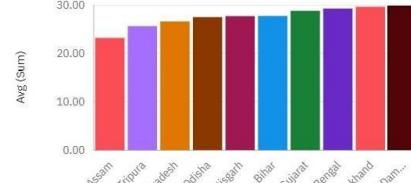
Area  
● Rural ● Urban



## Top 10 Literate States



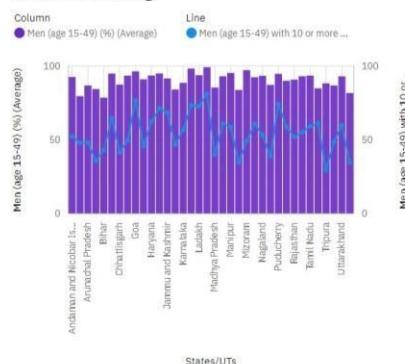
## Bottom 10 Literate States



## Education in India

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[Tab 1](#) [Tab 2](#) [Tab 3](#) [Tab 4](#)

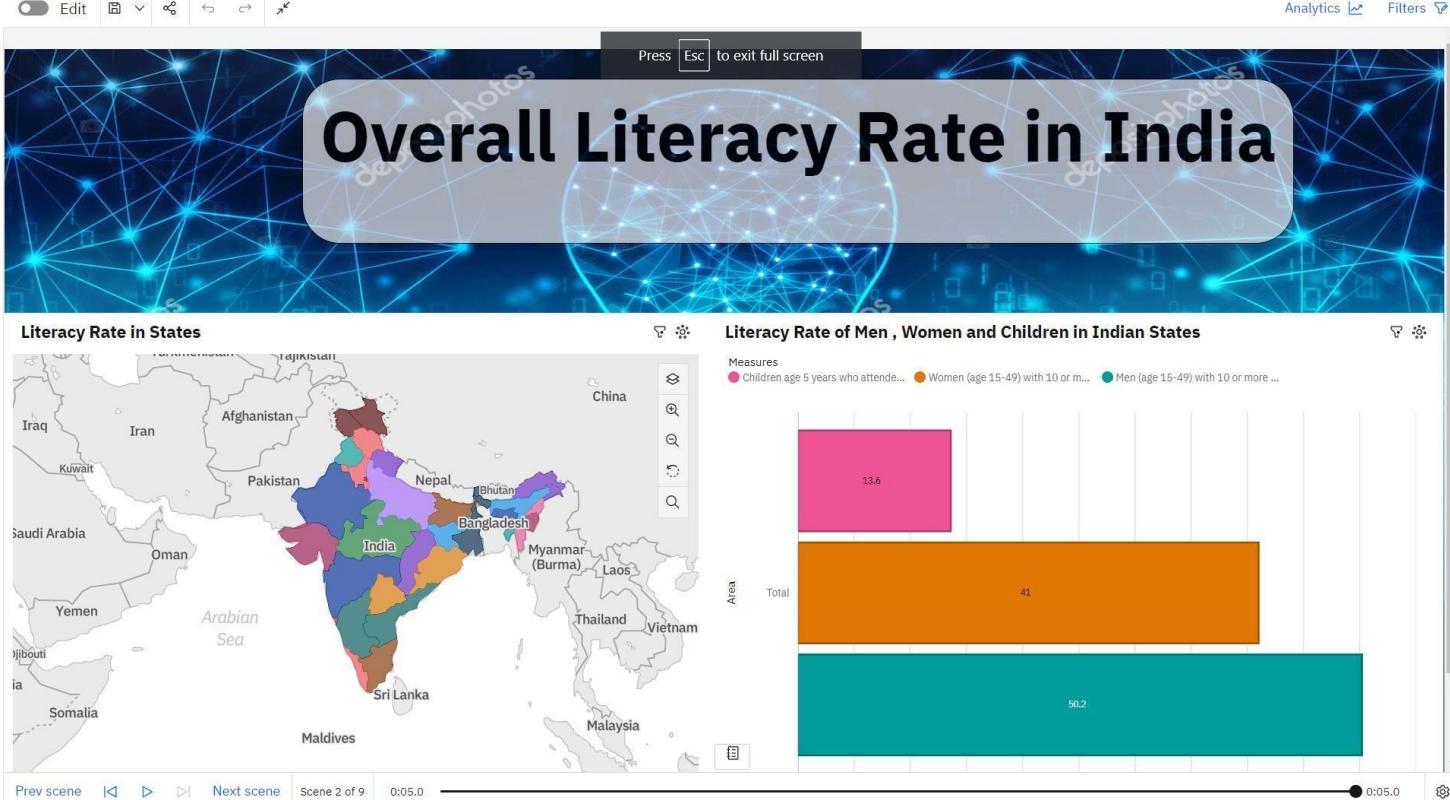
### Men with Age Group 15-49 Over Those who attended Schooling



