

# PROJECT REPORT



## TRACING THE GROWTH OF THE GLOBAL COMMUNITY – A POPULATION FORECASTING ANALYSIS

# **1. INTRODUCTION:**

This project is focusing on the topic of population forecasting analysis and tracing the growth of global community. Global population growth is determined by the number of births and deaths. While in some regions the world population will likely grow rapidly for the coming decades other regions will continue to see declining population numbers.

## **1.1 OVERVIEW:**

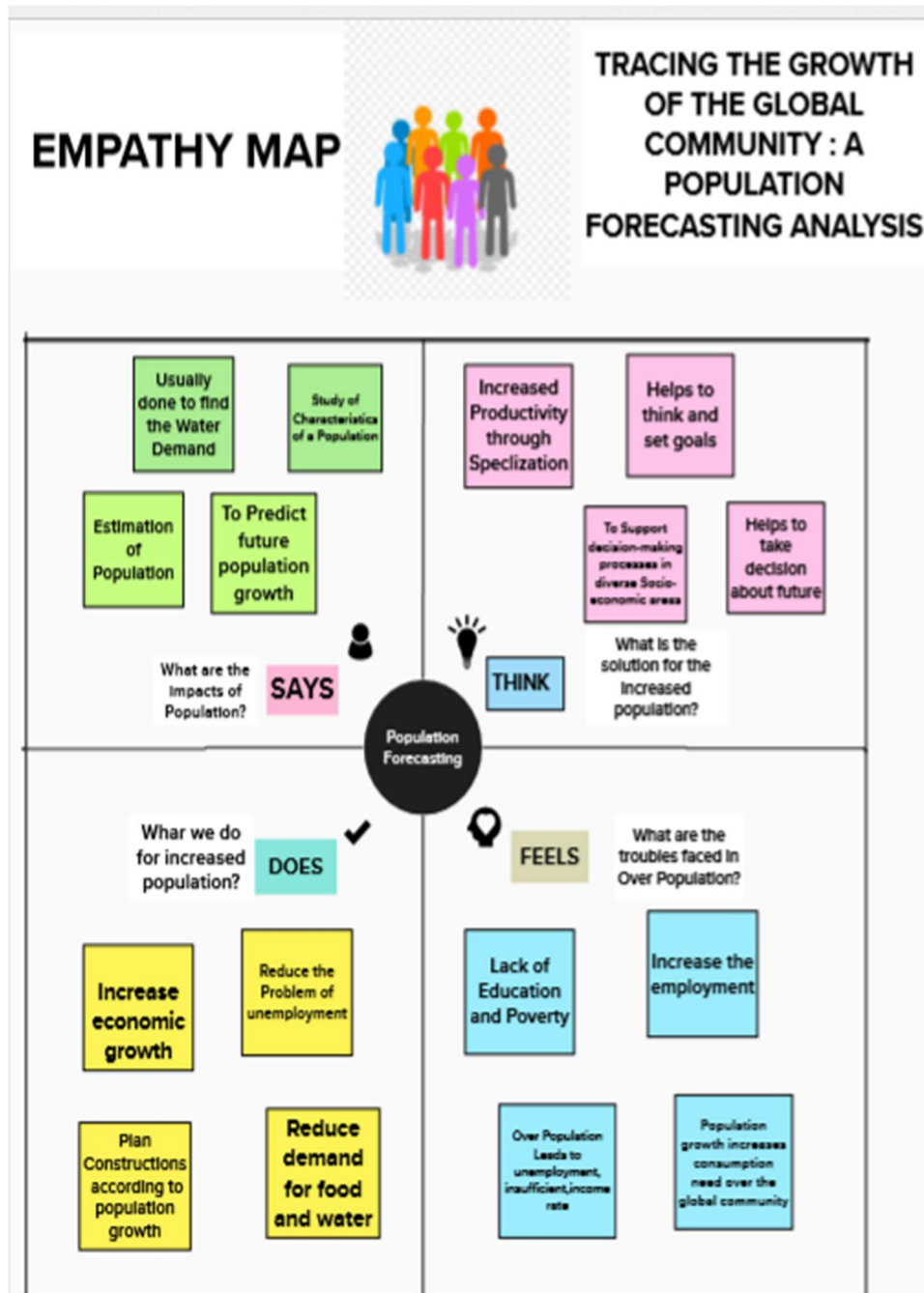
Population forecasting is the method of examining the past and current population growth and patterns in order to gain some insights about future population growth. It requires a detailed and proper study of data and information.

