

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

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INTRODUCTION

Overview:

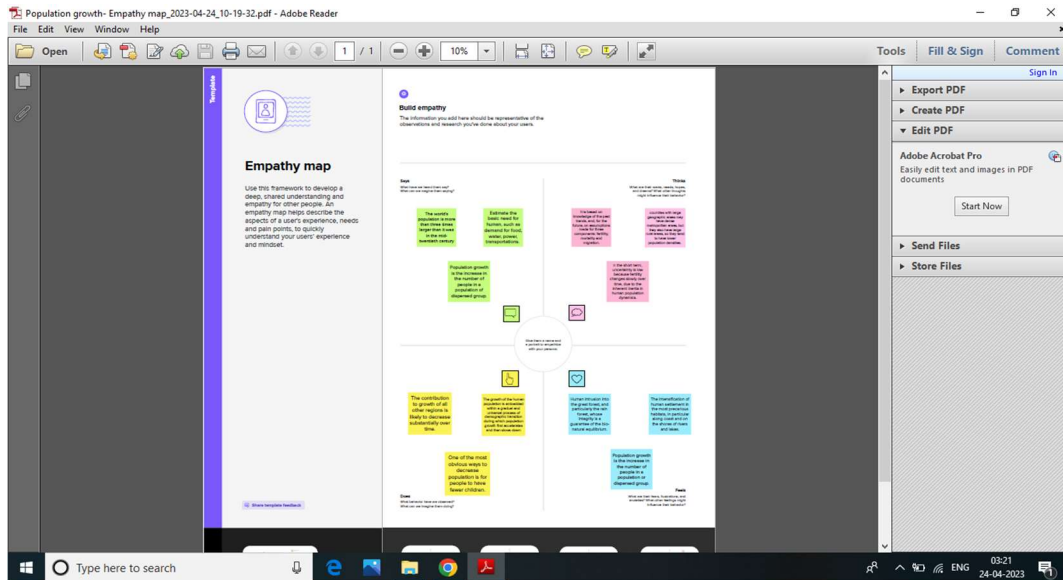
The world's population is more than three times larger than it was in the mid-twentieth century. The global human population reached 8.0 billion in mid-November 2022 from an estimated 2.5 billion people in 1950, adding 1 billion people since 2010 and 2 billion since 1998. The world's population is expected to increase by nearly 2 billion persons in the next 30 years, from the current 8 billion to 9.7 billion in 2050 and could peak at nearly 10.4 billion in the mid-2080s.

Purpose:

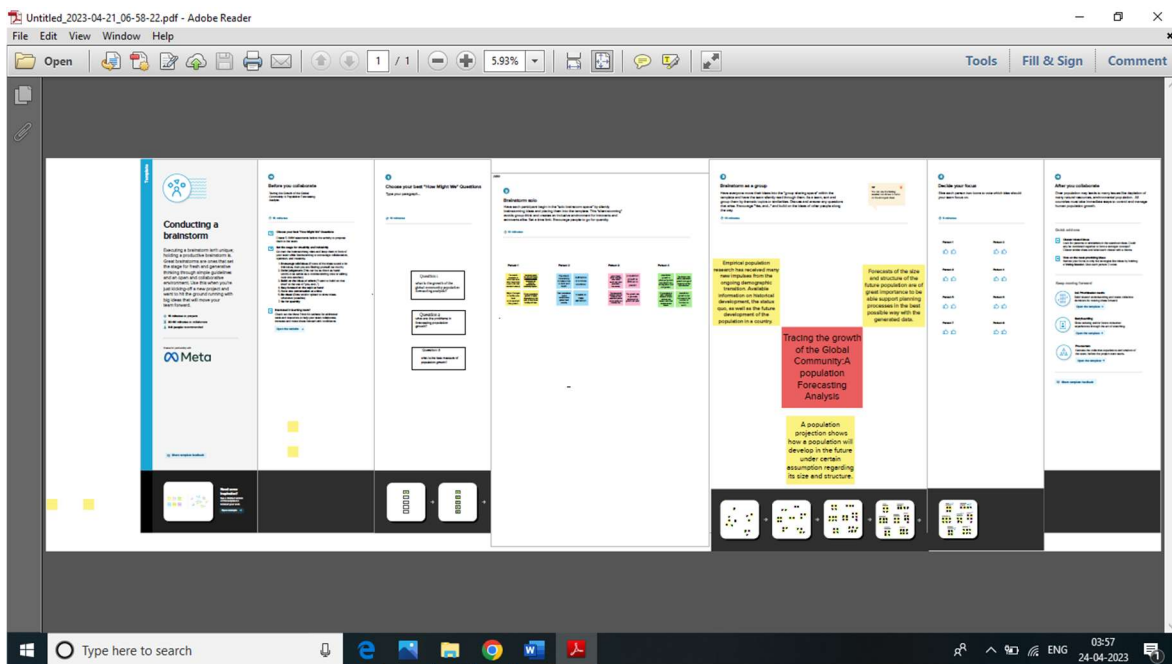
This method involves discovery of the factors that influence present and past population increase and decrease. On the basis of assumptions concerning the future of these factors, and of other factors that are just emerging in the community, projections of fertility, mortality and migration trends are made.

