

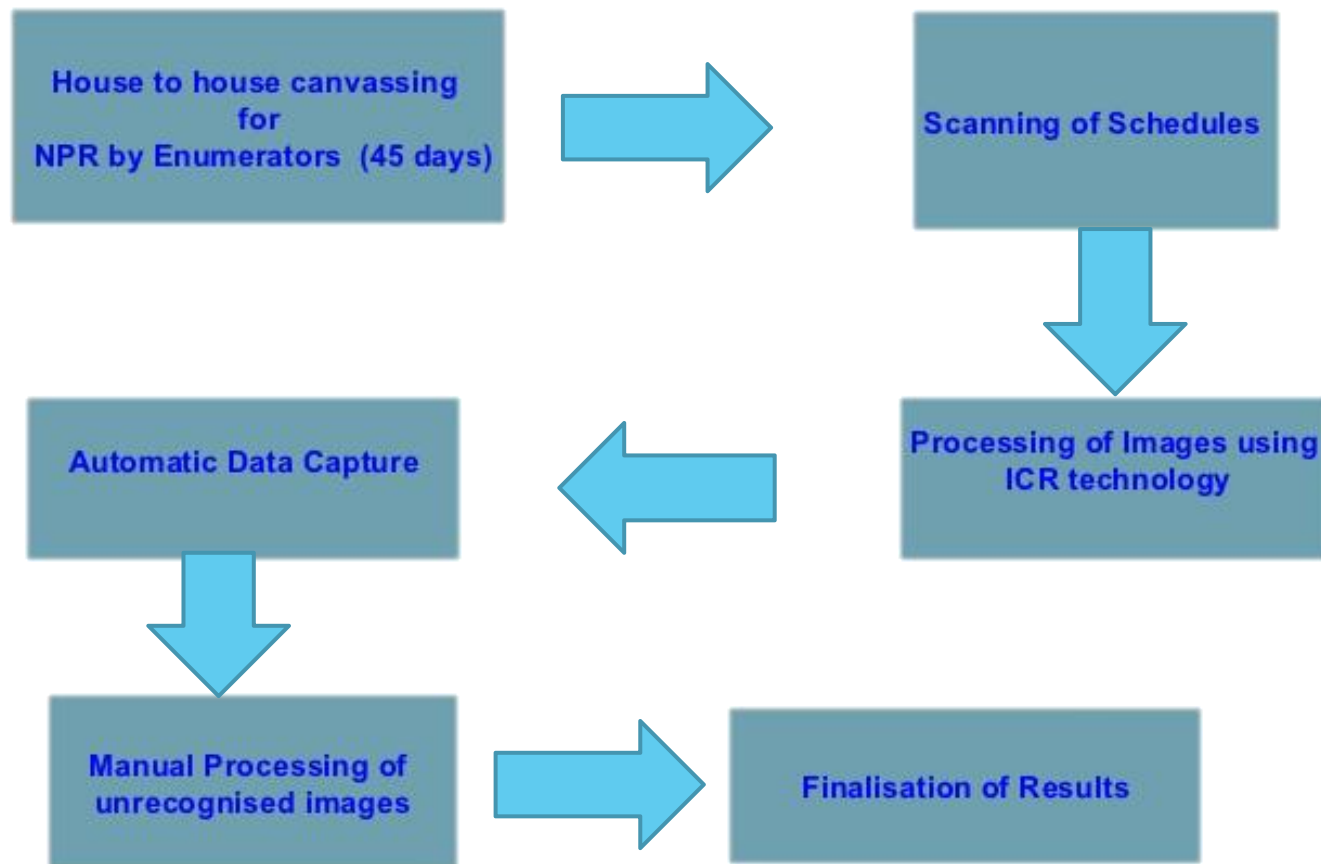
Report on Statistical Year Book India using Power BI

- A Presentation by
 - Shalini Guha
 - 03.08.2018

Census Collection Process

- ▶ Indian population census organization with its tentacles spread throughout the country is considered as the largest administrative network in the world. The population census is one of the most extensive and complicated statistical operations which needs careful planning to avoid defects and inefficiencies. The census operations can broadly be divided into the following sequential phases
 - ▶ Preparatory Work
 - ▶ Enumeration
 - ▶ Data processing
 - ▶ Evaluation of results
 - ▶ Analysis of results
 - ▶ Dissemination of the results
 - ▶ Systematic recording of Census experience