## **1.2 PURPOSE:**

A population projection gives the future size and structure of the population. It is based on knowledge of the past trends. Population projection can be used as a tool to provide information on possible scenarios of future population.

## 2. PROBLEM DEFINITIONS AND DESIGN THINKING:

### 2.1 EMPATHY MAP:

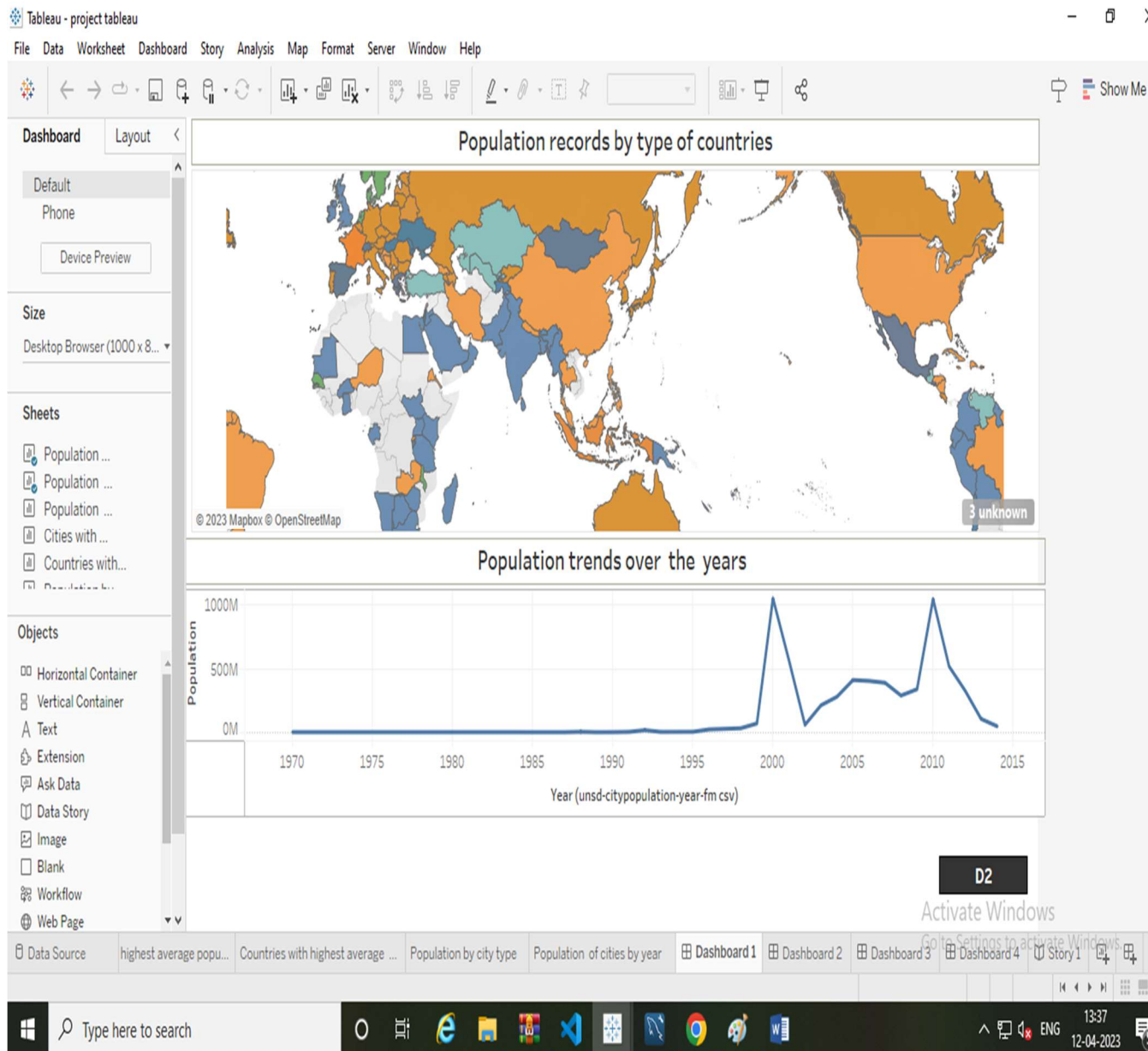


## 2.2 IDEATION AND BRAINSTORMING MAP:

[illegible]

