PROJECT

DATA ANALYTICS WITH TABLEAU

A.P.C. MAHALAXMI COLLEGE FOR WOMEN

THOOTHUKUDI

TOPIC:

TRACING THE GROWTH OF GLOBAL COMMUNITY: A POPULATION FORECASTING ANALYSIS

TEAM MEMBERS:

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PROJECT REPORT TEMPLATE

TITLE:

Tracing the Growth of The Global Community: A Population Forecasting Analysis.
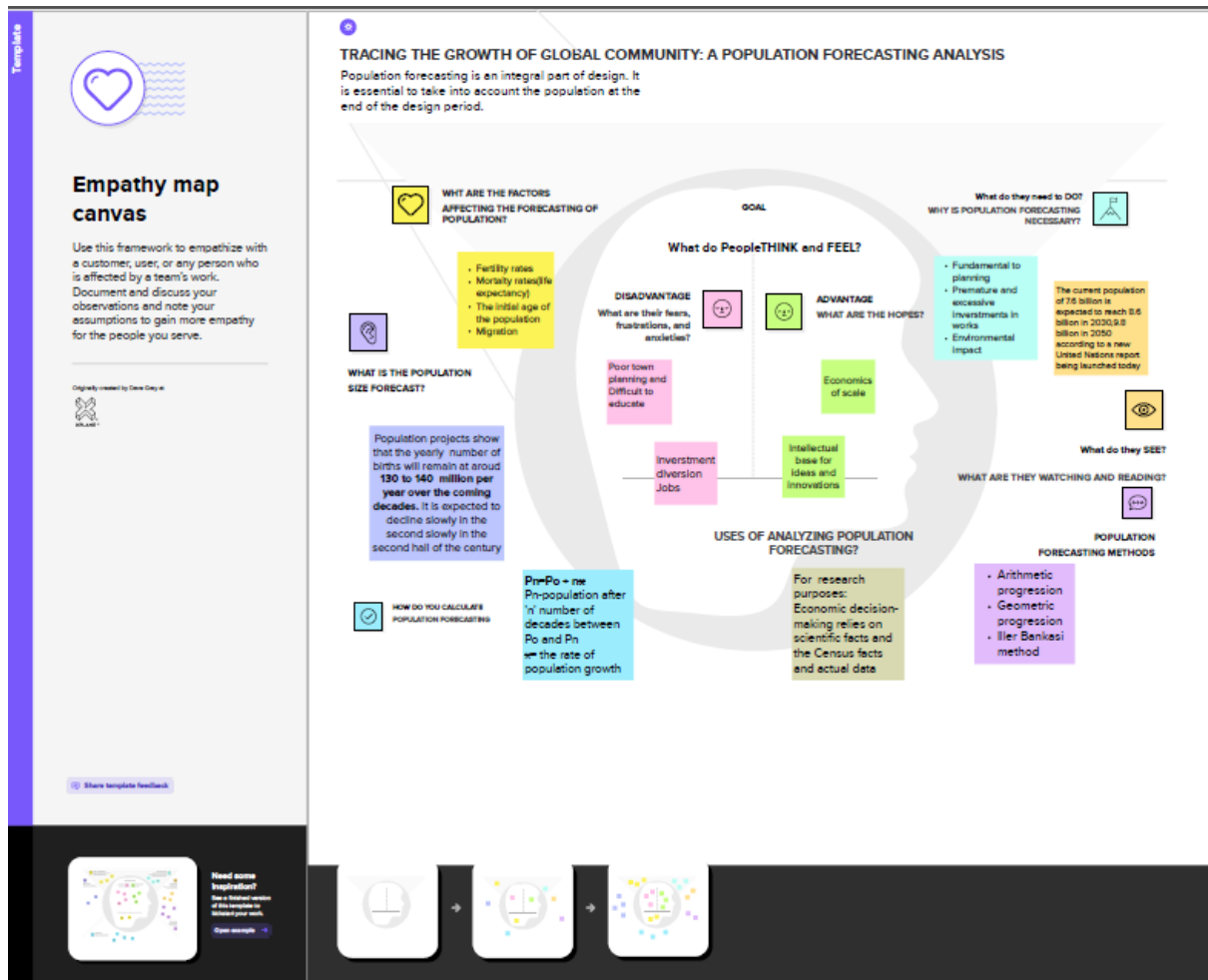
INTRODUCTION:

