2011 Census Report

Real world Dataset.

Priyanshu Tiwari

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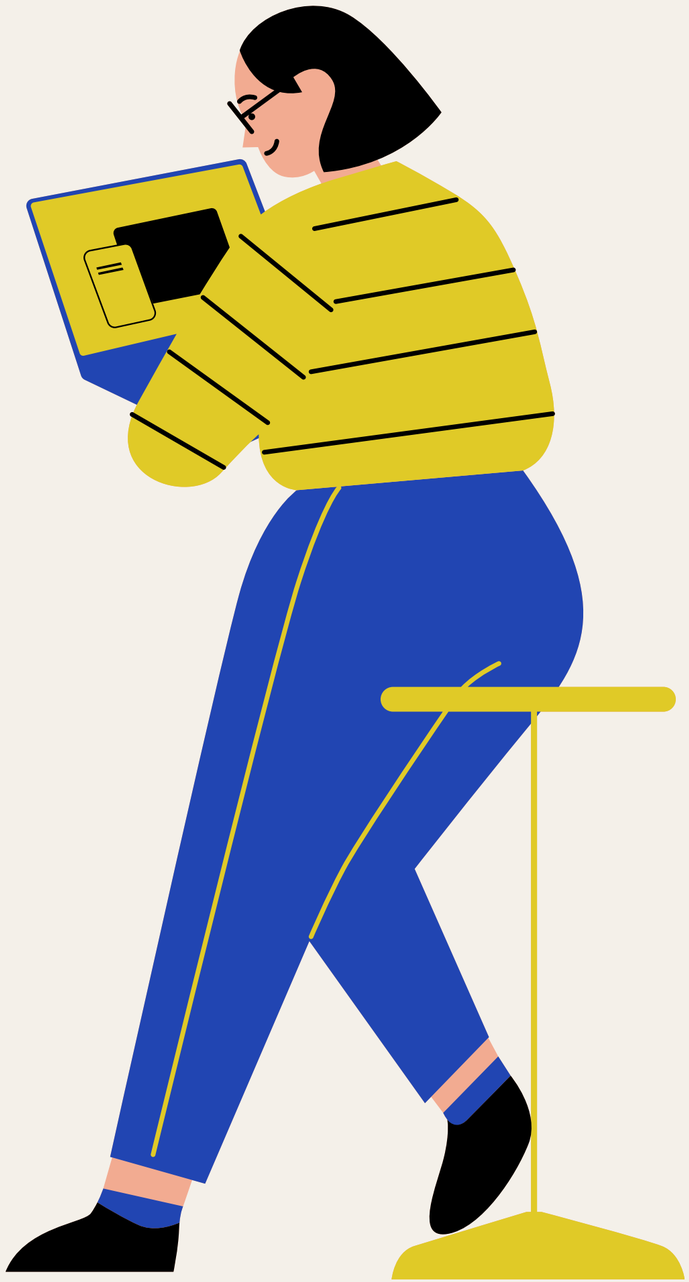


Data

Visualization

01 - Introduction

Analyzing data enables informed decision-making

Introducing with the Real-world dataset of year 2011 by using these data I create a census report. With the help of Excel, I make dashboards which shows information on the basis of district such as literacy rate, cast, age group, worker type, education type, gender and I use state as slicer to know about each state. There is another dashboard also which is use as heatmap who shows state wise population if colour of state is darker it means that population is high and vice-versa.

Data analysis helps uncover valuable insights from complex datasets

Data

Visualization

02 - About Dataset

There are 640 rows and 25 columns , along with that there are only two columns which is categorical and rest of them are numerical columns. Here we insert a column of literacy rate.