## Education in India

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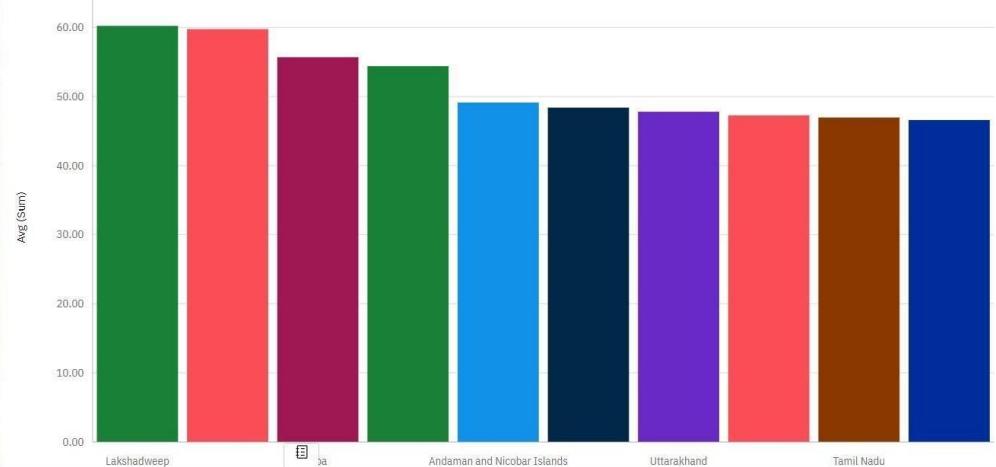
### Story



## Top Literacy Rate

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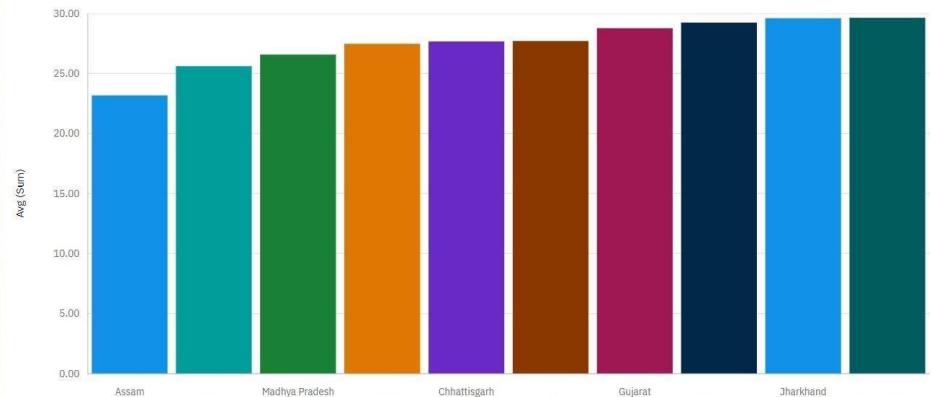
Top 10 Literate States