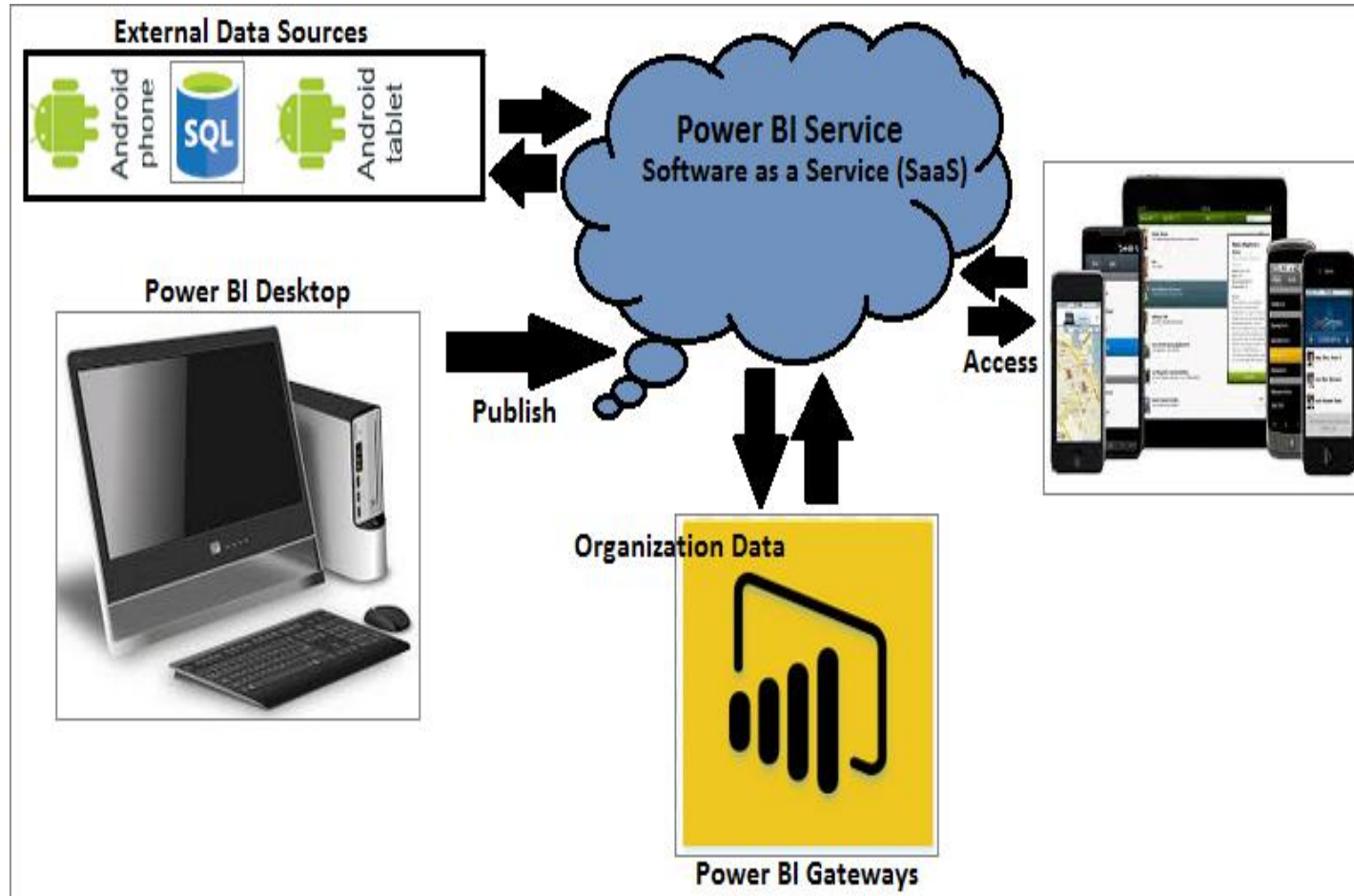
Census Collection Process



Power BI

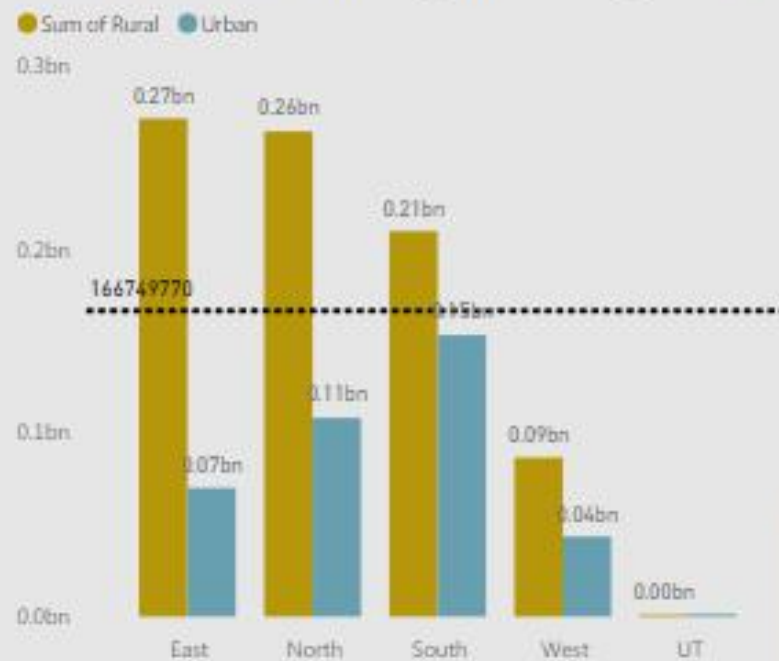
- ▶ Power BI is a Data Visualization and Business Intelligence tool that converts data from different data sources to interactive dashboards and BI reports. Power BI suite provides multiple software, connector, and services - Power BI desktop, Power BI service based on SaaS, and mobile Power BI apps available for different platforms. These set of services are used by business users to consume data and build BI reports.
- ▶ Power BI desktop app is used to create reports, while Power BI Services (Software as a Service - SaaS) is used to publish the reports, and Power BI mobile app is used to view the reports and dashboards.