Data

Visualization

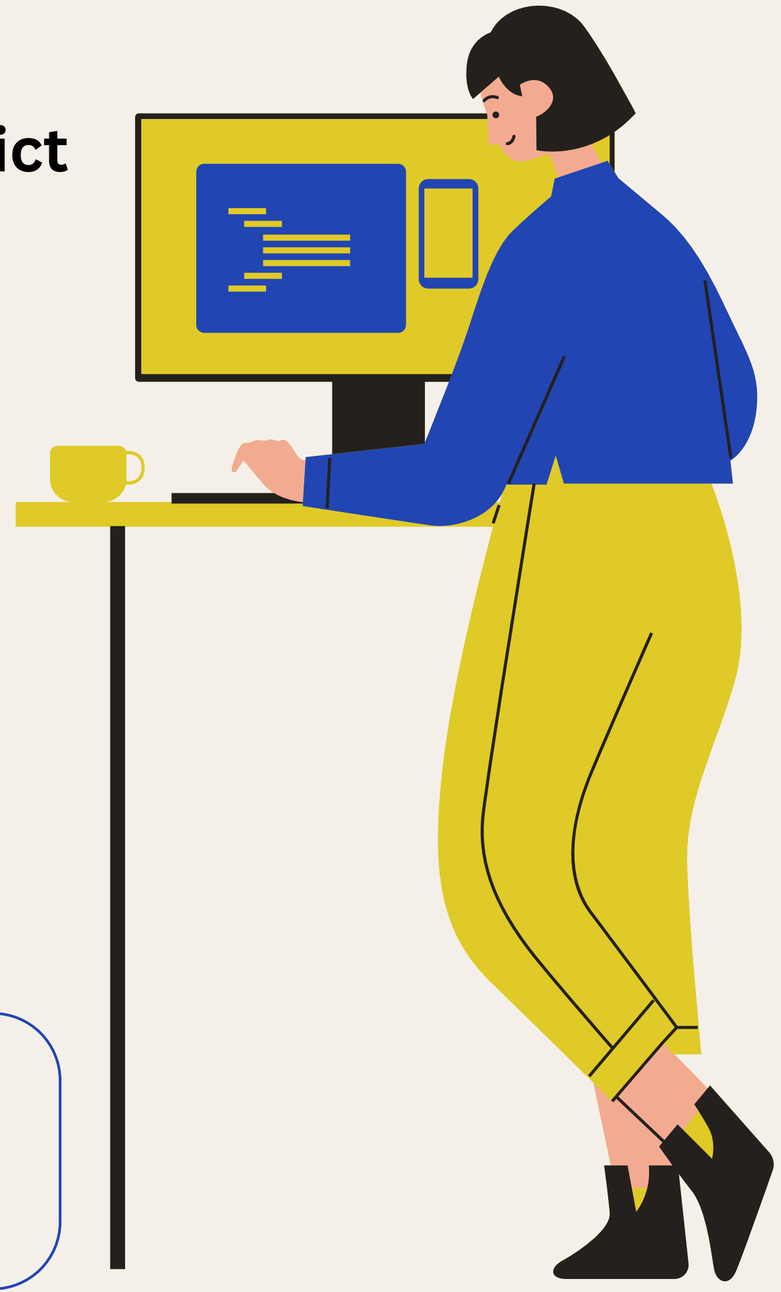
02 - About Dataset

About columns - These all infrmation are based on district

<u>*number = no.</u>

1.District_code - serial no.
2.State_name - name of state
3.District_name - name of District
4.Population - no. of population
5.Male - no. of population of male
6.Female - no. of population of female
7.Literate - no. of literate
8.Workers - no. of workers
9.Male_worker - no.of male workers
10.Female_worker - no. of female workers
11.Cultivator_workers - no. of Cultivator workers
12.Agricultural_Workers - no. of Agricultural workers
13.Household_workers - no. of Household workers

Statistical techniques play a crucial role in data analysis



02 - About Dataset

14.Hindus - no. of Hindus
15.Muslims - no.of Muslims
16.Christians - no. of Christians
17.Sikhs - no. of Sikhs
18.Buddhists - no. of Buddhists
19.Jains - no. of Jains
20.Secondary_Education - no of Secondary Education
21.Higher_Education - no. of Higher Education
22.Graduate_Education - no.of Graduate Education
23.Age_Group_0_29 - no. of Age between(0 to 29)
24.Age_Group_30_49 - no of Age between(30 to 49)
25.Age_Group_50 - no of Age more than 50

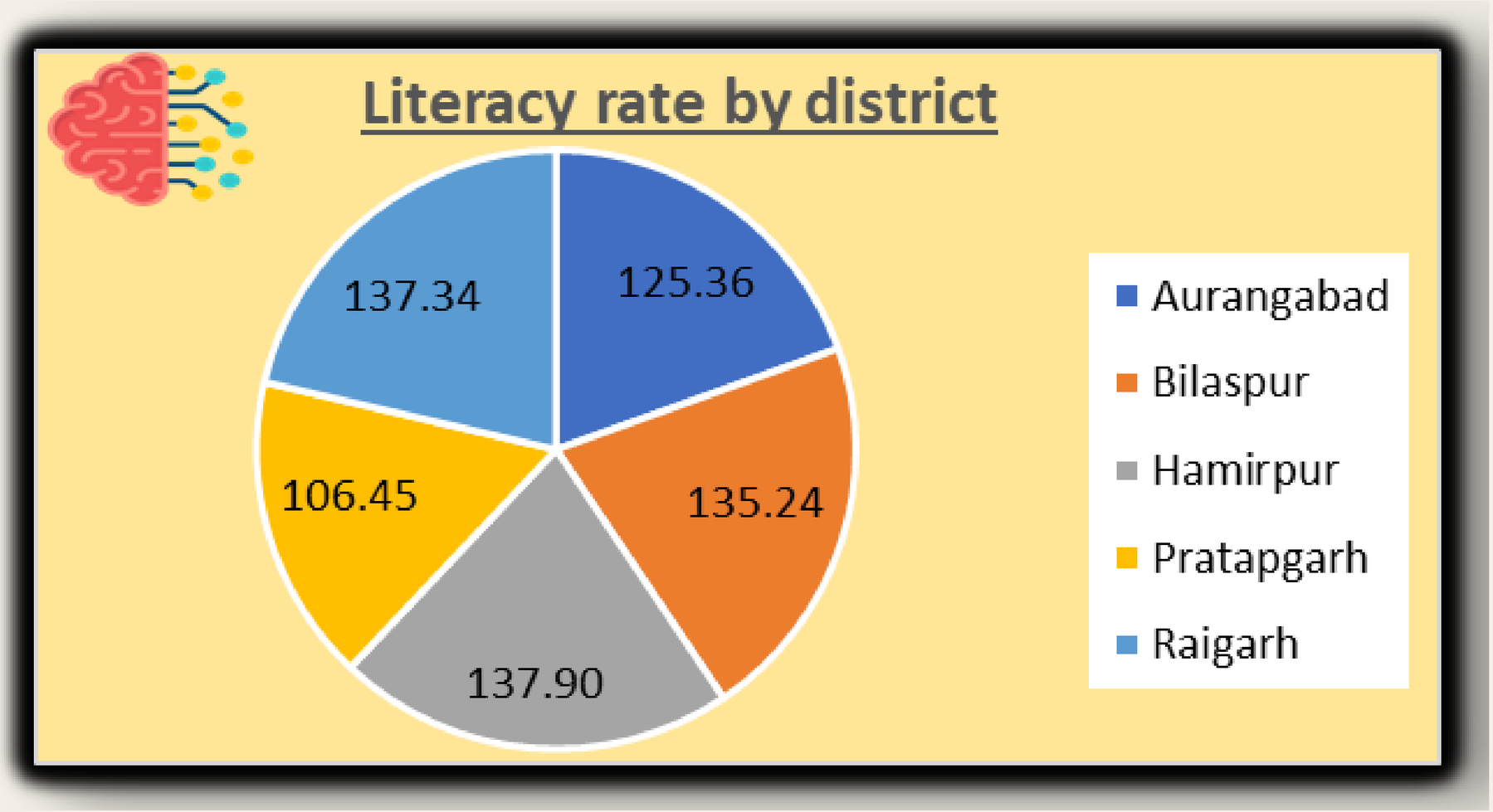
added column- literacy rate - % of literacy