### 3. RESULT:

#### *Dashboard:*





Dashboard

Layout

Default

Phone

Device Preview

Size

Desktop Browser (1000 x 800)

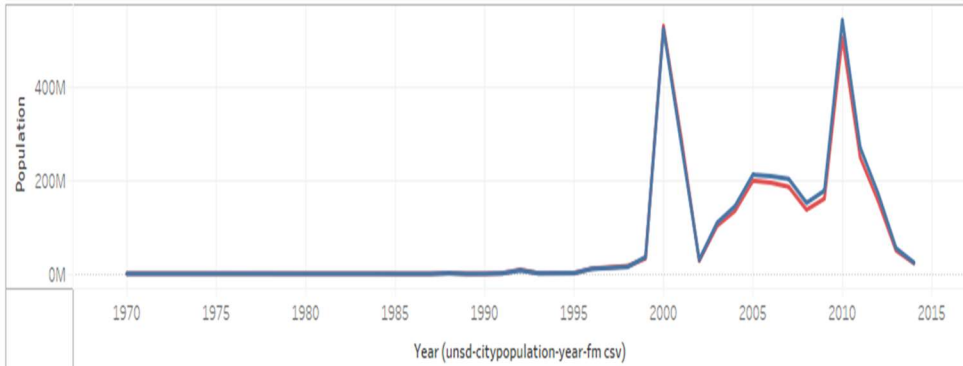
Sheets

- Population ...
- Population ...
- Population ...
- Cities with ...
- Countries with...
- Population by...

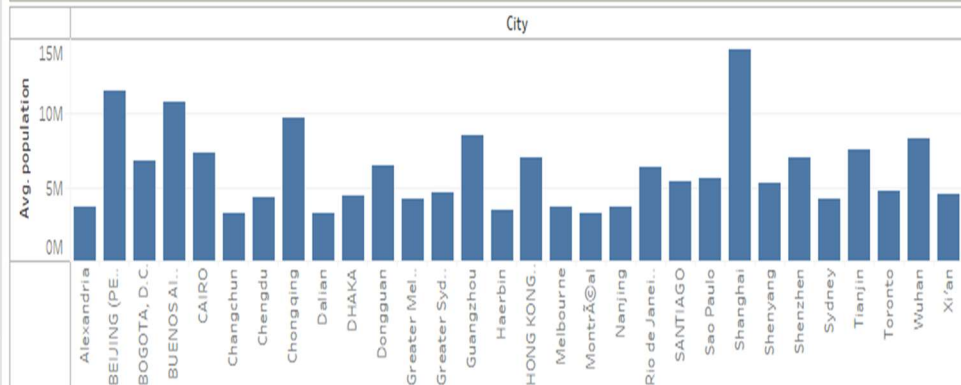
Objects

- Horizontal Container
- Vertical Container
- Text
- Extension
- Ask Data
- Data Story
- Image
- Blank
- Workflow
- Web Page

## Population trends over the years by sex



## Cities with highest average populations



Data Source highest average popu... Countries with highest average ... Population by city type Population of cities by year Dashboard 1 Dashboard 2 Dashboard 3 Dashboard 4 Story 1

Type here to search



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## Dashboard

## Layout

Default

Phone

Device Preview

## Size

Desktop Browser (1000 x 800)