Power BI Architecture



Area and Population Information of India

Rural and Urban Population by Zone



Rural and Urban



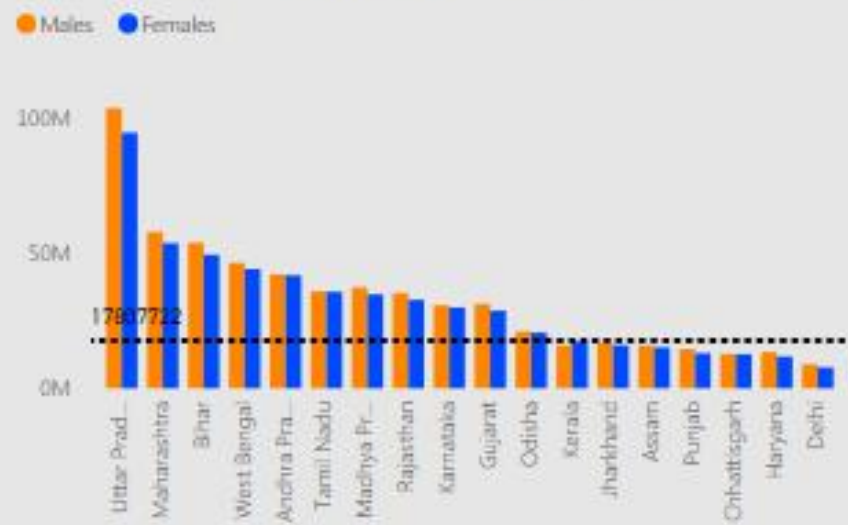
Area in sq. kms. by State



Population by Zone

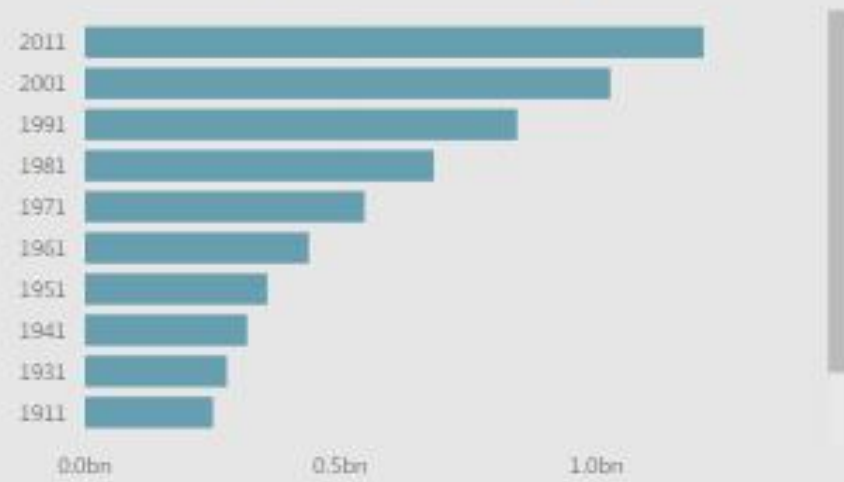