Data visualization simplifies the communication of analysis findings

Data

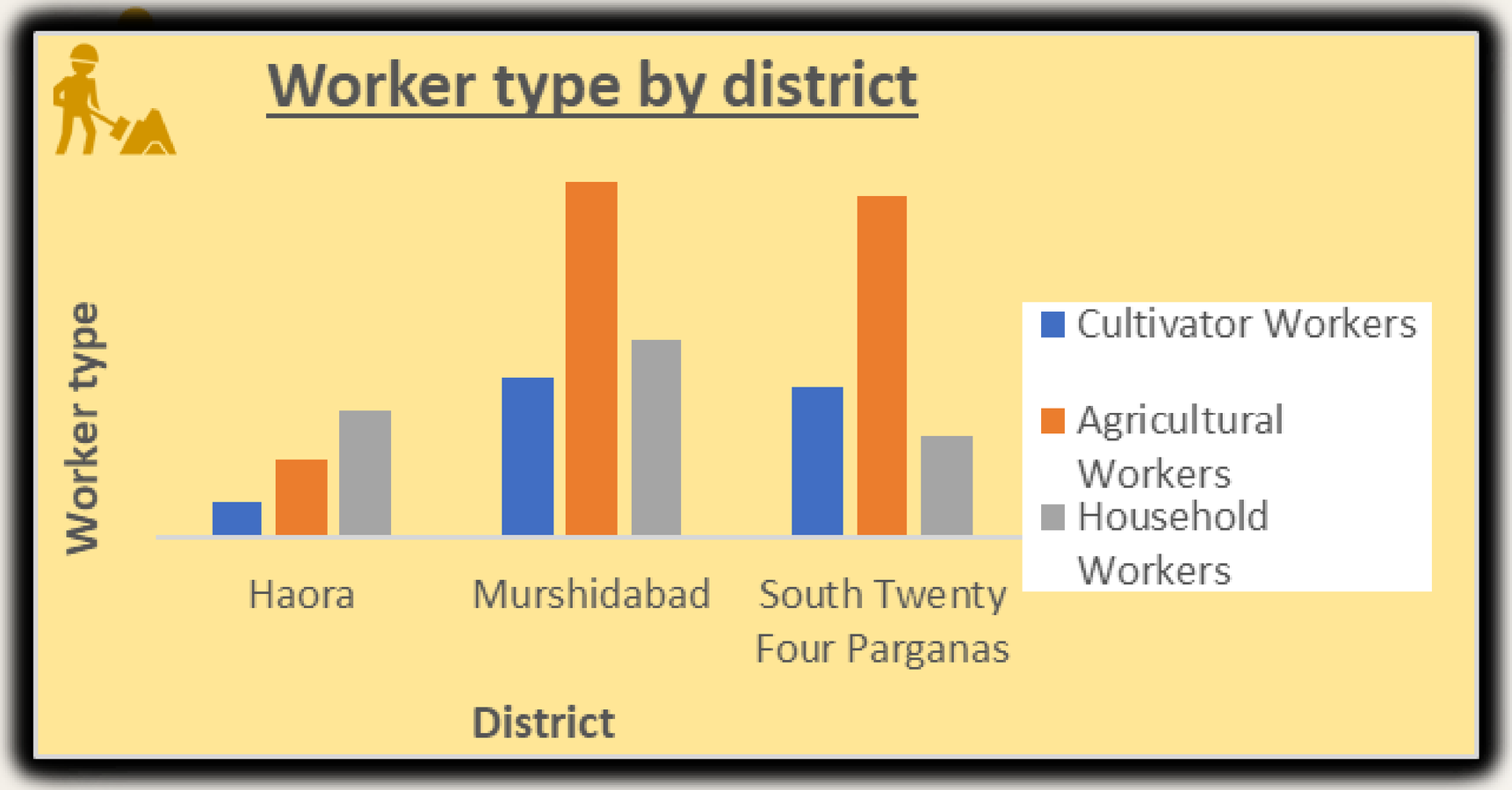
Visualization

03 - Data Visualization



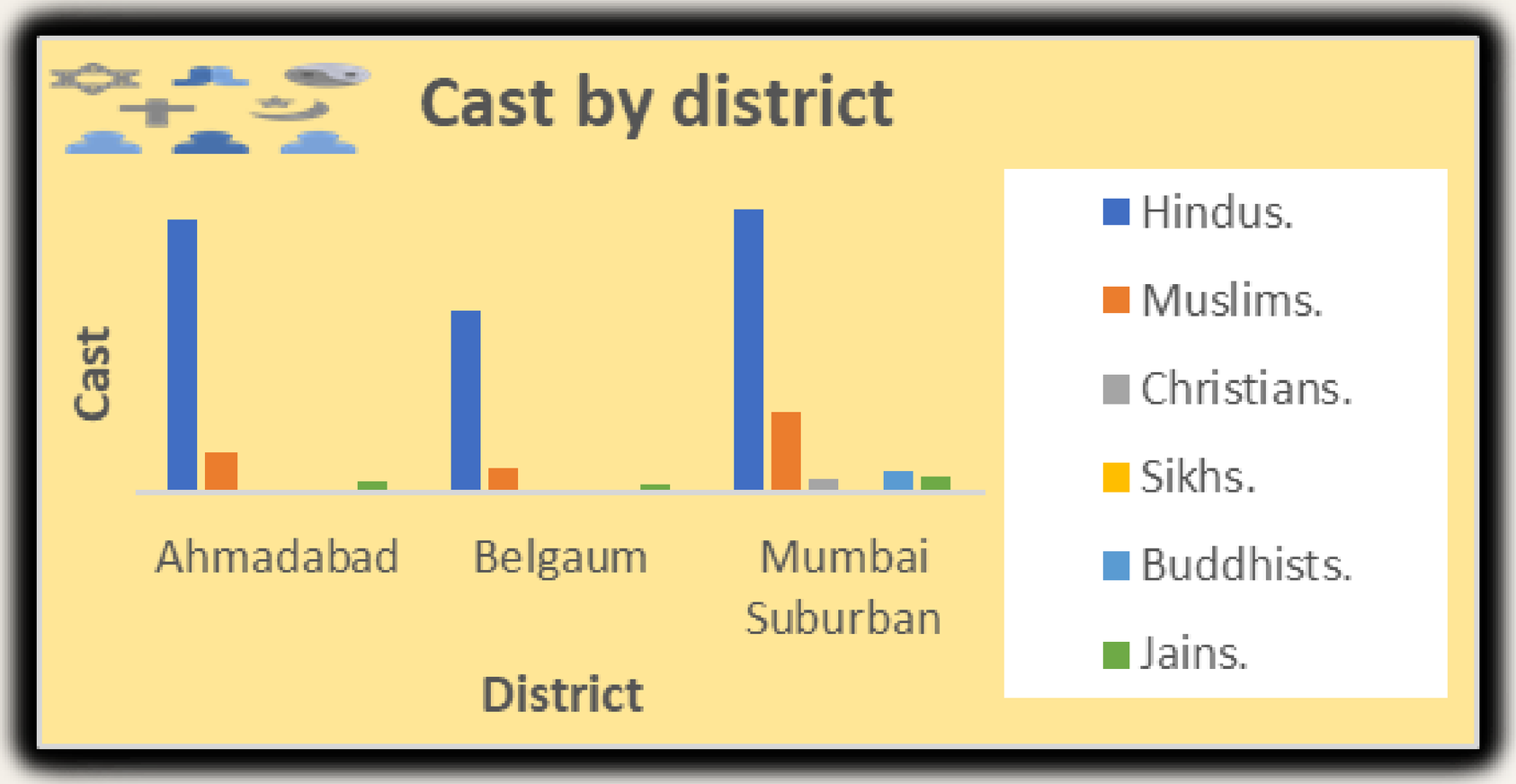