Population Forecasting consists of mathematical models which are used to analyse changes in population numbers. It is based on knowledge of the past trends and for the future, on assumptions made for components; mortality, fertility and migration.
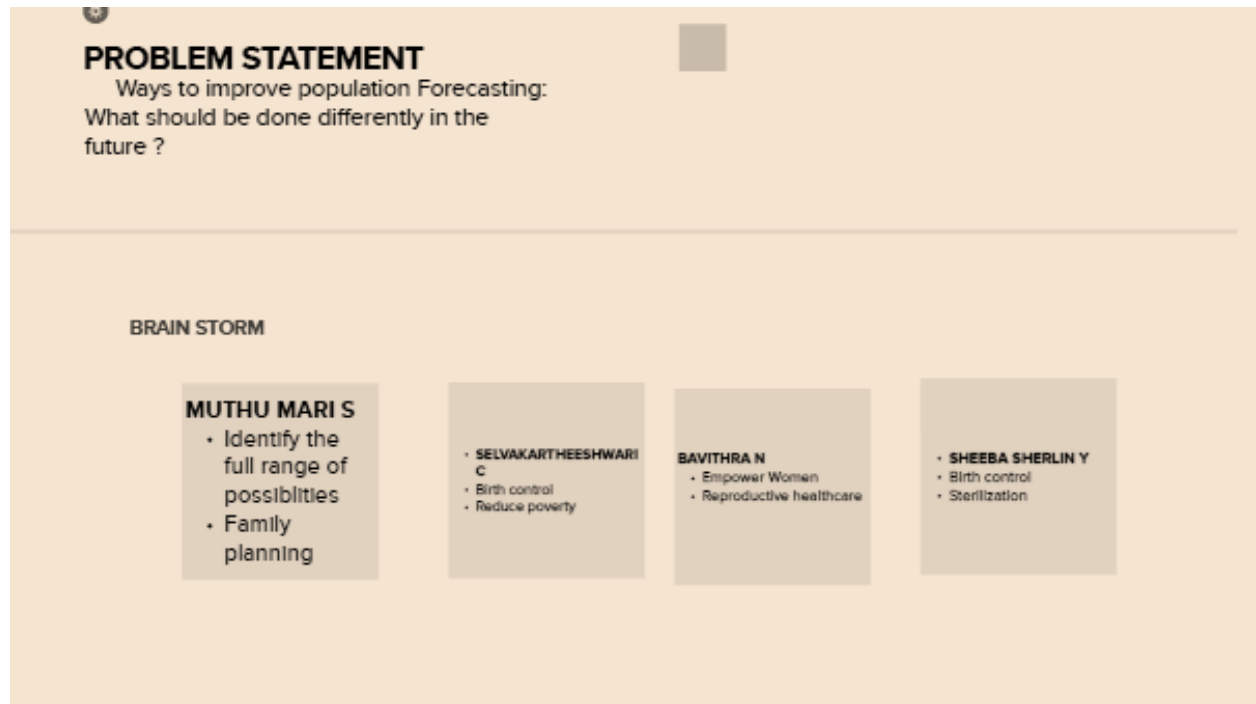
