Tracing the growth of global community: A population forecasting analysis

Introduction

Overview:-

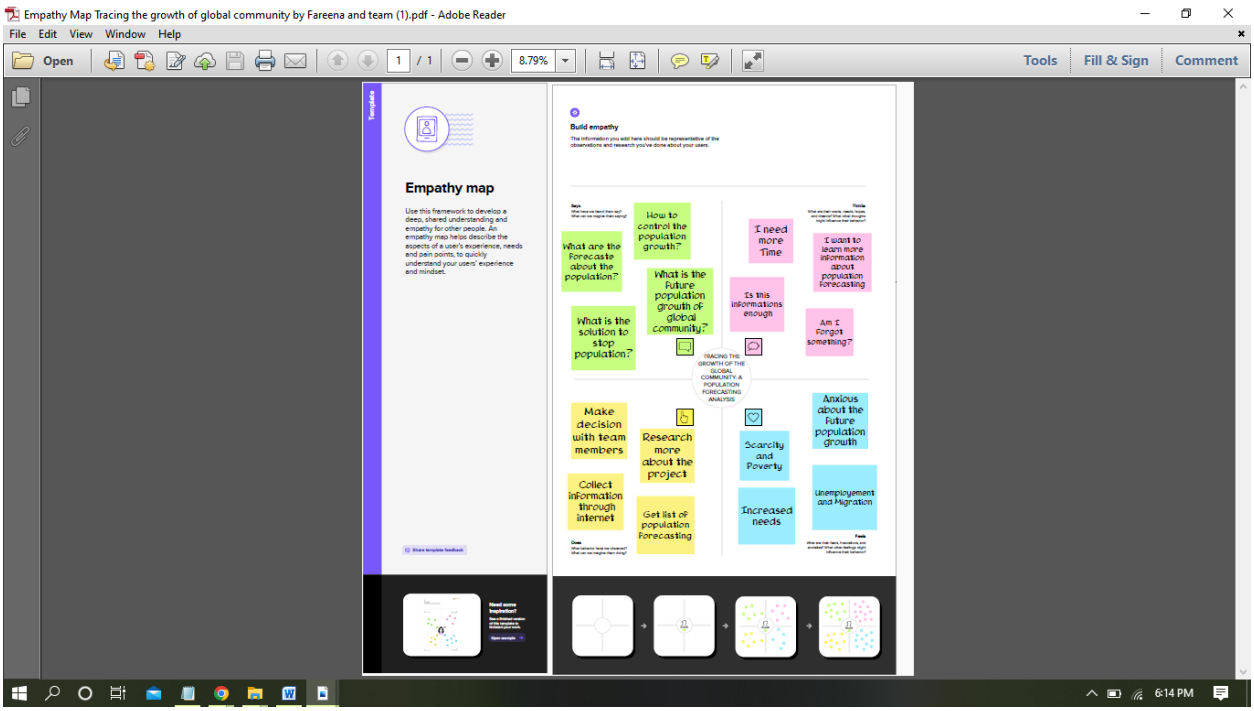
The world's population is more than 3 times larger than it was in the mid – twentieth century .The global human population reached 8.0 billion in mid – November 2022 from an estimated 2.5 billion people in 1950 ,adding 1 billion people since 2010 and 2 billion since 1998.The world's population is expected to increased 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. This dramatic growth has been driven largely by increasing numbers of people surviving to reproductive age, the gradual increase in human life span, increasing urbanization, and accelerating migration .Major changes infertility rate have accompanied this growth .These trends will have far –reaching implications for generations to come. Population counts are important for governments in order to collect taxes and allocated the proper amount of funding to various infrastructure and social programs. Demography is the study of populations and their characteristics, and how these change over time and from place to place.