Top 5 district where literacy rate are highest

03 - Data Visualization



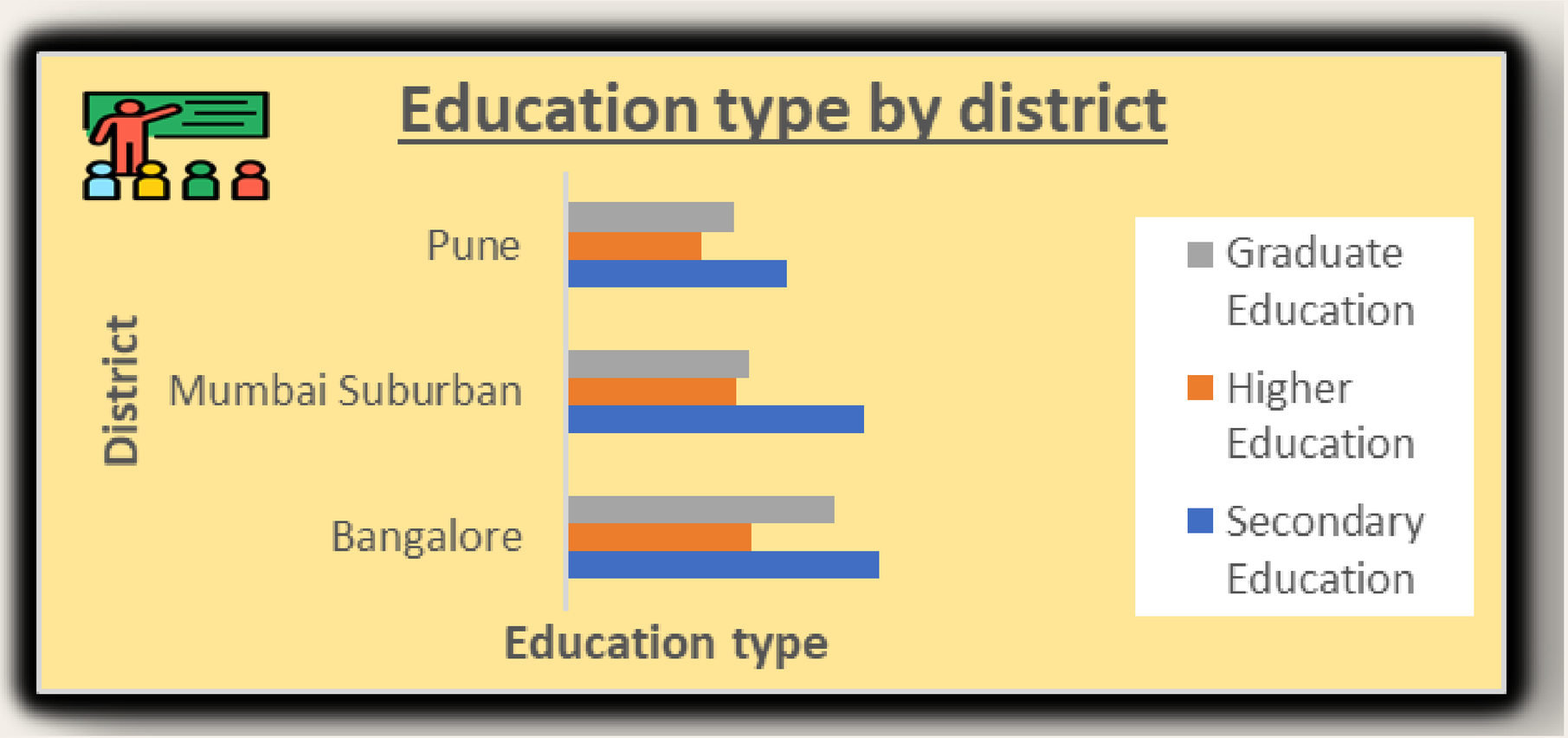
Top 3 district where household workers are highest