Any underestimated value will make system inadequate for the purpose intended; similarly overestimated value will make it costly. Change in the population of the city over the years occurs, and the system should be designed taking into account of the population at the end of the design period.
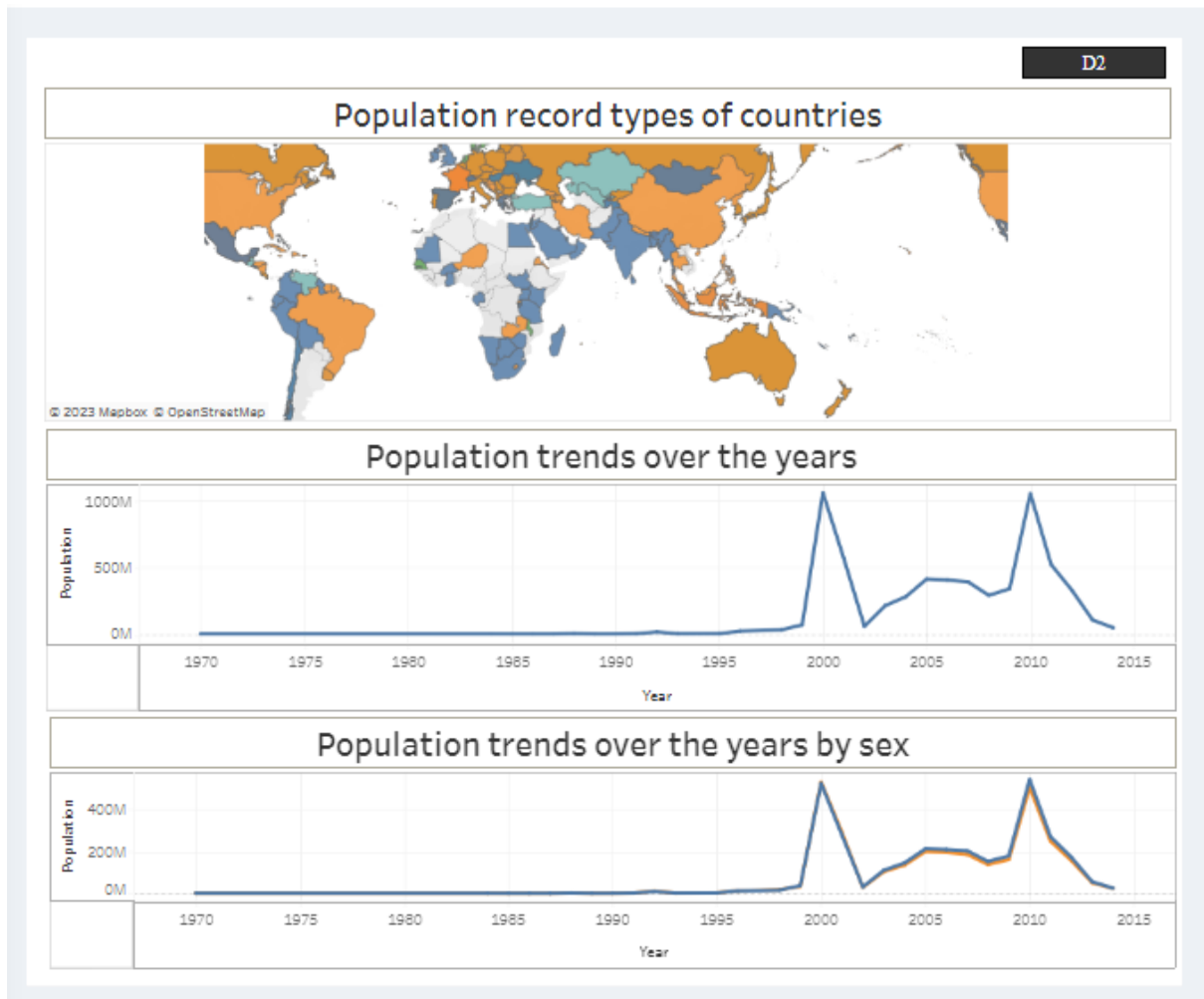
PROBLEM DEFINITION AND DESIGN THINKING :