Males and Females by State

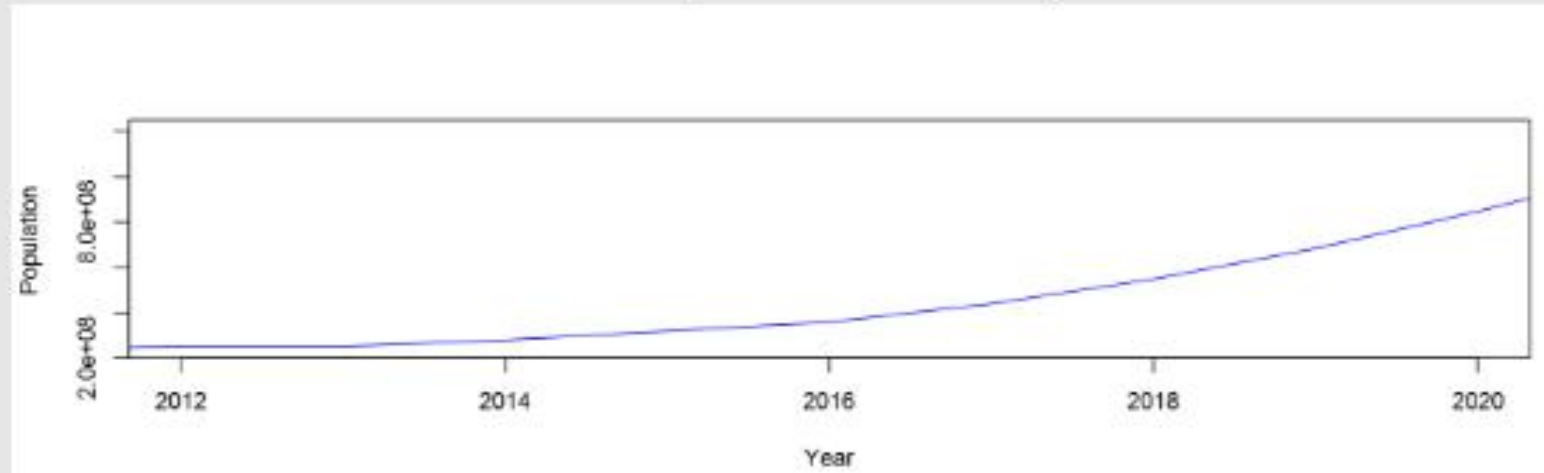


Population and Sex Ratio of India

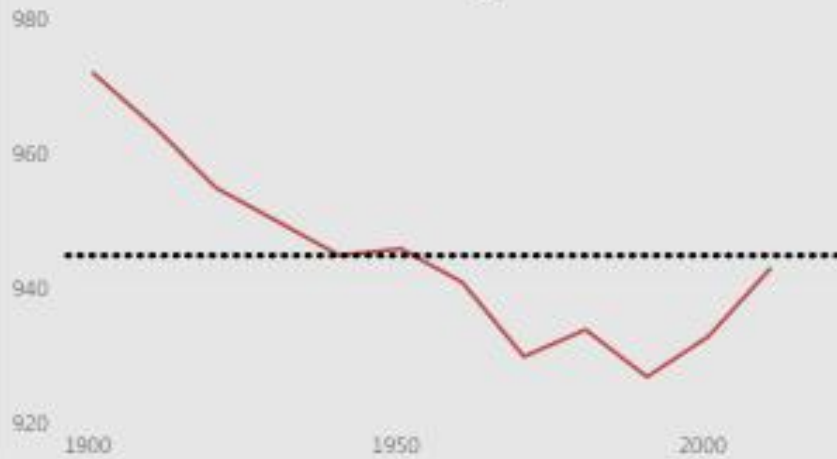
Population by Year



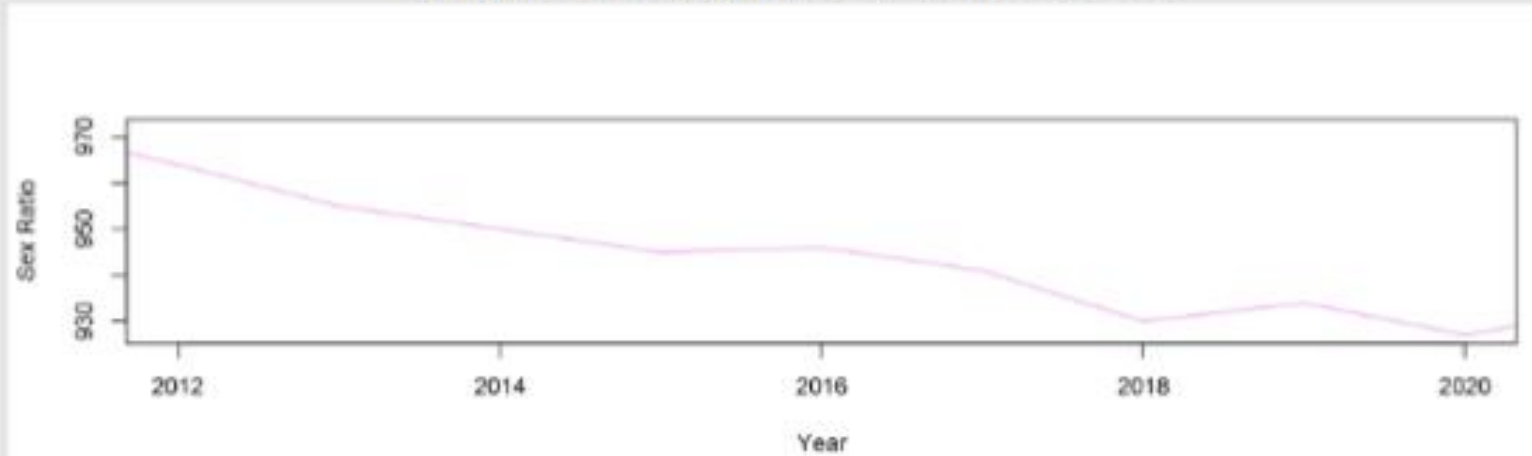
Estimated Population Growth by 2020



Sex Ratio by Year



