NaanMudhalvan-SmartInternz

TRACING THE GROWTH OF THE GLOBAL COMMUNITY : A POPULATION FORECASTING ANALYSIS

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INTRODUCTION:

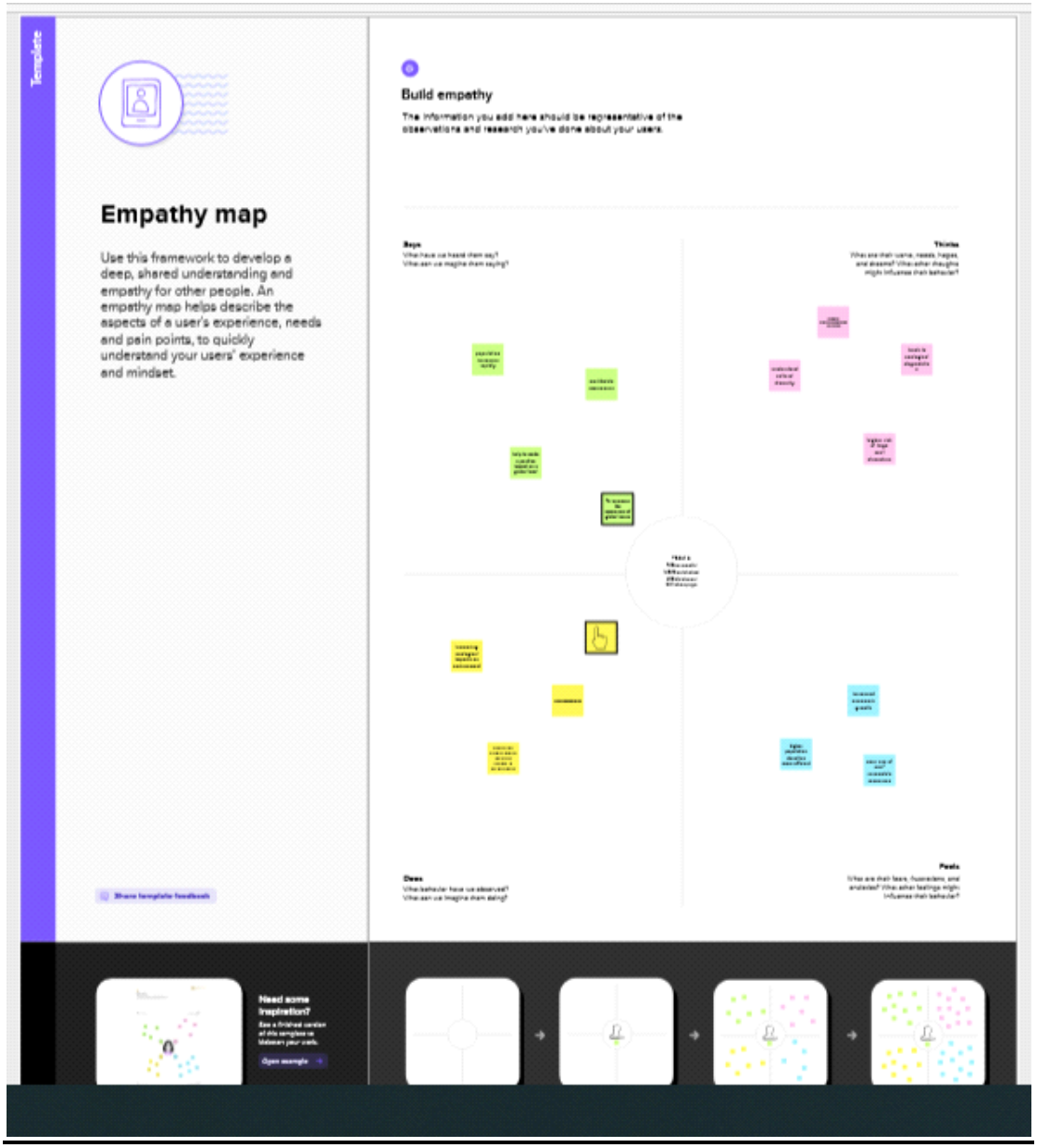
OVERVIEW:

Since the middle of the twentieth century, world population has more than tripled in size, rising from around 2.5 billion in 1950 to almost 7.9 billion in 2021. Projections by the United Nations suggest that the size of the global population could grow to almost 11 billion by the end of the twenty-first century, when it is expected to stabilize. A growth rate close to zero around 2100 would signal the end of the current era of rapid population growth, which began around 1800 in some regions and in the middle of the twentieth century on a global scale.Having accurate estimates of population trends and reliable forecasts of future changes, including for the size of populations and their distributions by age, sex and geographical location, is required for policy formulation and implementation and as a guide to assist countries in following a path towards sustainable development.