PROBLEM DEFINITION AND DESIGN THINKING

Empathy Map:

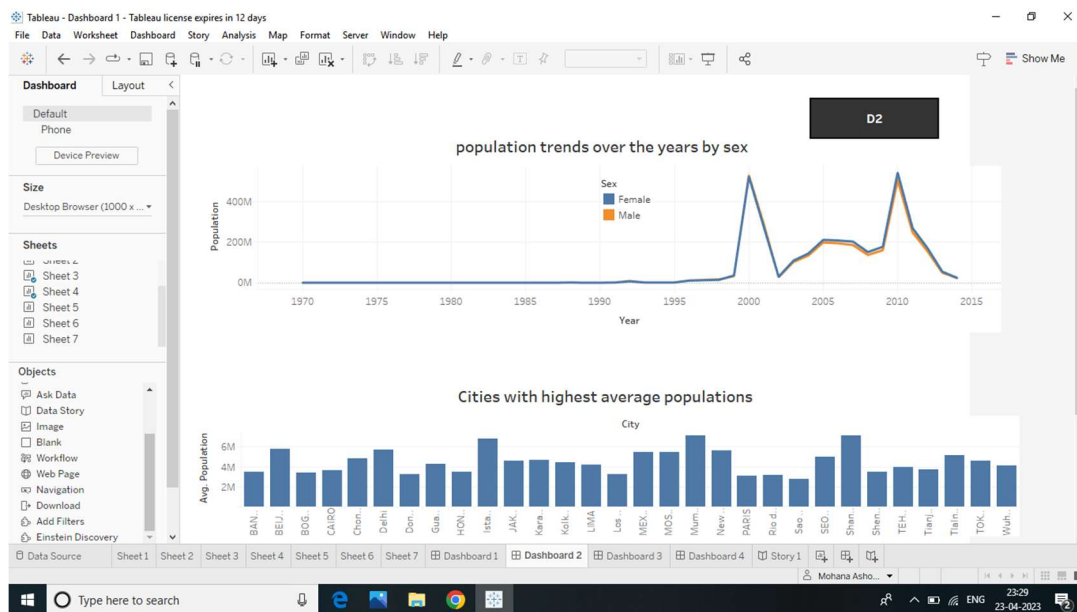
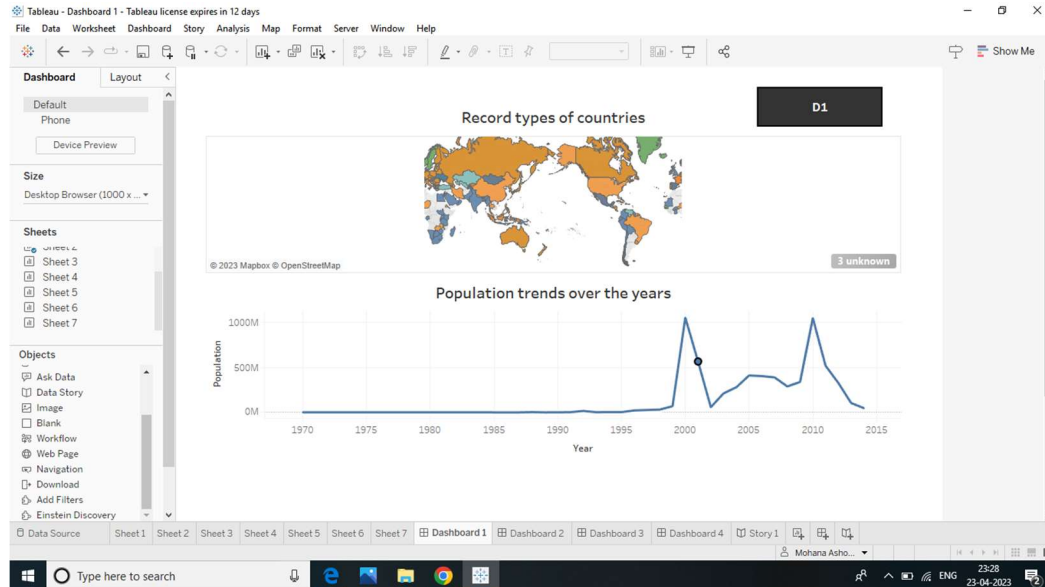