## Bottom Literacy Rate

Assam and Tripura  
are bottom  
Literacy States

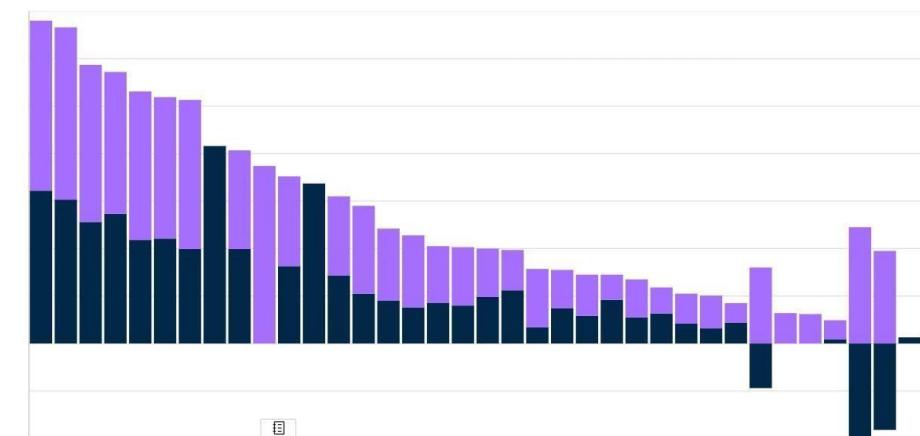
Bottom 10 Literate States



## Region Wise Children Literacy Rate

Uttarakhand and Meghalaya are states with highest children literate rate

Children Literacy Rate

Area:  
● Rural ● Urban

Prev scene



Next scene

Scene 5 of 9

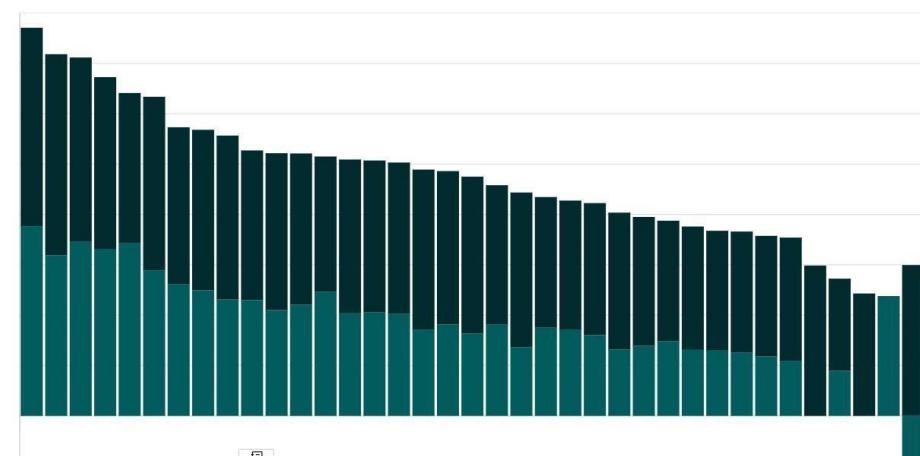
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## Region Wise Women Literacy Rate