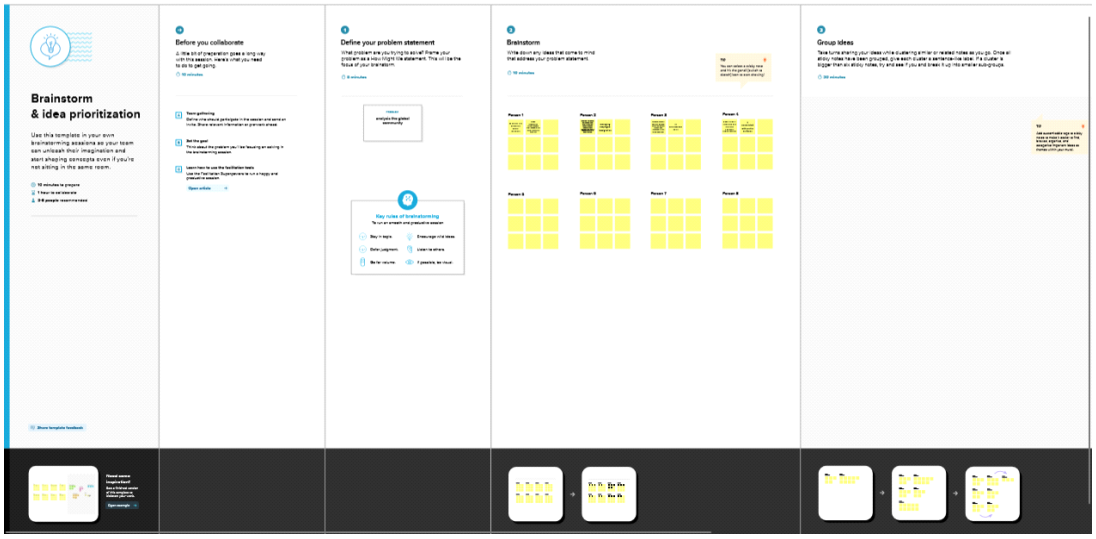
purpose:

It gives a picture of what the future size and structure of the population by sex and age might look like. It is based on knowledge of the past trends, and, for the future, on assumptions made for three components: fertility, mortality and migration. discovery of the factors that influence present and past population increase and decrease. On the basis of assumptions concerning the future of these factors, and of other factors that are just emerging in the community, projections of fertility, mortality and migration trends are made.

Problem definition & design thinking:



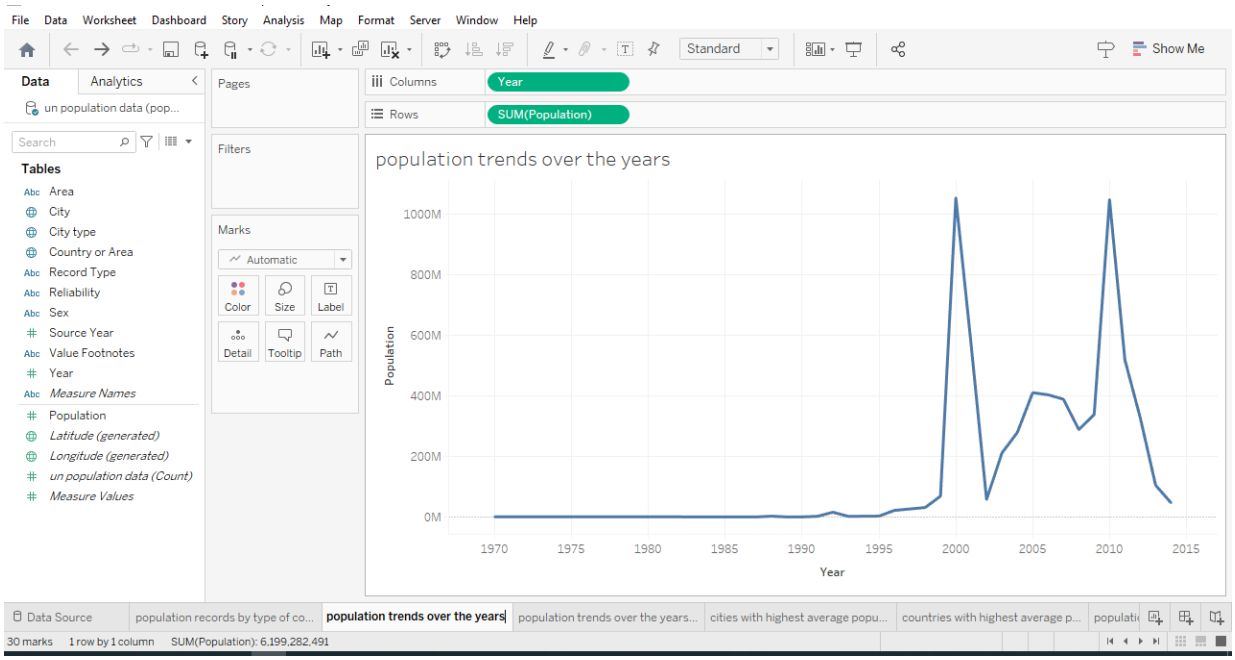
Empathy map



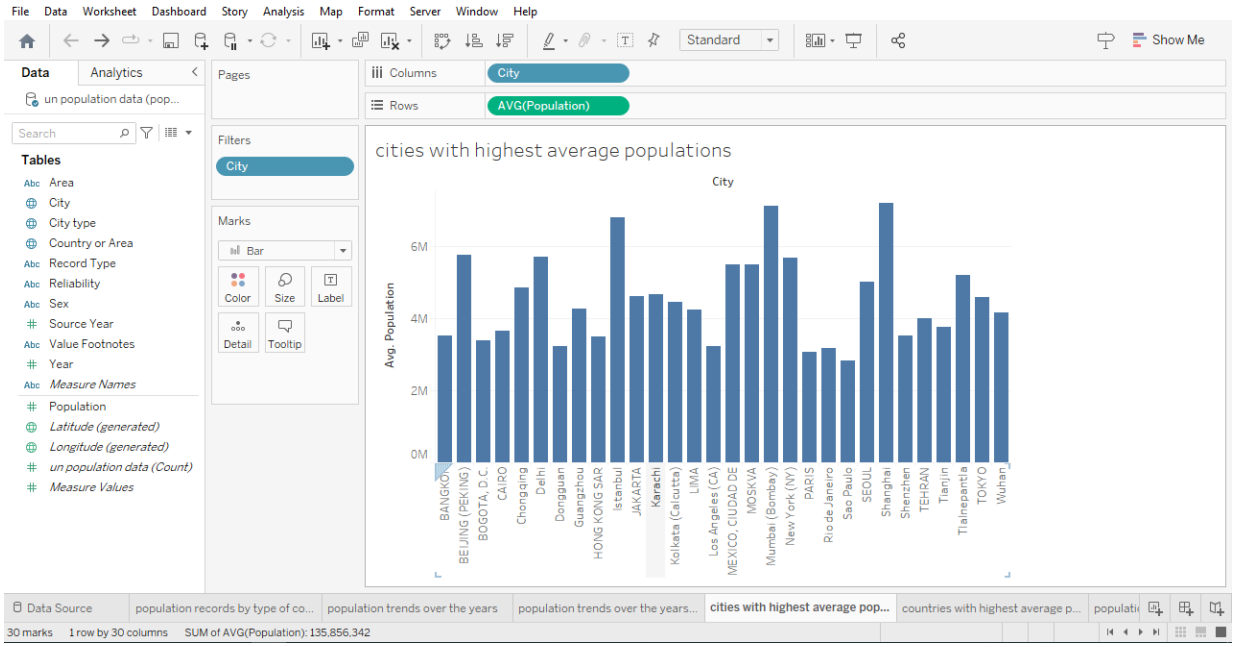
Ideation&Brainstorming map

RESULT:

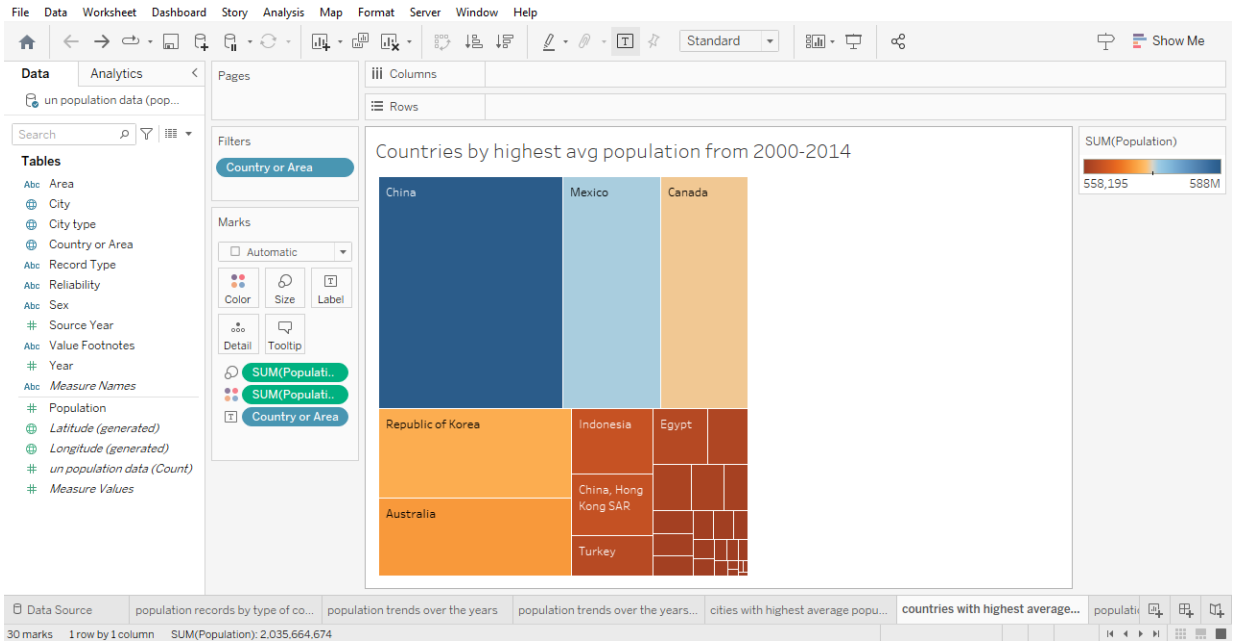
UN population of countries were higher in the year 2000



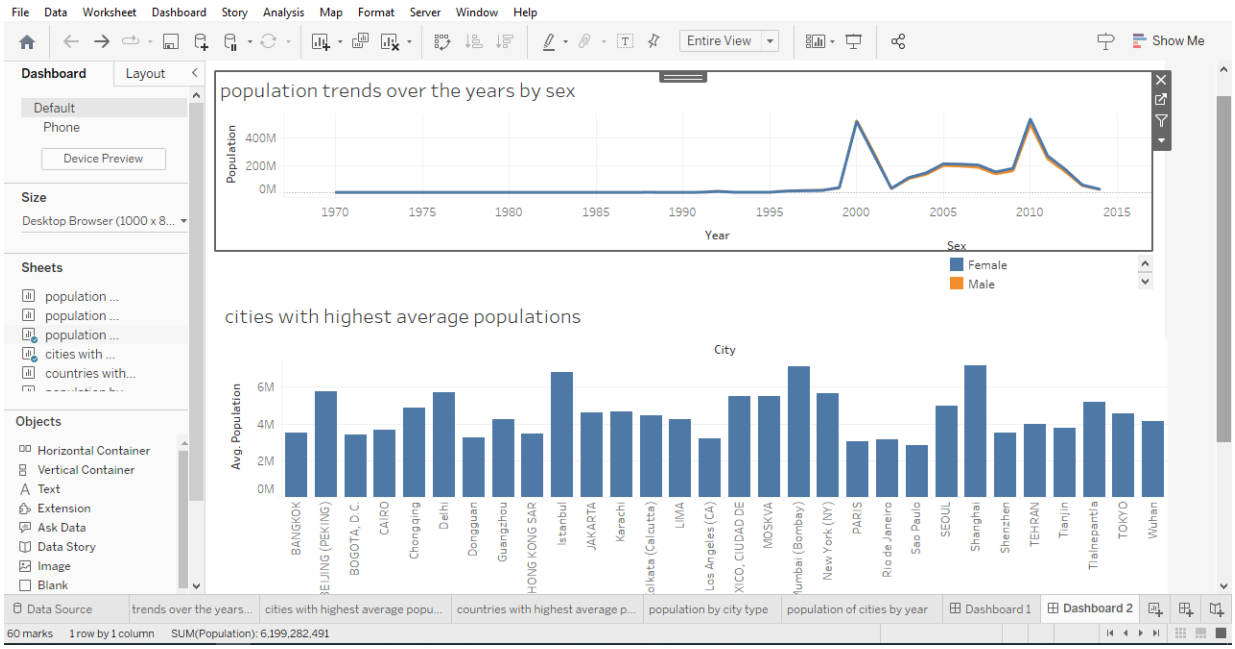
Shanghai is the highest average population city