Ideation and Brainstorming map:



Result:

Dashboards:



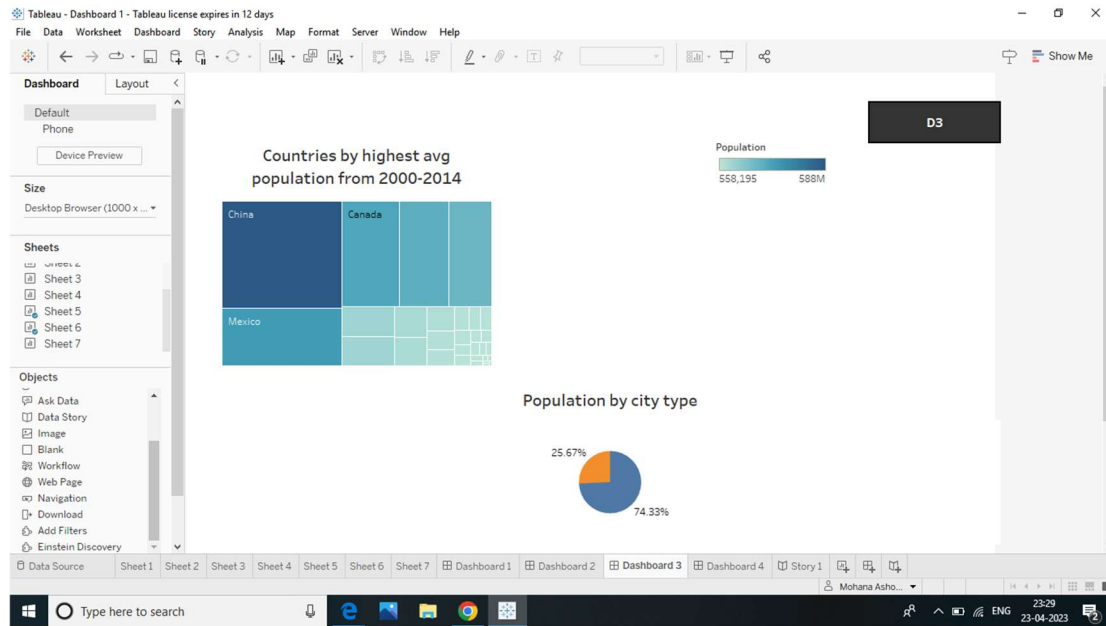


Tableau - Dashboard 1 - Tableau license expires in 12 days

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Dashboard Layout

Default Phone Device Preview

Size Desktop Browser (1000 x ...)