Kerala and Himachal Pradesh has highest literacy Rate

Women Literacy Rate

Area:  
● Rural ● Urban

Prev scene

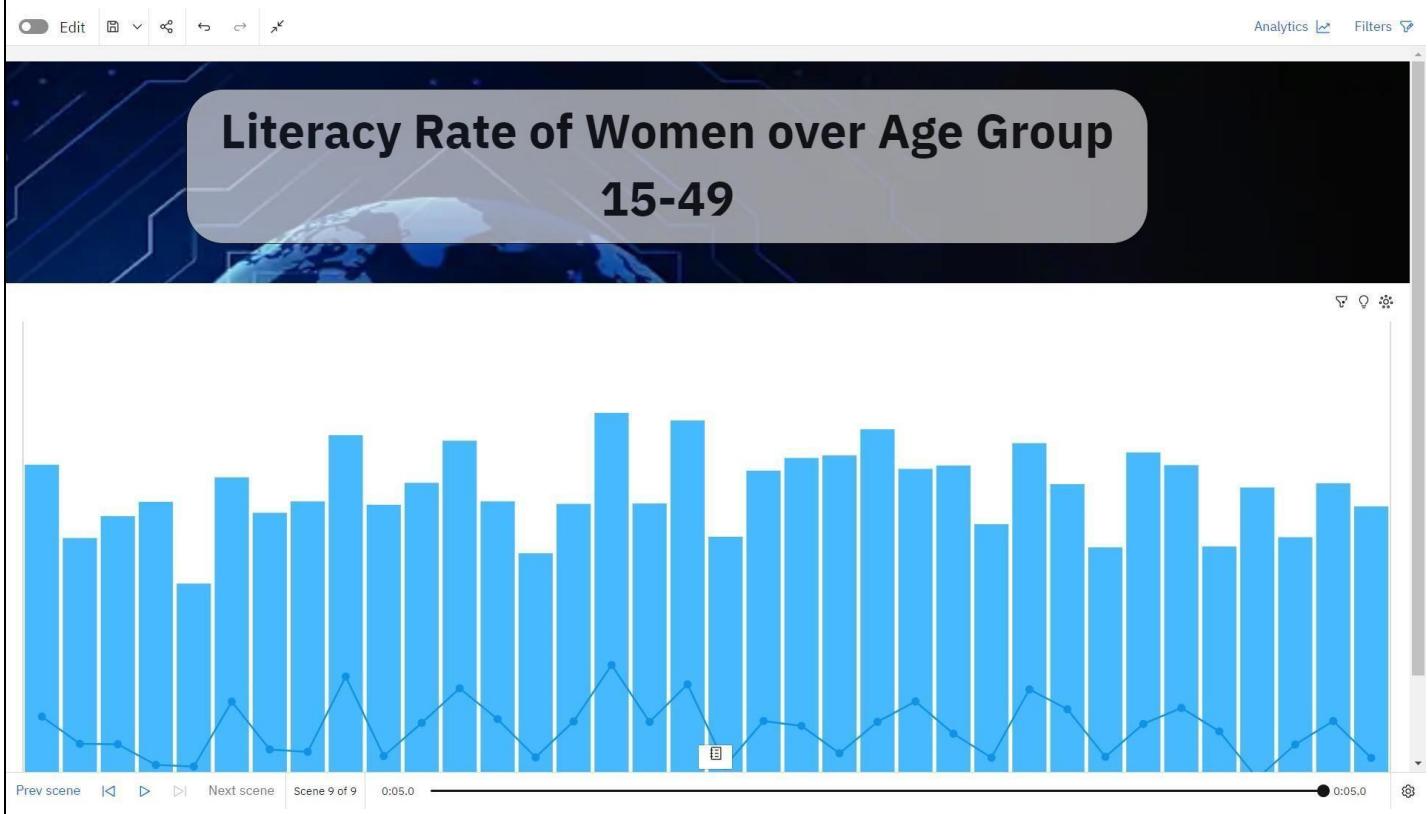
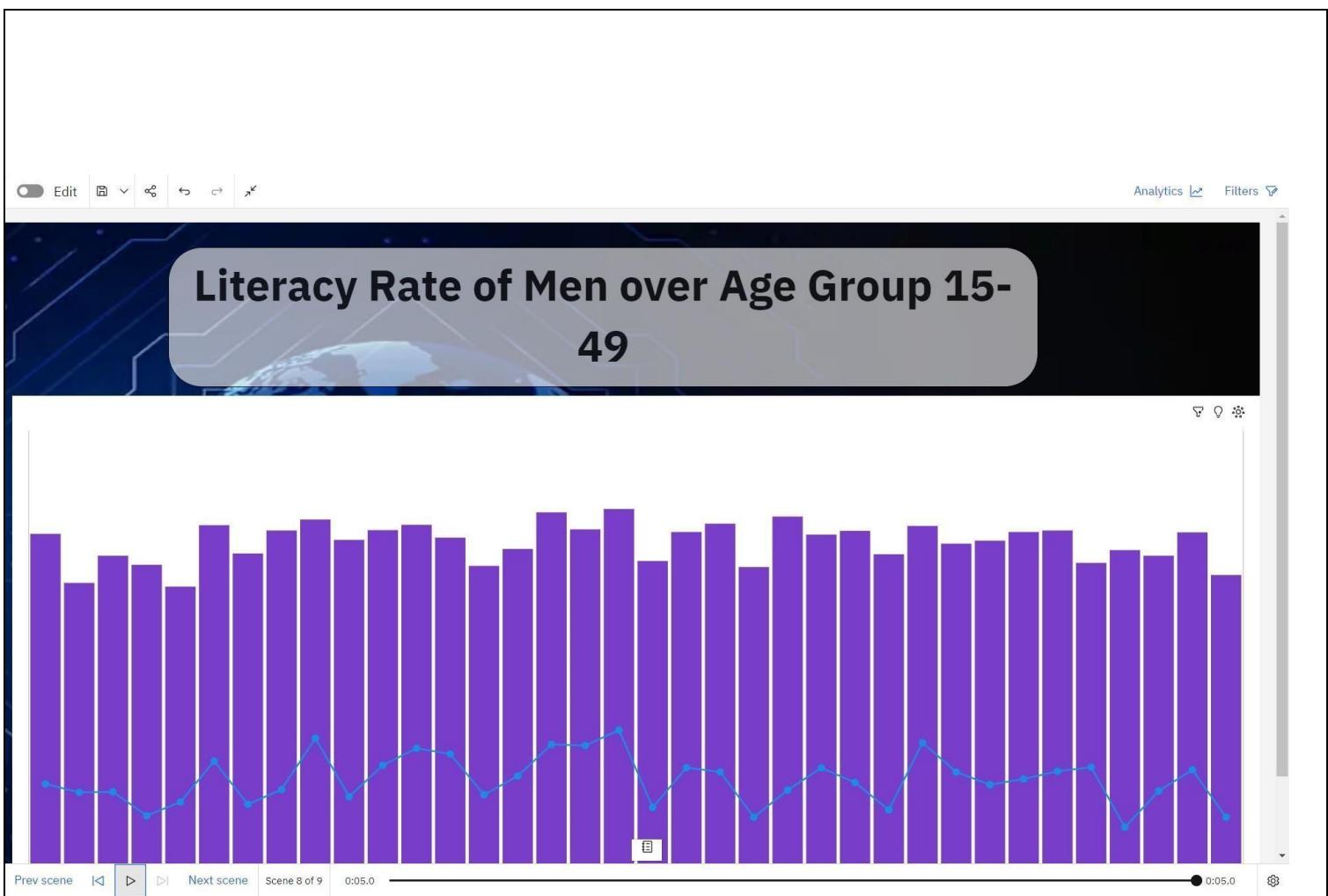