03 - Data Visualization



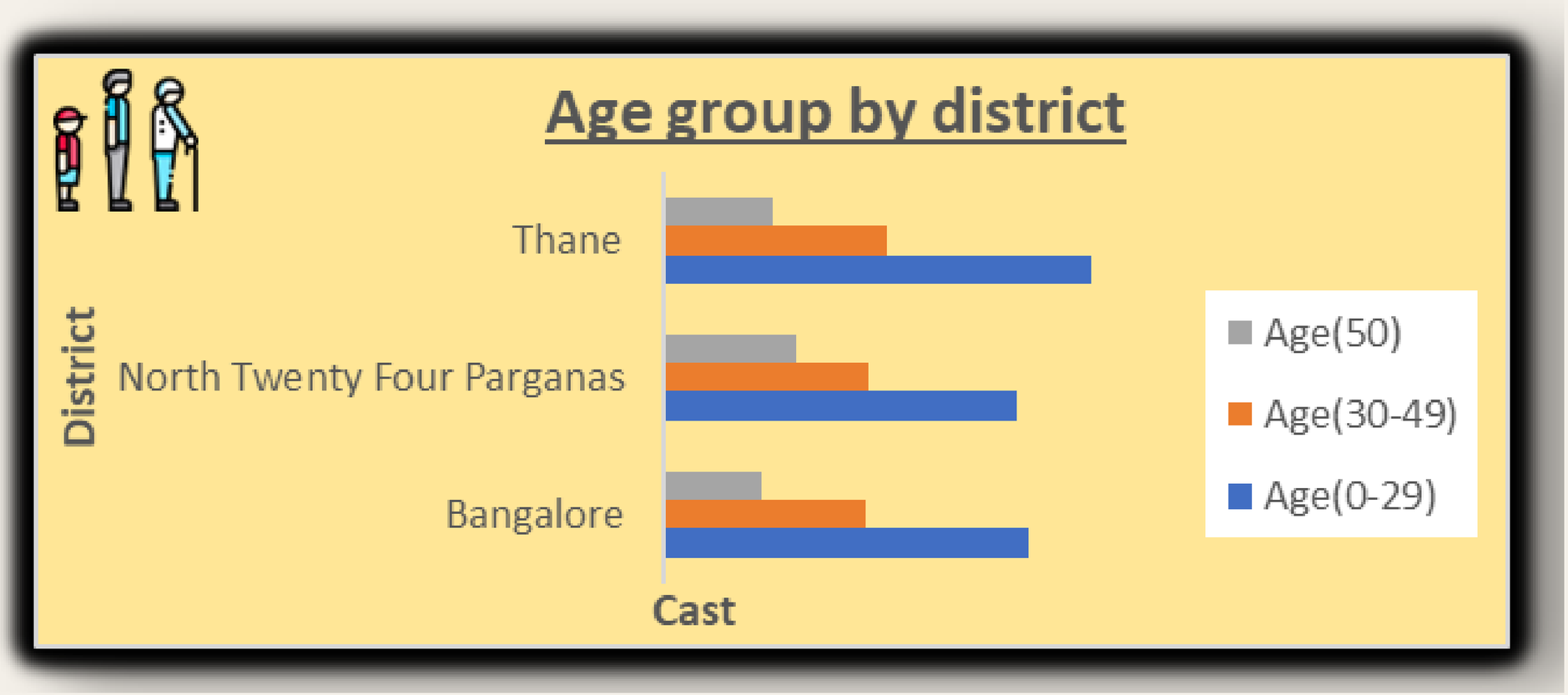
Top 3 district where Jains are highest

03 - Data Visualization



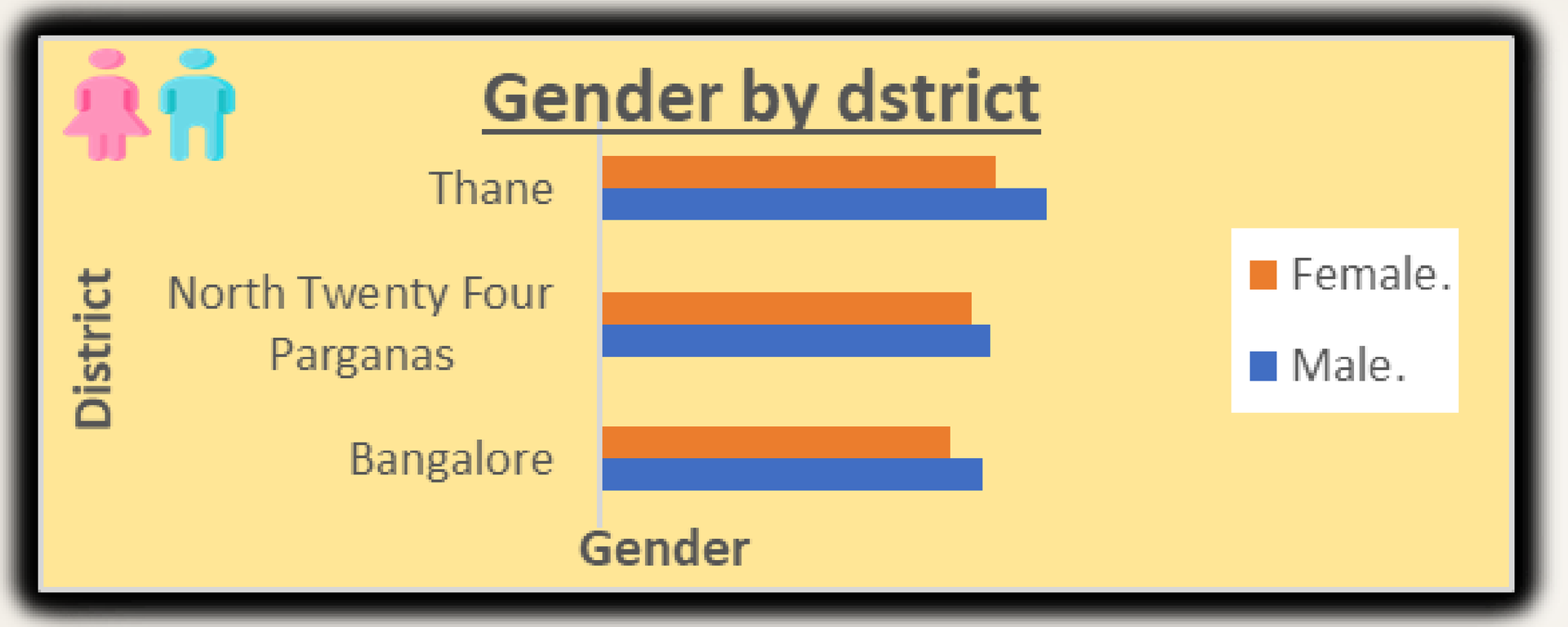