Sheets Sheet 3 Sheet 4 Sheet 5 Sheet 6 Sheet 7

Objects Ask Data Data Story Image Blank Workflow Web Page Navigation Download Add Filters Einstein Discovery

Population of cities by year

Country or Area

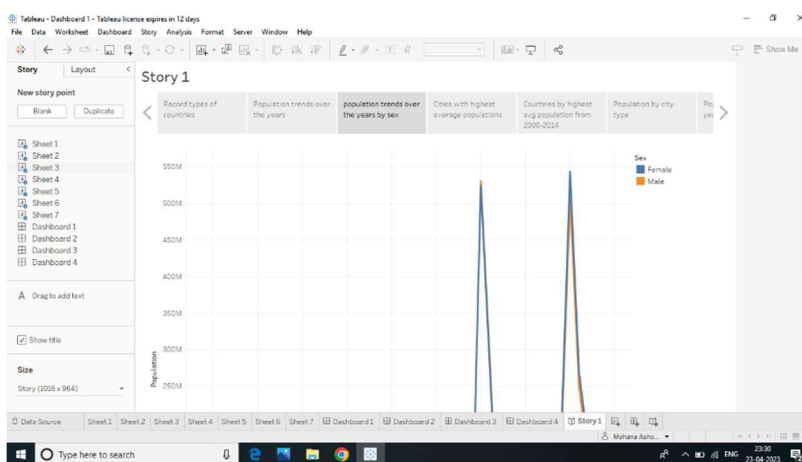
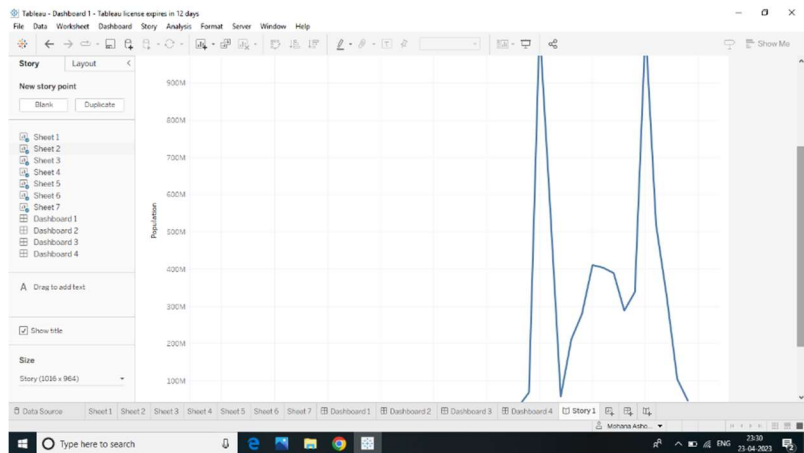
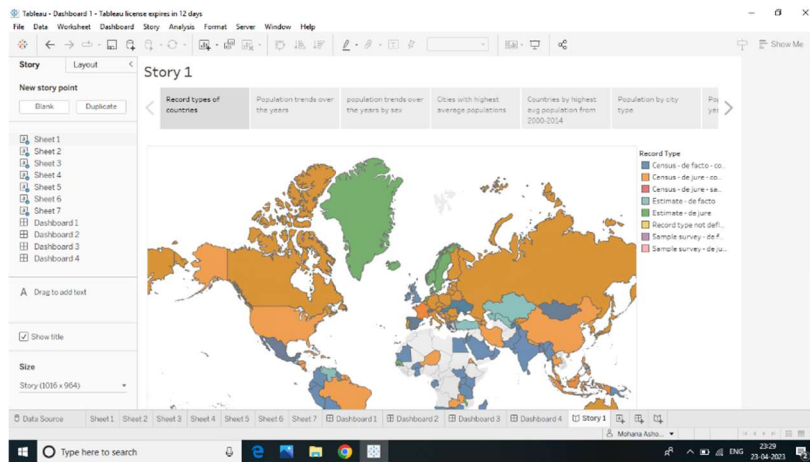
City	Brazil	China	Egypt	India	Indonesia	Japan	Pakistan	Republic of ...	United King...	United Stat...
6th of October City			154,093							
Århus	156,474									
Abaeluba	163,802									
Abbotabad							106,101			
Aberdeen									212,125	
Aberdeenshire									226,871	
Abiko						654,213				
Abilene (TX)										232,993
Abo Keber			103,175							
Abohar				124,339						
Achalpur				107,316						
Acheng		638,894								
Adilabad				238,932						
Adityapur				119,233						
Adoni				319,763						
Agartala				189,998						
Ageo					1,093,308					
Agra				2,606,473						
Agua Lindas de Goiás	318,276									
Ahmedabad				8,045,098						
Ahmednagar				655,164						
Aizawl				228,280						