Next scene

Scene 6 of 9

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## Education in India

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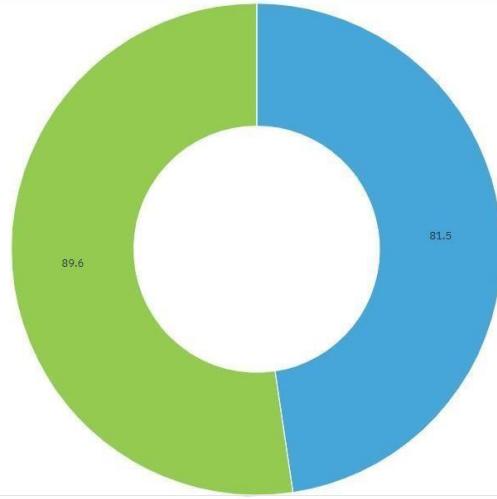
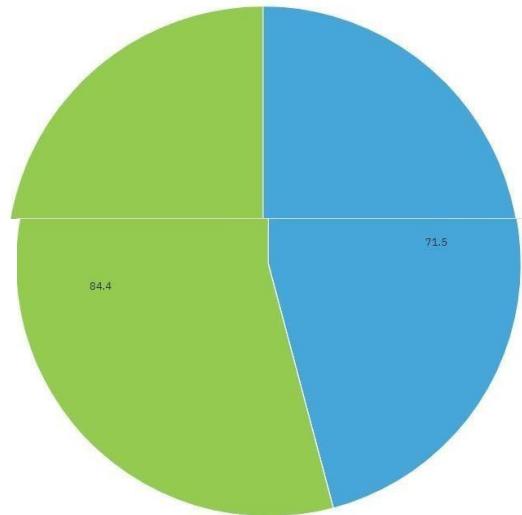
Home Dashboard Story Report Contact