Top 3 district where population of Graduated people are highest

03 - Data Visualization



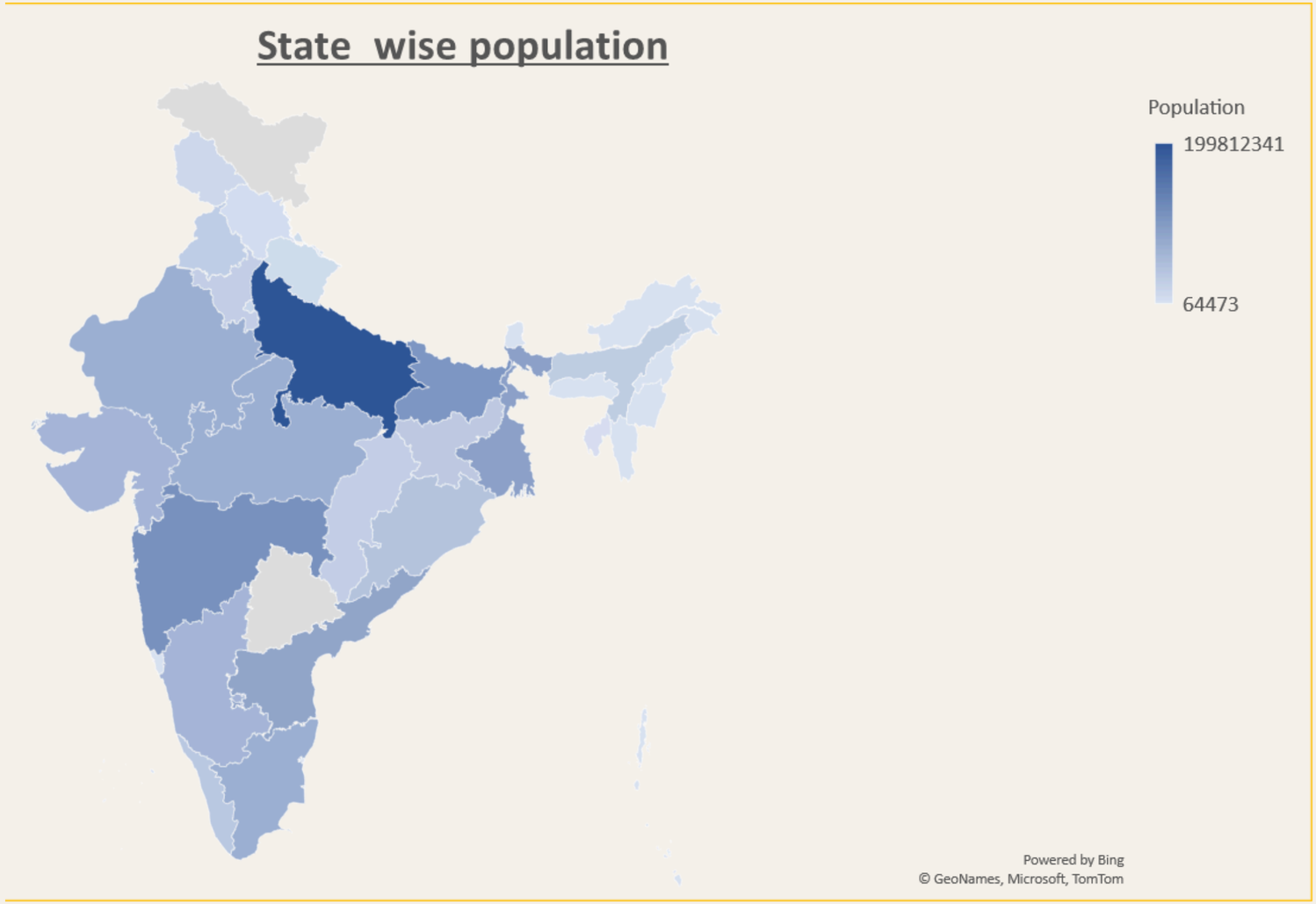
Top 3 district where age(30-49) is highest