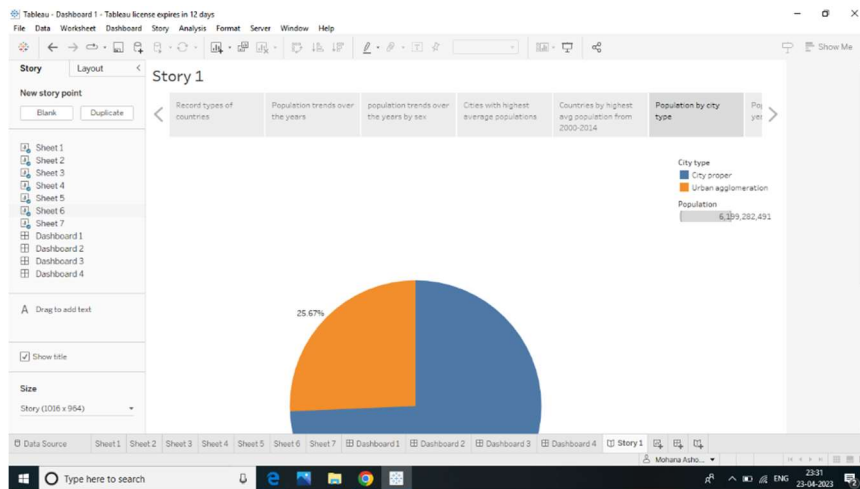
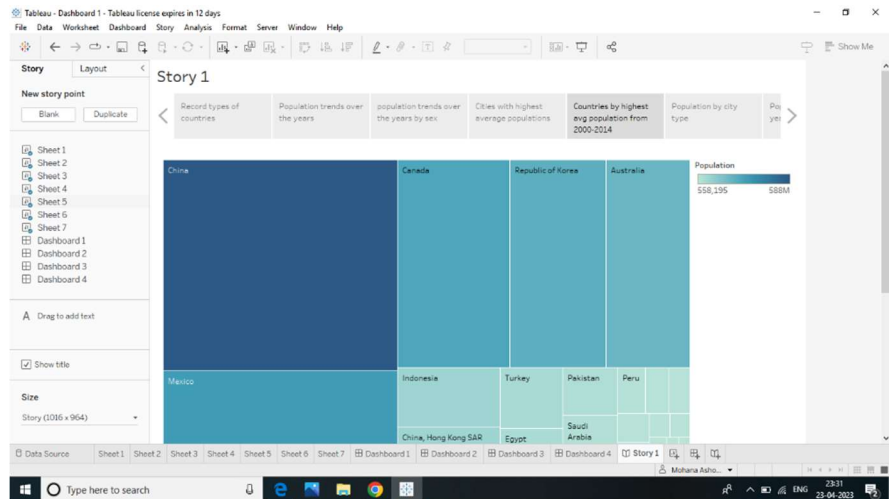
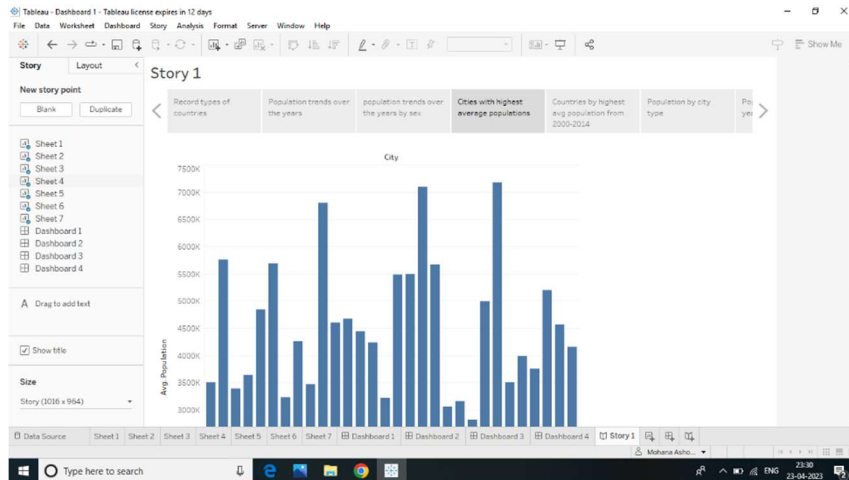
Data Source Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6 Sheet 7 Dashboard 1 Dashboard 2 Dashboard 3 Dashboard 4 Story 1