### Report

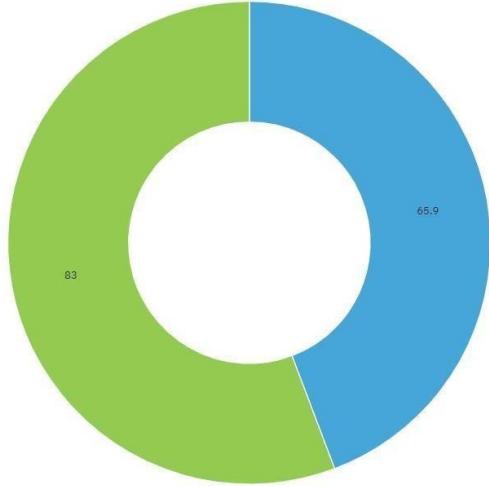
Literacy Rate Analysis for Year 2021

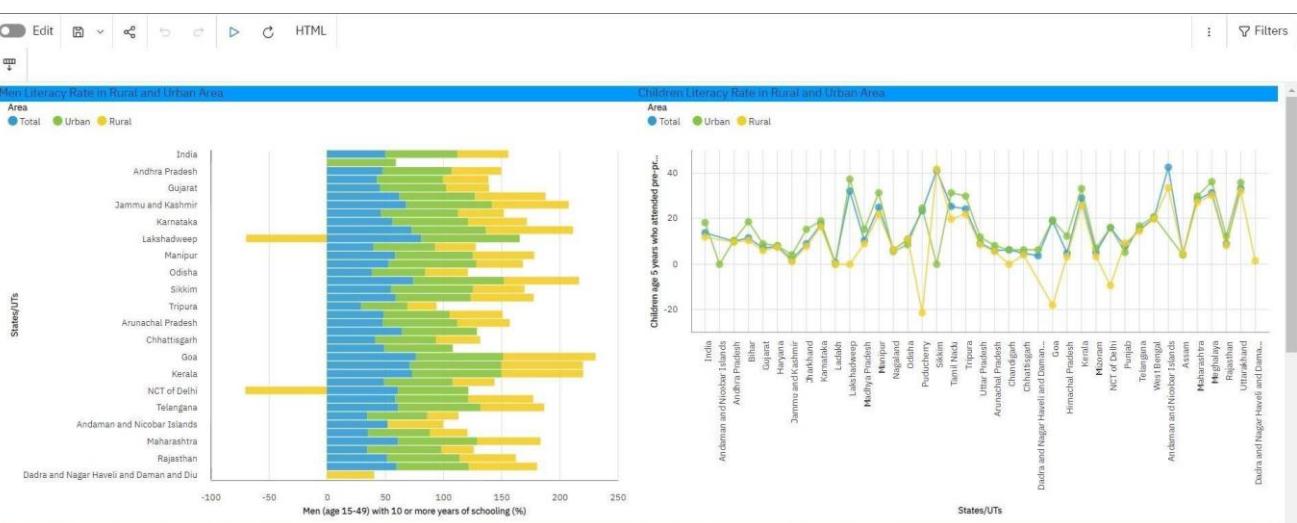