Estimated Change in Sex Ratio by 2020

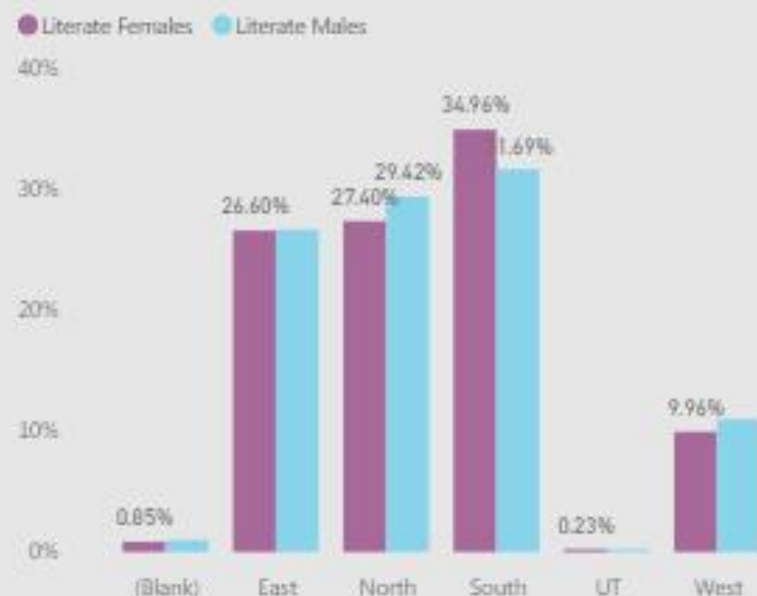


Literacy rate by Age, State and Gender of India

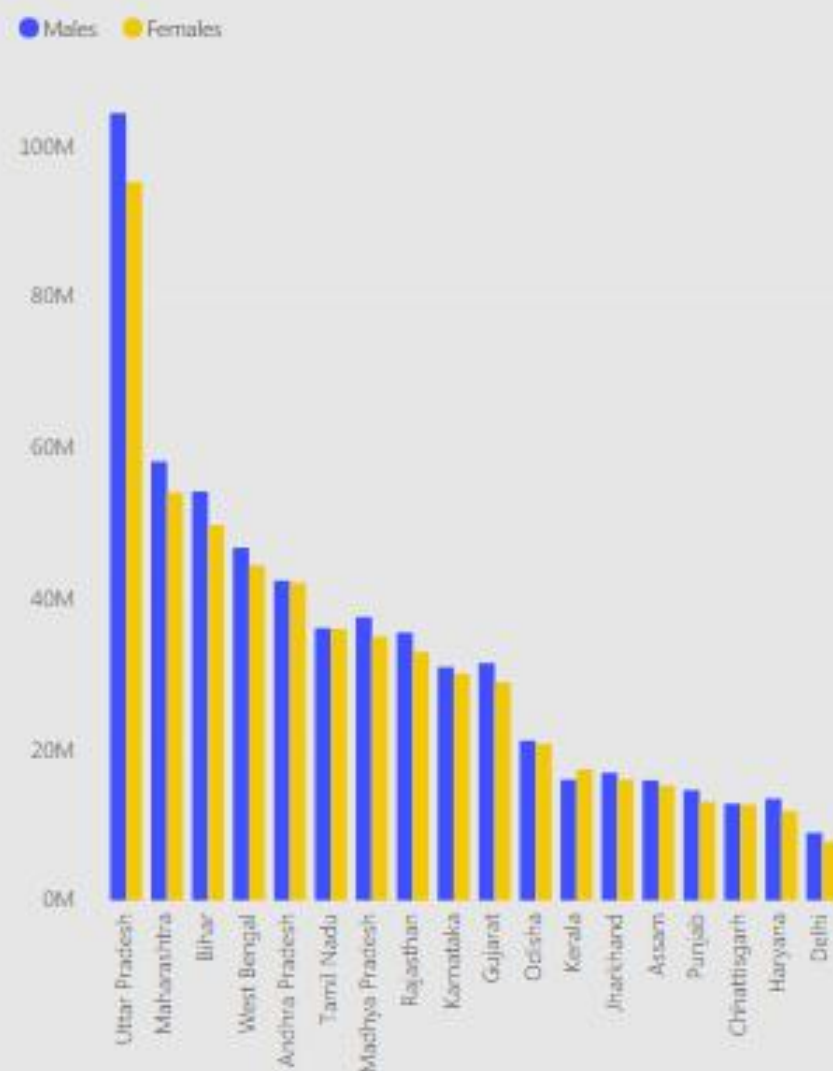
Literacy Rate by State



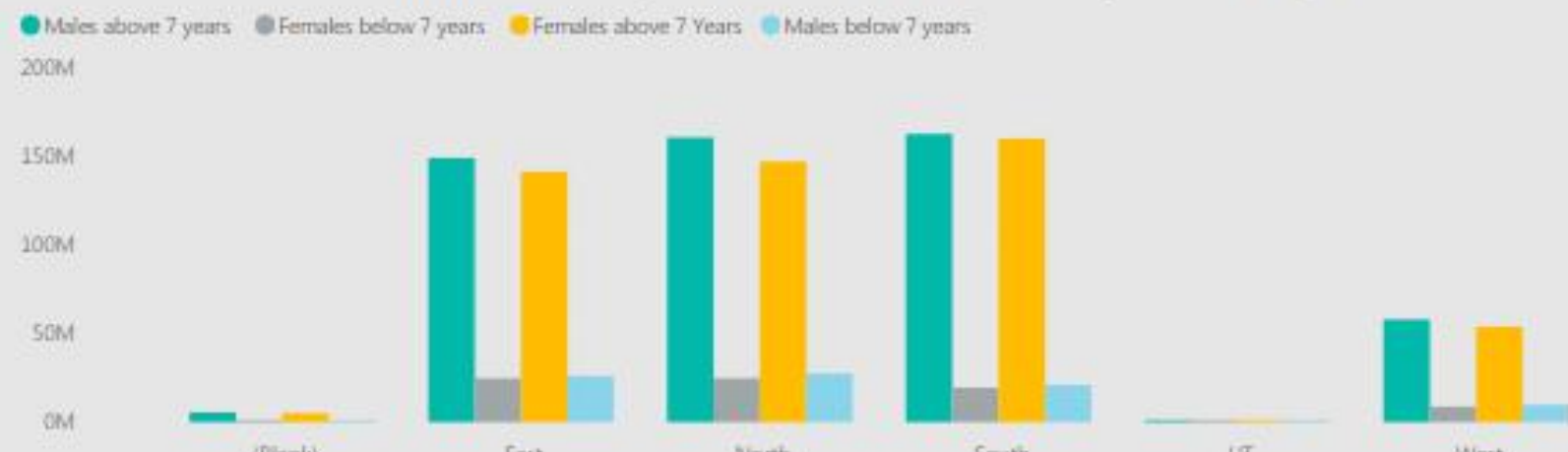
Literate Females and Literate Males b...