03 - Data Visualization



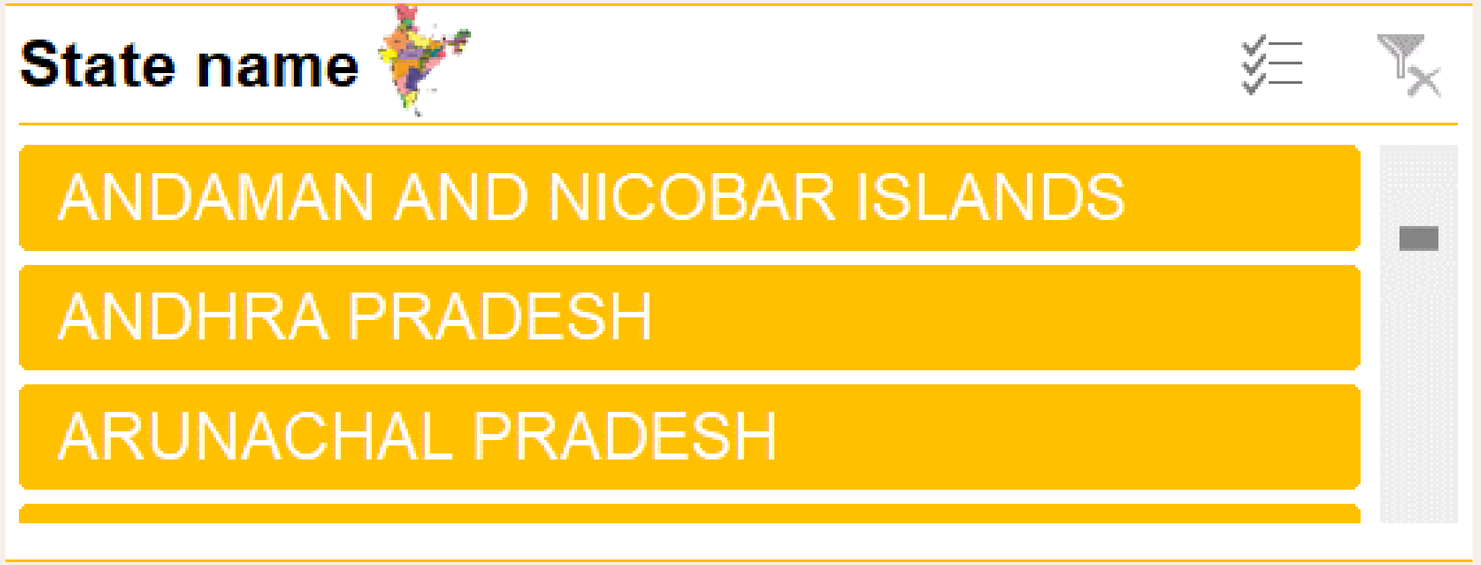
Top 3 district where female is highest

03 - Data Visualization



Population of state(if colour of state is dark it means their population is highest and vice-versa)