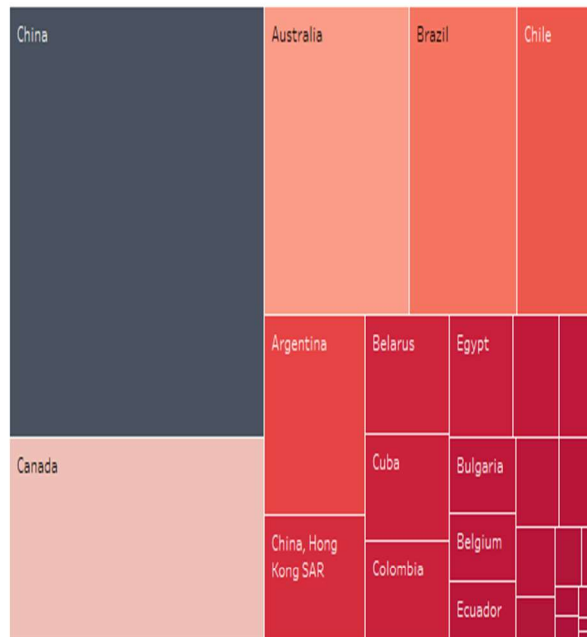
## Sheets

- Population ...
- Population ...
- Population ...
- Cities with ...
- Countries with ...
- Population ...

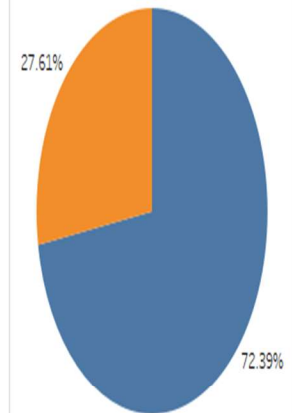
## Objects

- Horizontal Container
- Vertical Container
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- Data Story
- Image
- Blank
- Workflow
- Web Page

## Countries with highest average population from 2000 -2014



## Population by city type



Population of cities by year

City	Country or Area										
	Argentina	Armenia	Australia	Austria	Azerbaijan	Bangladesh	Belarus	Belgium	Brazil	Bulgaria	Canada
6th of Octo..											
Ä...lborg											
Ä...rhus											
ÄÄ...Änd..									156,474		
Abaeteluba									163,802		
Abbotsford..											1,872
Abo Keber											
Acheng											
Adelaide			15,975,570								
Aguas Lind..									318,276		
Ahuachapan											
Akeshu											
Akhmim											
Al Orizah											
Alagoinhas									246,366		
Alajuela											
Alajuelita											
Albury-Wod..			790,824								
Aletai											
Alexandria											
Almirante T..									197,784		
Alto Hospicio											
Alvorada									371,248		
Ambato											
Americana									419,308		
Anãinolis									653,918		