Males and Females by State

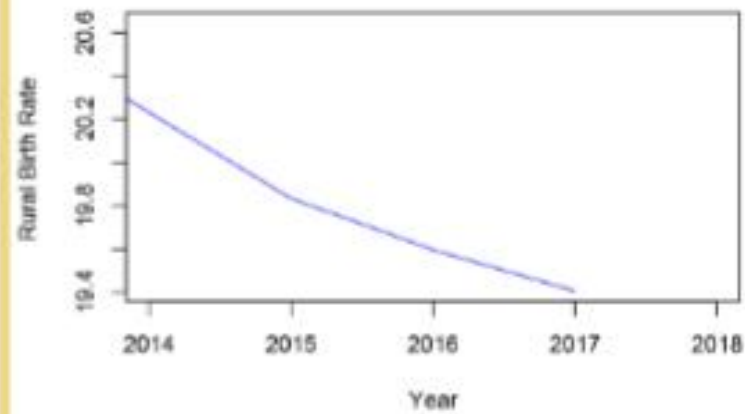


Number of People above and Below 7 years of age

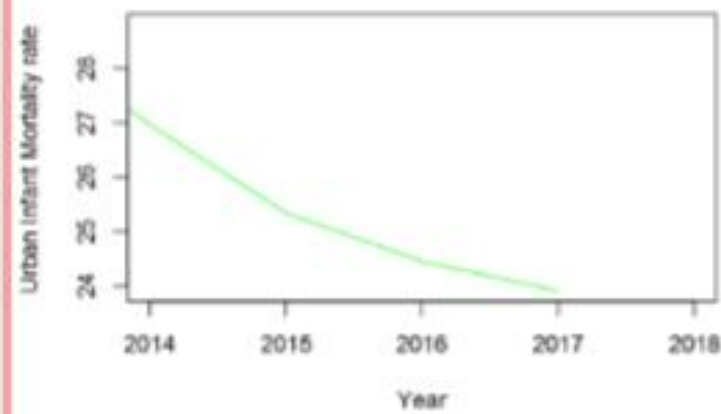


Birth, Death and Infant Mortality rate Forecast of India

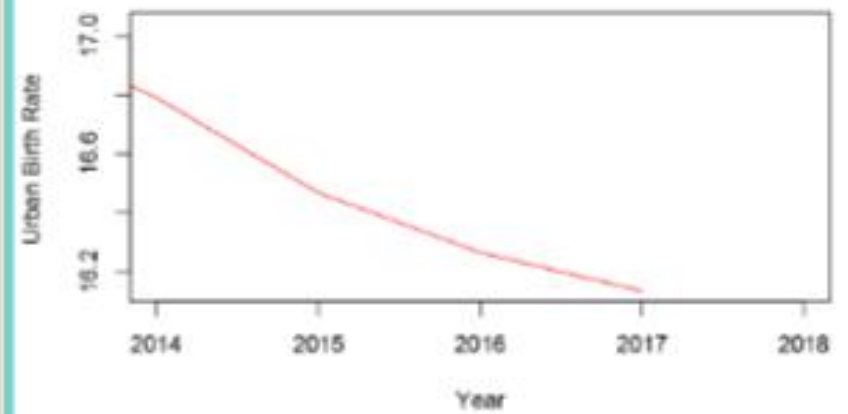
Forecast of Rural Birth Rate



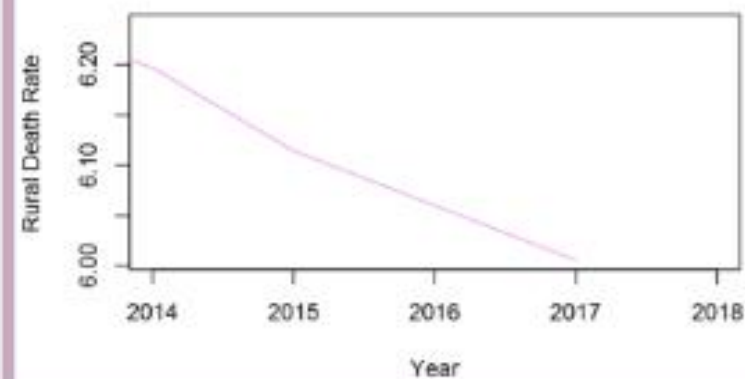
Forecast of Urban Infant Mortality Ra...