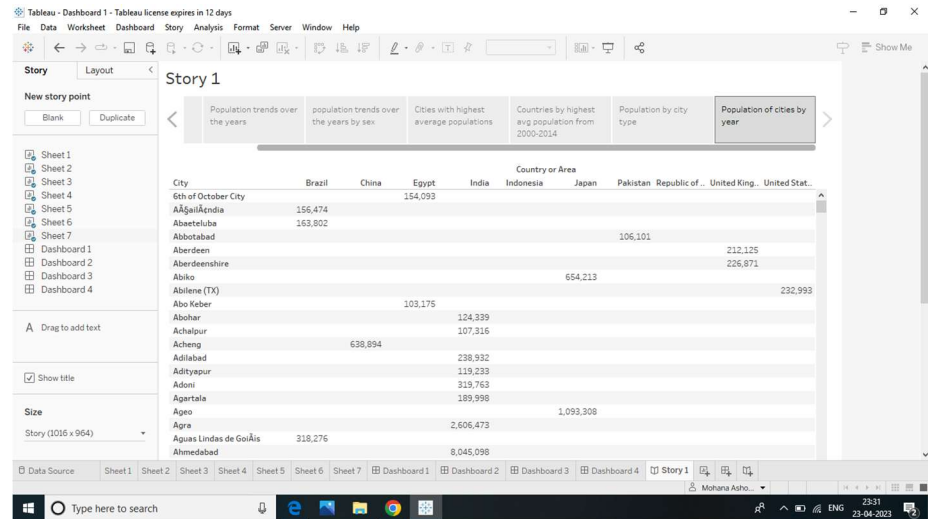
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Mohana Asho... 23:29 23-04-2023