Activate Windows  
Go to Settings to activate Windows

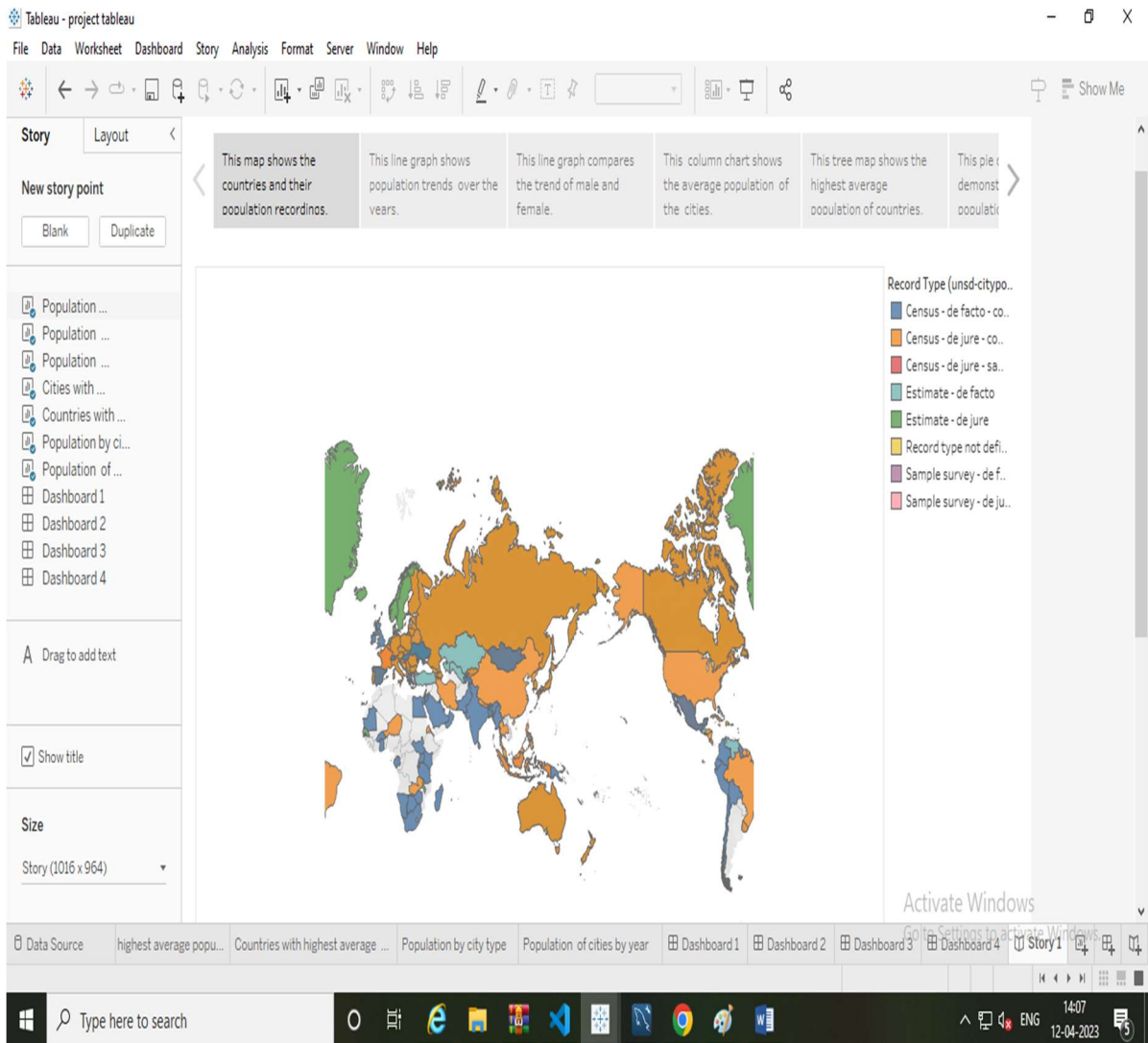
Data Source highest average popu... Countries with highest average ... Population by city type Population of cities by year Dashboard 1 Dashboard 2 Dashboard 3 Dashboard 4 Story 1