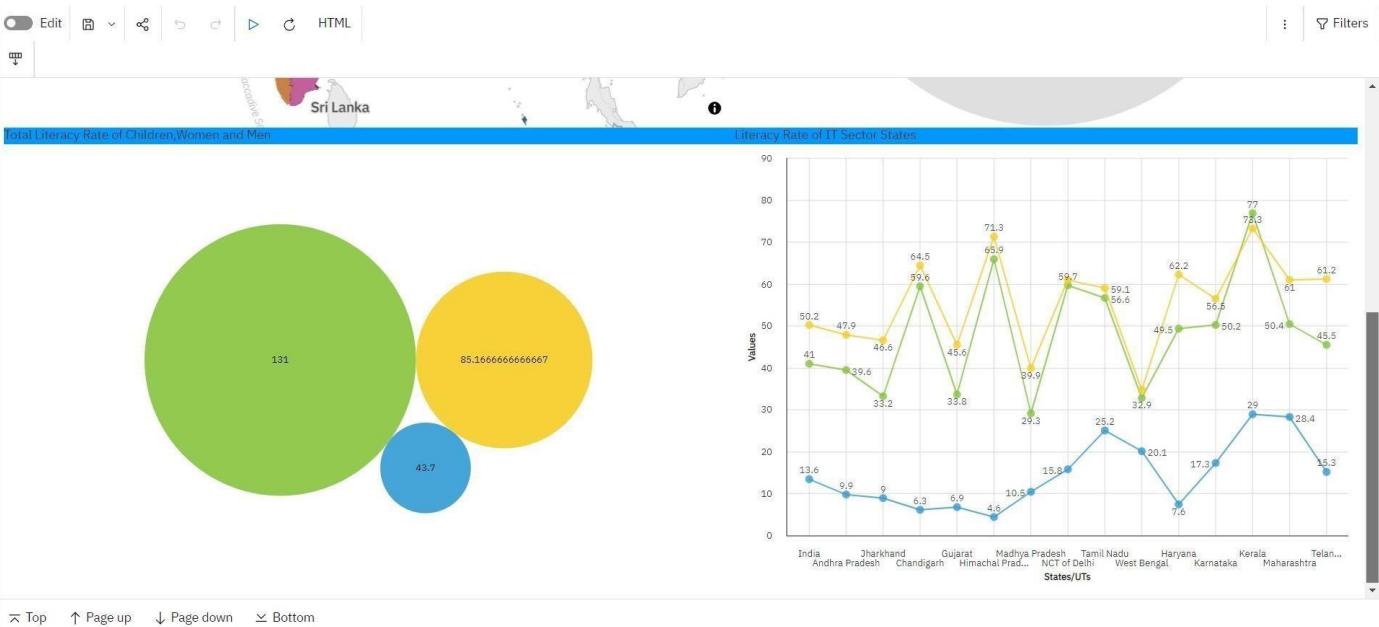
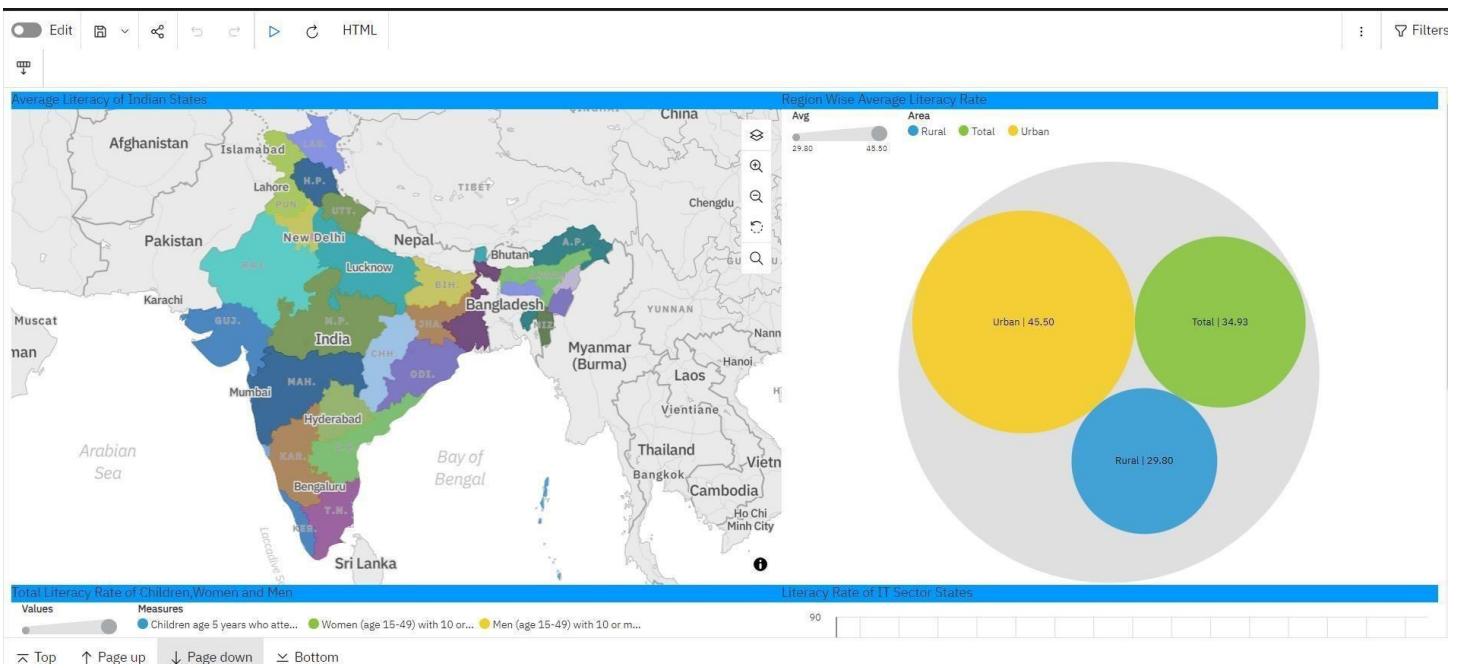
Total Men and Women in Age Group 15-49