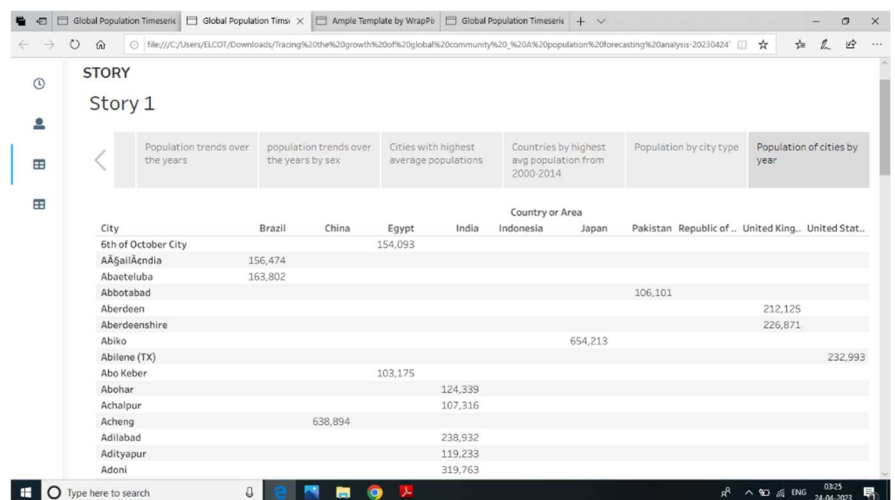
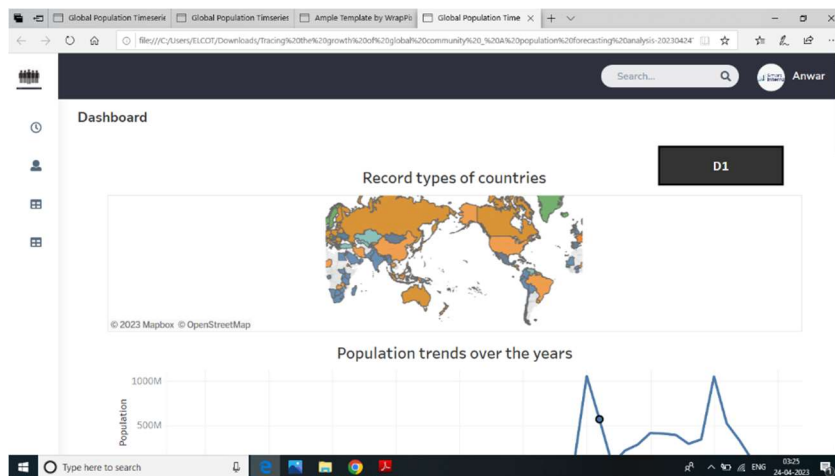
Story:







The Web application:



ADVANTAGES AND DISADVANTAGE

Advantage:

In population projection, it is necessary to anticipate the number of persons who will be born and will survive to replace the present generation. There are a number of measurements of birth rates. Probably the most widely used has been the crude birth rate or the number of live babies born in anyone year per 1000 of the total population. Estimate the basic need for human, such as demand for food, water, power, transportations. Plan constructions such as housing, highways etc.

Disadvantage:

The disadvantages pertaining to forecasting include the following:

Forecasts are Never Completely Accurate – Forecasts are never 100% and it is almost impossible to predict the future with certainty. Even if you have a great process in place and forecasting experts on your payroll, your forecasts will never be spot on

APPLICATION

The main purpose of producing population projections is 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.

CONCLUSION

The current population of India is around 140 crores. According to certain reports, in the next few years, there will be a solid growth of population in India, and globally too. The population is the total number of human beings living in a city or the country. The Earth's current population is almost 7.6 billion people, and it is expanding. It is expected to surpass 8 billion people by 2025, 9 billion by 2040, and 11 billion by 2100. The population is quickly increasing, far surpassing our planet's ability to maintain it, given existing habits.

FUTURE SCOPE

The UN Population Division report of 2022 projects world population to continue growing after 2050, although at a steadily decreasing rate, to peak at 10.4 billion in 2086, and then to start a slow decline to about 10.3 billion in 2100 with a growth rate at that time of -0.1%.

Appendix:

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