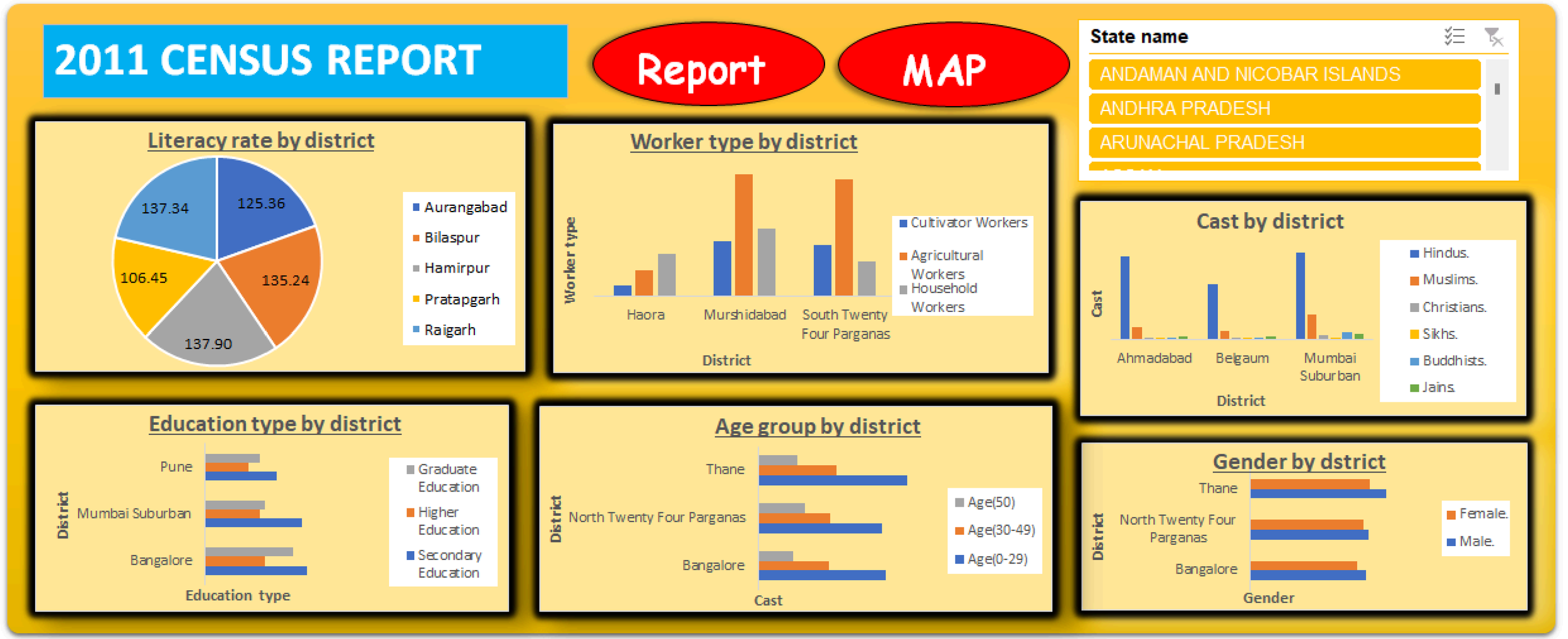
Slicer of state



Data analysis allows for identifying trends and patterns within datasets.

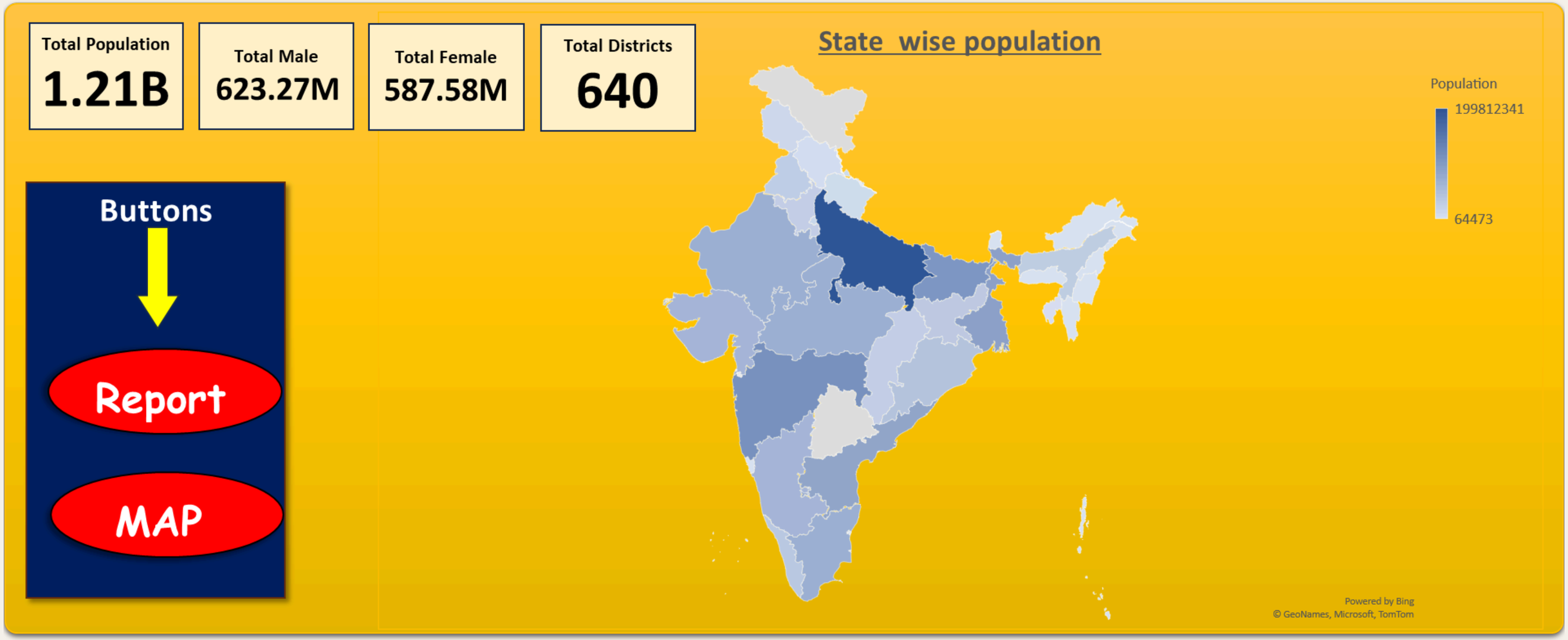
03 - Data Visualization

Dashboard



03 - Data Visualization

Dashboard



03 - Data Visualization

04 - Conclusions

Today population of India is 1.42 billion and as per our report in 2011 it was around 1.21 billion. Within 12 years it increased by 21 crore which is very high. It will become a serious problem in next 30 year. But their a good news that we are move ahead in case of education, gender equality, literacy rate (in 2011 it was 73% and 77% in 2024). So it's a quite enhancement in the year of 2024 along with that we get more number of youth who come up with new initiative idea which help for the growth and development our nation by using maximum utilization of resources in effective & efficient manner.

Data analysis helps in identifying outliers or anomalies in the data

Data

Visualization

Data analysis facilitates predictive modeling and forecasting

Thanks

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