Type here to search

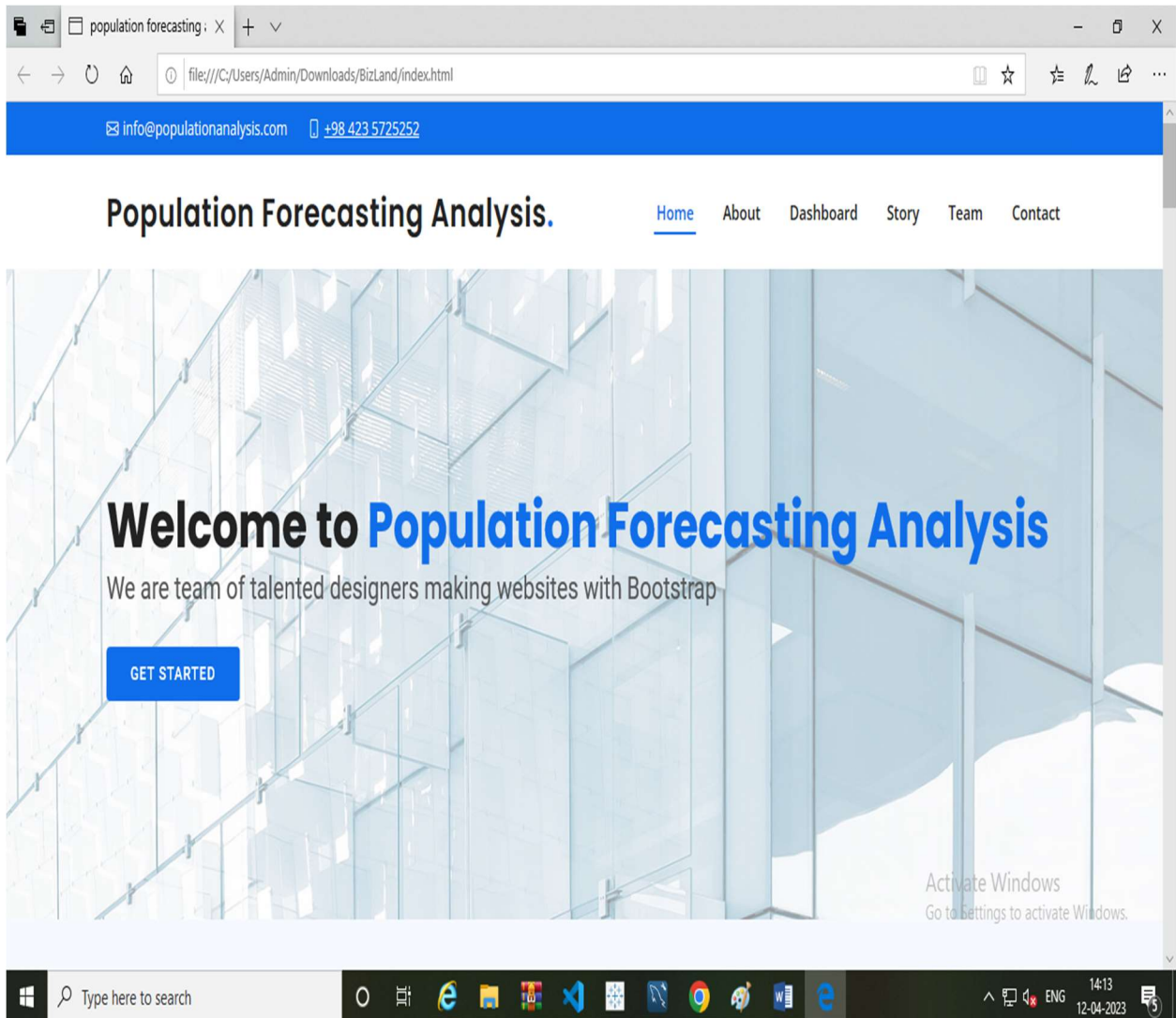
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12-04-2023



## Story:



## Web Application:



## 4. **ADVANTAGES AND DISADVANTAGES:**

### **ADVANTAGES:**

- ❖ Population growth has positive effects such as producing and consuming more goods.
- ❖ This helps to improve the country economy and living standard.
- ❖ Higher populations can enable a critical mass of people to enable a more vibrant society.
- ❖ It provides the business with valuable information that the business can use to make decisions about the future of the organization.
- ❖ Reduction in population level yields a better solution for unemployment.

### **DISADVANTAGES:**

- ❖ Projections for areas with small populations tend to be less reliable than those for areas with large population.
- ❖ Population projection is unpredictable. It is difficult to obtain reliable data on migration.
- ❖ The low income of large family does not afford to provide education to their children.
- ❖ The increased population can lead to the exploitation of natural resources.
- ❖ The number of unproductive consumers is increasing.

## **5. APPLICATIONS:**

Population projections can be used as a tool to provide information on possible scenarios of future population and namely to support decision making. Population projection processes in diverse socio-economic areas, such as higher education institutional network planning both in public and private sectors.

## **6. CONCLUSION:**

Population growth is difficult to predict because unforeseen events can alter birth and death rates. The most important solution to over population is education and public awareness. In this project we have done the visualization based on the data of the population of global community.

## **7. FUTURE SCOPE:**

The enhancement of the project can be done in an efficient manner. We can update the project with further modifications. Improvements can be done by including more data and we can do more visualization based on the ages, fertility, mortality rates etc.

## **8. APPENDIX:**

**A.Source code:**     `file:///C:/Users/Admin/Downloads/BizLand/index.html`