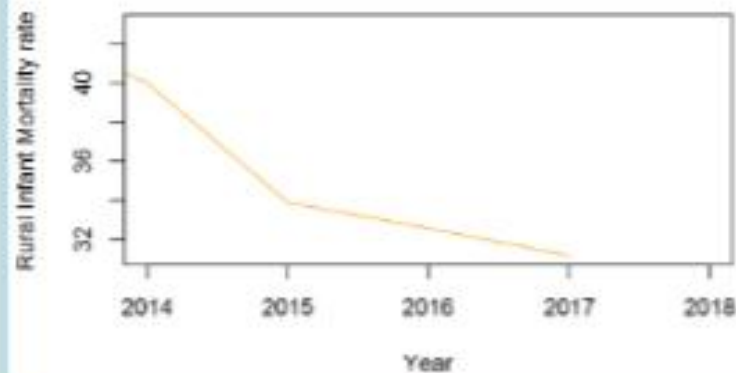
Forecast of Urban Birth Rate



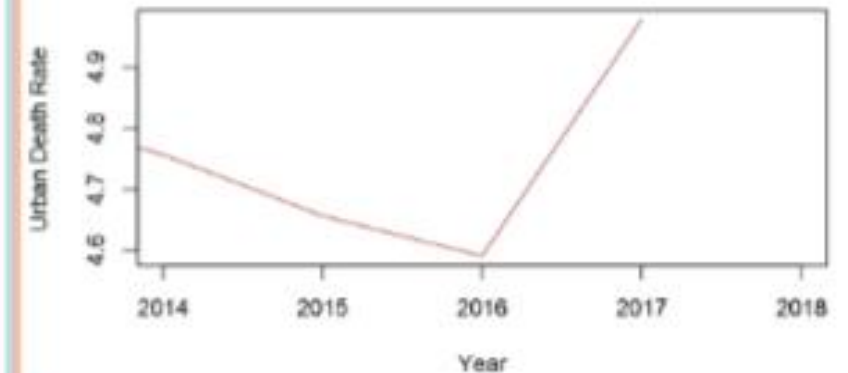
Forecast of Rural Death Rate



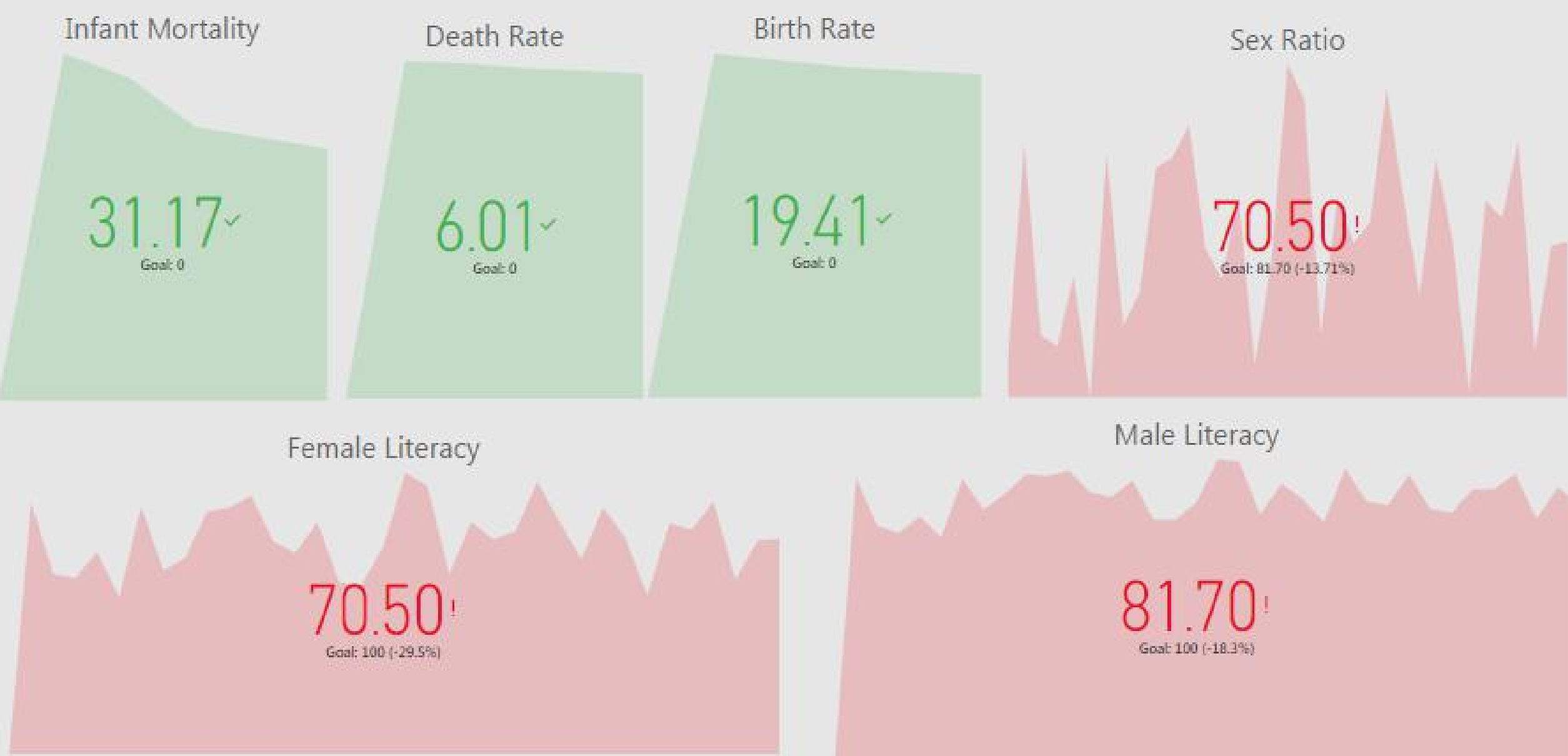
Forecast of Rural Infant Mortality rate



Forecast of Urban Death Rate



Performance Indicator of Social Components of India



Conclusion

- ▶ The key point indicators obtained from the above data are as follows:
 - ▶ Area
 - ▶ Sex Ratio
 - ▶ Literacy Rate
 - ▶ Birth/Death and Infant Mortality rate
- ▶ These are the parameters which significantly affect the population growth of India. These parameters are used to justify the forecasted growth in population which is estimated to hit the 800 million mark.
- ▶ Hence, it can be concluded from the above analysis, that the population growth needs to be kept in control and various factors some of which identified as sex ratio and literacy rate must be taken care of in order to make sure that the population is Boon and not a Bane.

Data Source Information

(<http://www.mospi.gov.in/statistical-year-book-india/2016/171>)

Title
<u>Area And Population By States-Census 2011</u>
<u>Decennial Population By Census</u>
<u>Distribution Of Population, Sex Ratio, Density And Decadal Growth Rate Of Population (Census-2011)</u>
<u>Distribution Of Population By Age Group (Census-2011)</u>
<u>Distribution Of Population By Literates And Literacy Rates , By Sex- (Census-2011)</u>
<u>Sex Ratio of Population By Census (1901 To 2011)</u>
<u>Projected Population</u>
<u>Projected Total/Urban Population By Sex As On 1st March</u>
<u>Estimated Birth Rates, Death Rates And Infant Mortality Rates By Residence</u>
<u>Estimated Mid Year Population By States/UTs (As On 1st July)</u>

The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the right side of the image, creating a modern, layered effect. The rest of the background is a solid, very light blue.

Thank You