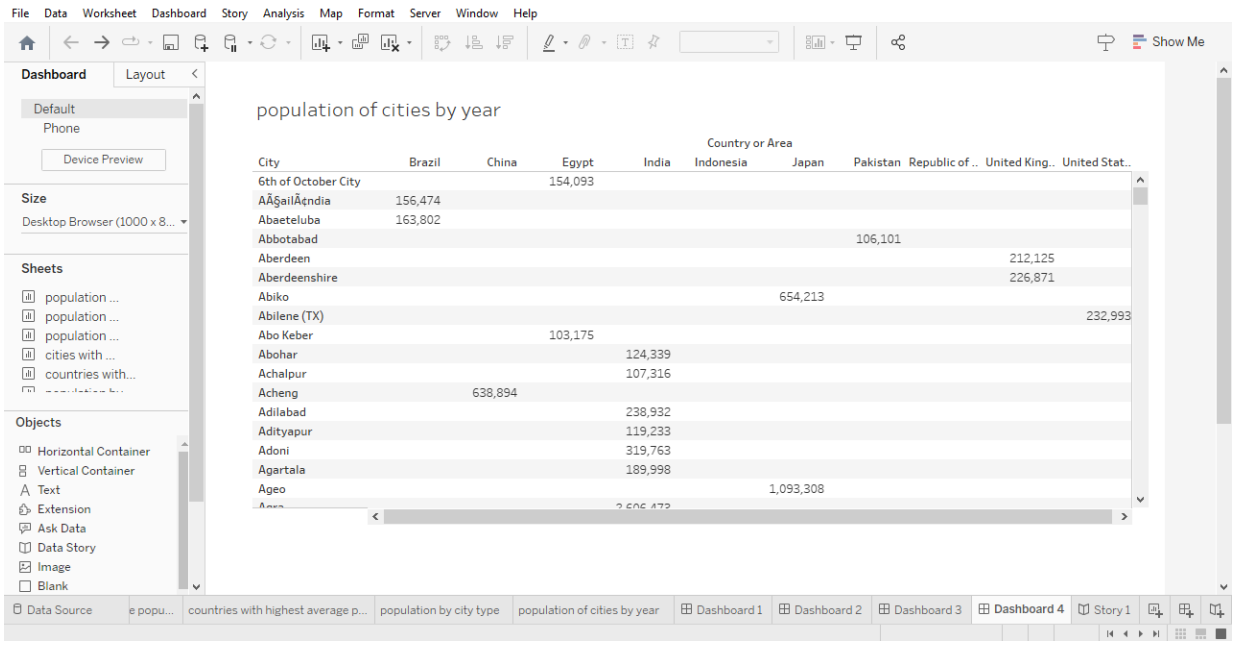
China is the highest average population country from 2000-2014



Population trends by sex and cities average population



UN Population of cities by the year



Advantages and Disadvantages:

From these result we will come to know the countries that which the countries have the highest population by cities,by years,by sex.

By the average population country ,the china is the highest average population country in the year 2000-2014.

By the various types,the various types of countries or cities reaches the limits .

Application:

This result will useful to find the growth of population by various sectors like cities,countries.

It will be useful to reduce the population in which the country have more population.

Conclusion:

We extend the UN method to very-long range population forecasts by combining the statistical approach with expert review and elicitation. While the world population is projected to grow for the rest of this century, it will likely stabilize in the 22nd century and decline in the 23rd century

Future scope:

In our view there are many directions in which this work can progress. Two main points are mentioned here.Firstly, more attention could be paid to the way in which migration is handled probabilistically.Sometimes it has been ignored (as in Booth's 2004forecasts for Australia) or included deterministically in an otherwise probabilistic forecast.

Appendix:

Source Code:

Dashboard:
https://public.tableau.com/views/newdashboard_16813949960310/Dashboard1?:language=en-US&:display_count=n&:origin=viz_share_link

Story:

https://public.tableau.com/views/newstory_16813963401880/Story1?:language=en-US&:display_count=n&:origin=viz_share_link

file:///C:/Users/Lenovo/Desktop/Tracing%20the%20growth%20of%20global%20comm

unity%20_%20A%20population%20forecasting%20analysis/dash1.html