EMPATHY MAP:

IDEATION AND BRAINSTORMING MAP:

PROBLEM STATEMENT

Ways to improve population Forecasting: What should be done differently in the future ?

BRAIN STORM

MUTHU MARI S
- Identify the full range of possiblities
- Family planning

- **SELVAKARTHEESHWARI C**
- Birth control
- Reduce poverty

BAVITHRA N
- Empower Women
- Reproductive healthcare

- **SHEEBA SHERLIN Y**
- Birth control
- Sterilization

RESULT:

Story 1

Country or Area
- ☑ (All)
- ☑ Åland Islands
- ☑ Albania
- ☑ American Samoa
- ☑ Andorra
- ☑ Armenia
- ☑ Aruba
- ☑ Australia
- ☑ Austria
- ☑ Azerbaijan
- ☑ Bahamas
- ☑ Bahrain
- ☑ Bangladesh
- ☑ Belarus
- ☑ Belgium
- ☑ Bermuda
- ☑ Bhutan
- ☑ Bolivia (Plurinationa...
- ☑ Bosnia and Herzego...
- ☑ Botswana
- ☑ Brazil

Population
524,607   208M

Australia
Belarus
Austria
Belgium
Brazil
Azerbaijan
Armenia
Bangladesh
Bolivia

❄ +ableau
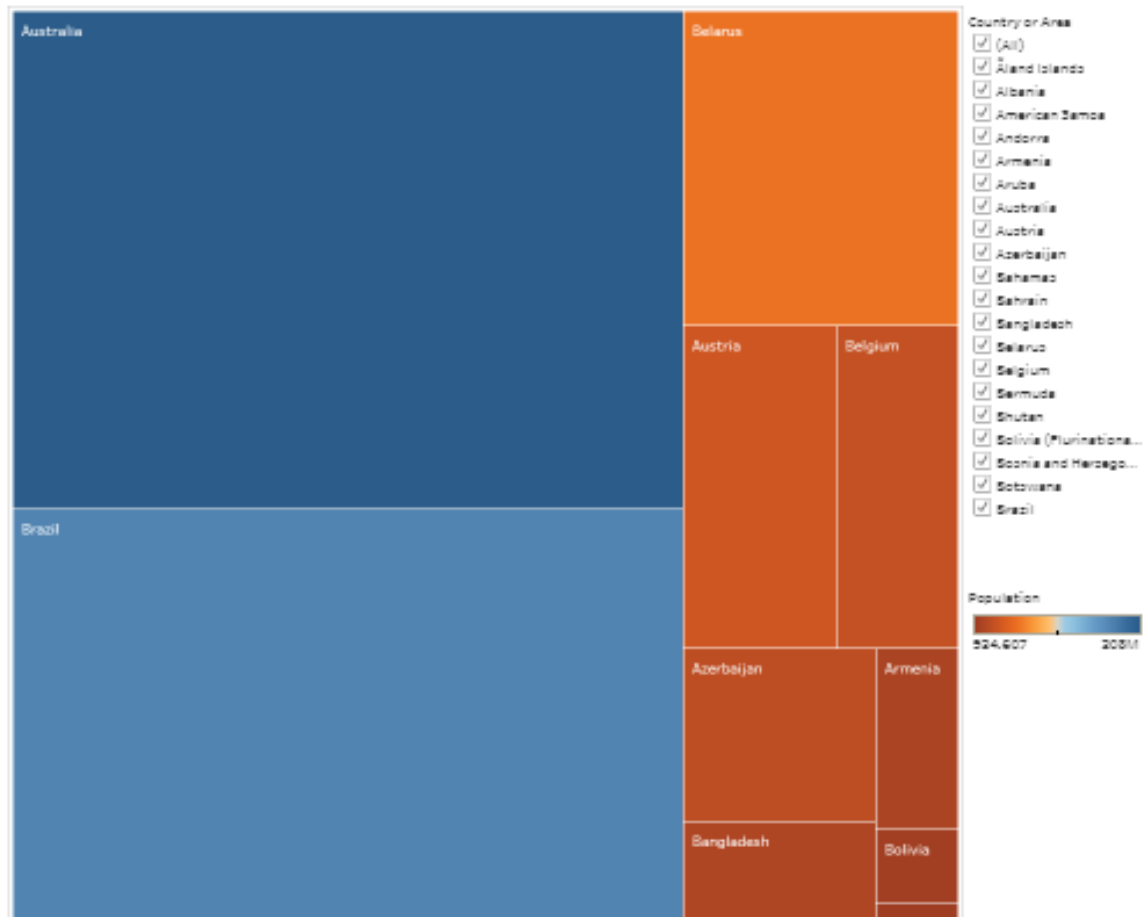
Story 1

ADVANTAGES OF POPULATION FORECASTING:

- Longer projection period compared to simple geometric procedures
- Gives a better approximation than other methods.
- More people can produce more products
- More scope for innovation, invention and creative genius
- Economics of scale from higher population
- Higher population densities more efficient
- Increased human capital
- Fundamental to planning
  (Assumptions and estimates used in determining sewage flow have a permanent effect on planning decisions and outcomes
- Premature and excessive investments in works
- Environmental impact

DISADVANTAGES OF POPULATION FORECASTING:

- Cannot predict decreasing population
- Demographic and socioeconomic changes not considered
- Requires a large number of observations covering a long period
- Mechanical process
- Estimate the basic need for human, such as demand for food, water, power, transportations
- Plan constructions such as housing, highways etc.
- Social facilities:
  Educational, medical and recreational facilities
- Rate of increase of population never remains constant
- Population of the city grows until it reaches saturation, which is established by limit of economic opportunity
- Thus all populations grow according to the logistic or S-curve
- More chance of developing and spreading disease

APPLICATIONS:

- ➢ To provide an estimate of the future population as a common framework for use in planning, policy formation and decision making in a number of different fields
- ➢ Market research
- ➢ Academic research

CONCLUSION:

As the number of births is expected to fall slowly and the number of deaths to rise, the global population growth rate will continue to fall. This is when the world population will stop increasing in the future.

FUTURE SCOPE :

The method of forecasting the future population for a small area from projections for the future population of a large area is meritorious in that assumptions for over-all social and economic conditions are made, and large scale changes may be taken into account.