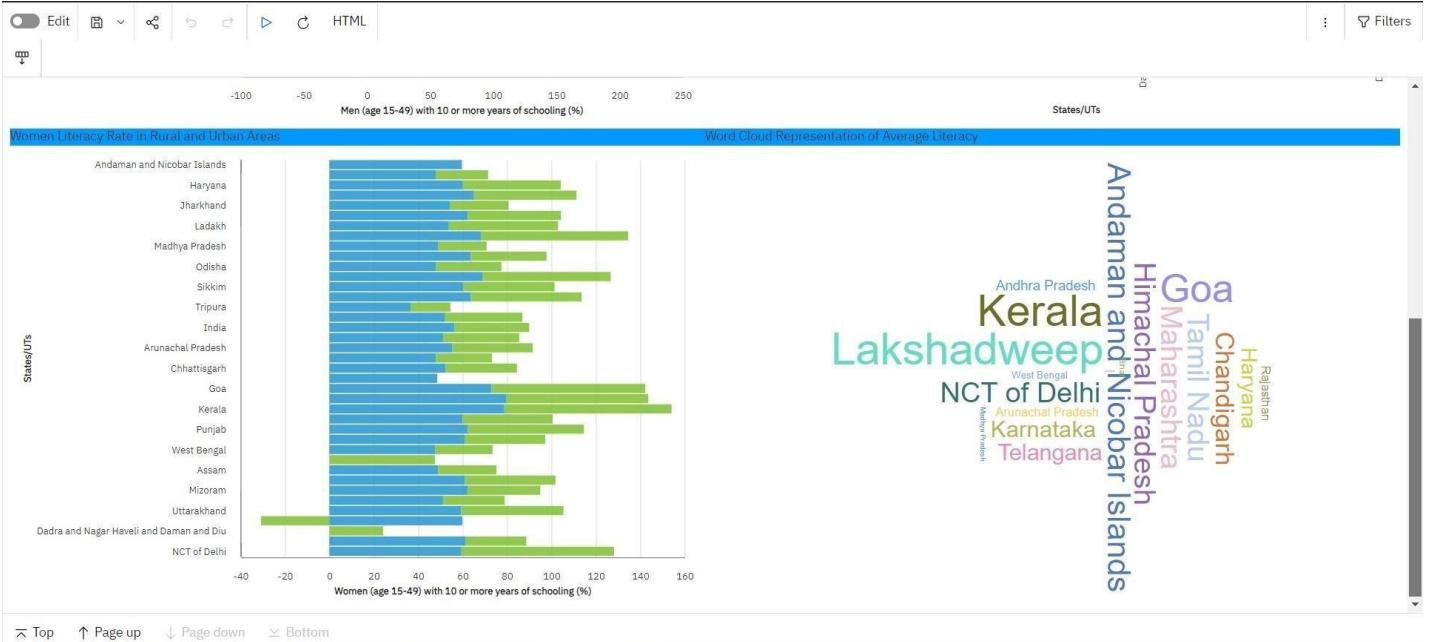
Region Wise Men in Rural and Urban Areas



Region Wise Women in Rural and Urban Areas







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## 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.