

EXP 2. Socio-Economic Data Report

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Batch	F
Dataset	Socio-Economic Dataset
Experiment no.	2

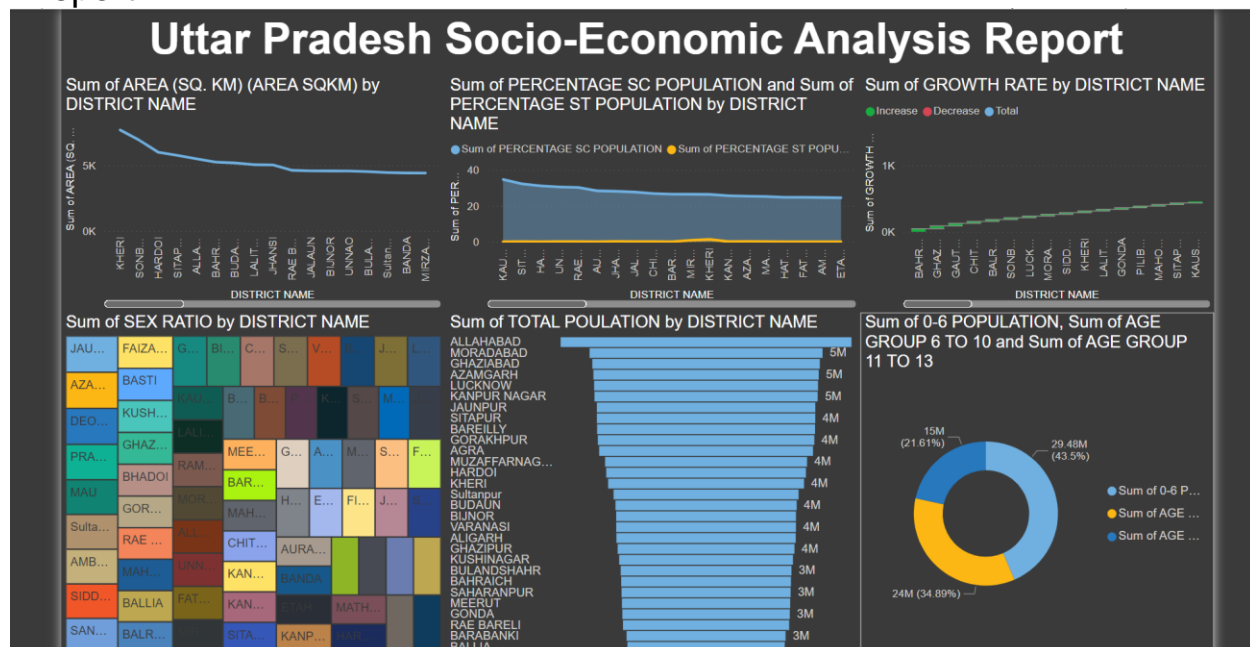
Dataset link-

<https://www.kaggle.com/datasets/webaccess/all-census-data>

Dataset Description- 2011 India census data. Includes population/demographic data, housing data and socio-economic data for each state, district wise. I have used the data for the 75 districts of UP. The fields are as follows:

- Total Population
- YEAR
- STATE NAME
- DISTRICT NAME
- PERCENTAGE URBAN POPULATION
- POPULATION
- GROWTH RATE
- SEX RATIO
- PERCENTAGE SC
- Percentage ST

Report-



Q. What inference can be drawn from the line graph depicting the area of each district and its population?

Ans. The list of districts has been plotted in a decreasing order. It can be seen that Kheri district is largest in terms of area (Sq. Km), while Sambhal being the smallest.

Q. What does the area chart depict?

Ans. The area chart depicts the comparison of percentage SC and ST population in each district in decreasing order. Kaushambi being at the pinnacle and Bhagpat at the lowest point in terms of SC.

Q. What can be interpreted from the funnel chart?

Ans. The funnel chart shows population of each district. I have depicted the top 20 districts.

Q. What inference can be drawn from the tree map?

Ans. The tree map depicts the sex ratio of each district and higher the sex ratio pinker is the colour. The top left corner shows the highest sex ratio while bottom right shows the lowest. Jaunpur having the highest while Kanpur Nagar having the lowest sex ratio.

Q. What does the waterfall chart depict?

Ans. The growth rate is depicted by the waterfall chart. It has been depicted in an increasing order with Bheraich having the slowest and Shrawasti having the fastest growth.

Q. What can be interpreted from the donut chart?

Ans. The donut chart depicts the share of population in age group of 0-6, 6-10 and 11-13 age groups with 11-13 age group having the least population and 0-6 having the highest population.