Purpose:-

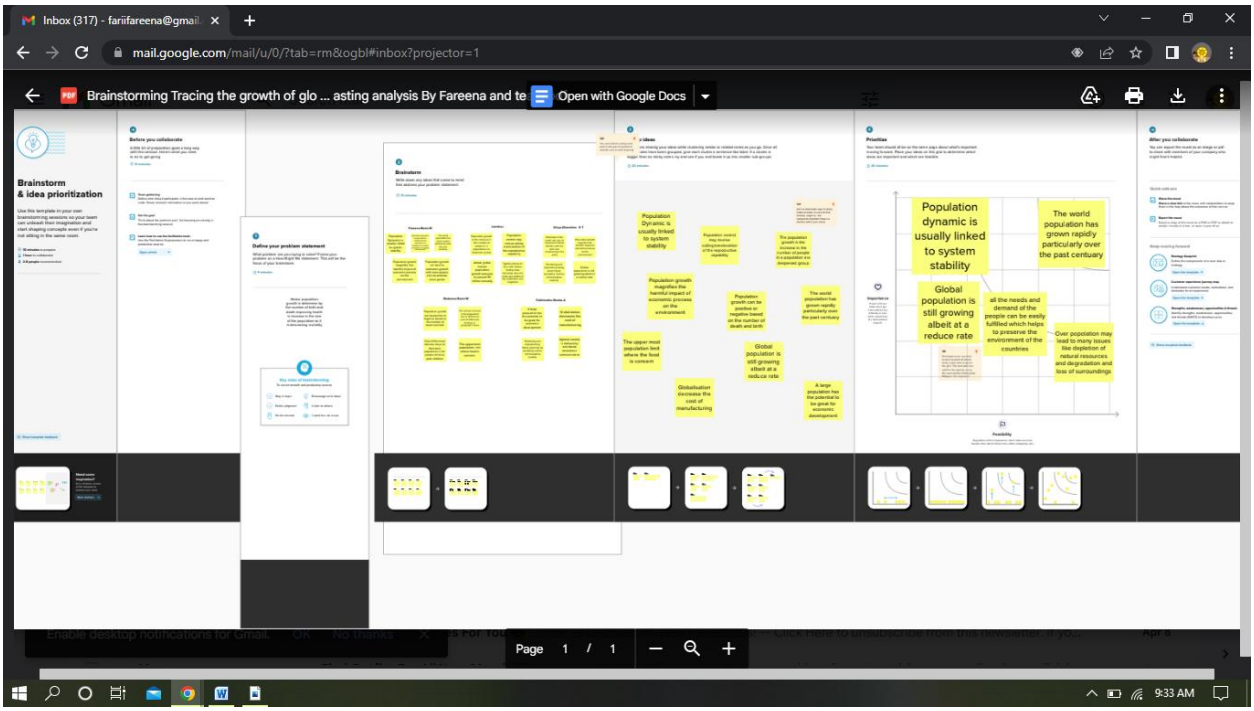
A population projection gives a picture of what the future size and structure of the population by sex and age might look like .It is based on knowledge of the past trends, and for the future ,on assumptions made for three components: fertility ,mortality and migration .

Problem Definition and Design Thinking

Empathy Map:

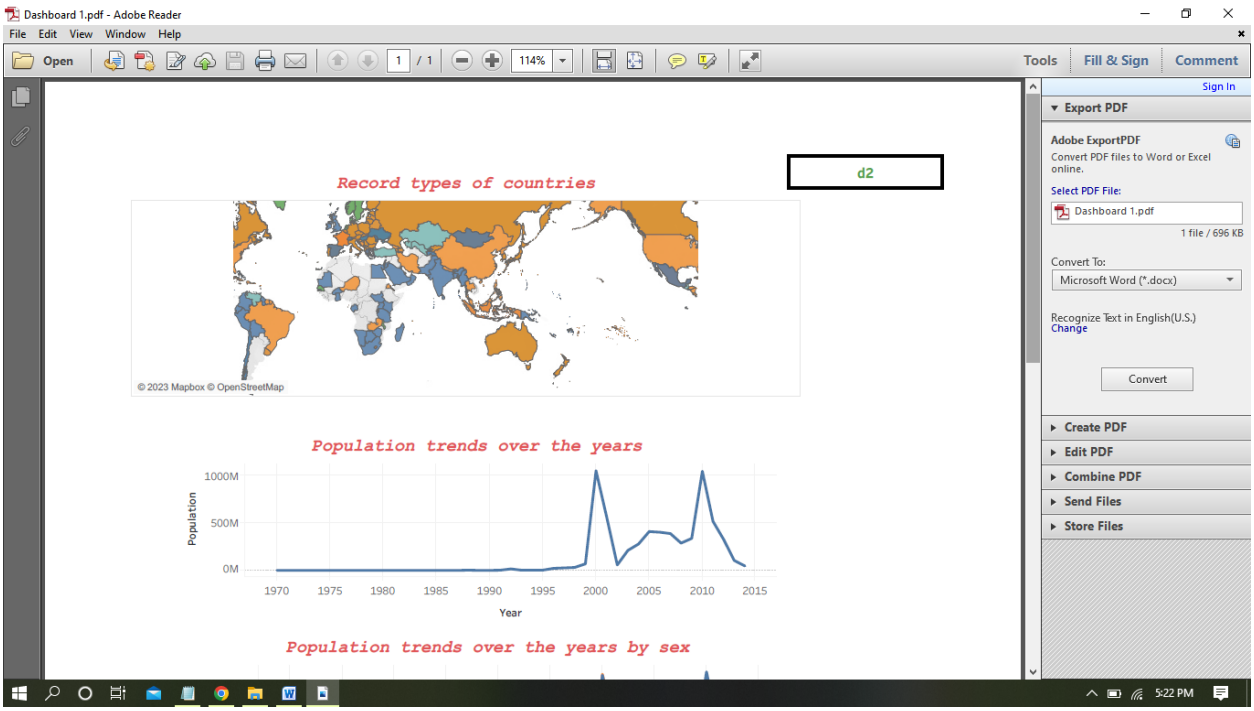


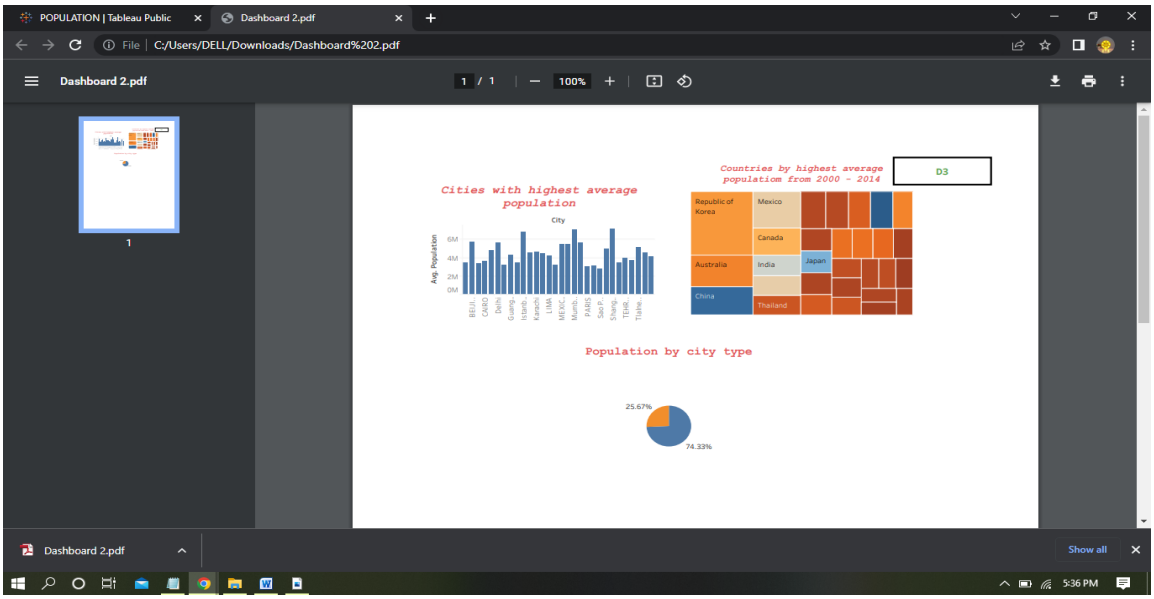
Ideation and brain storming map:-

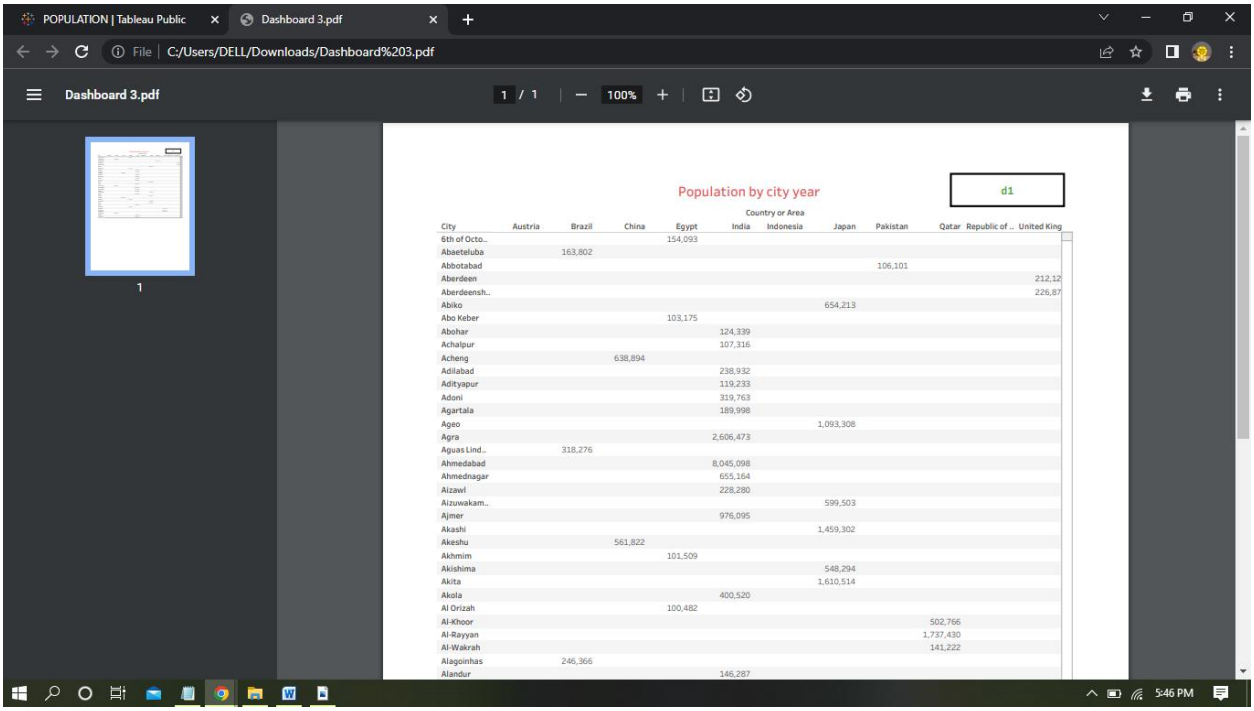


Result:-

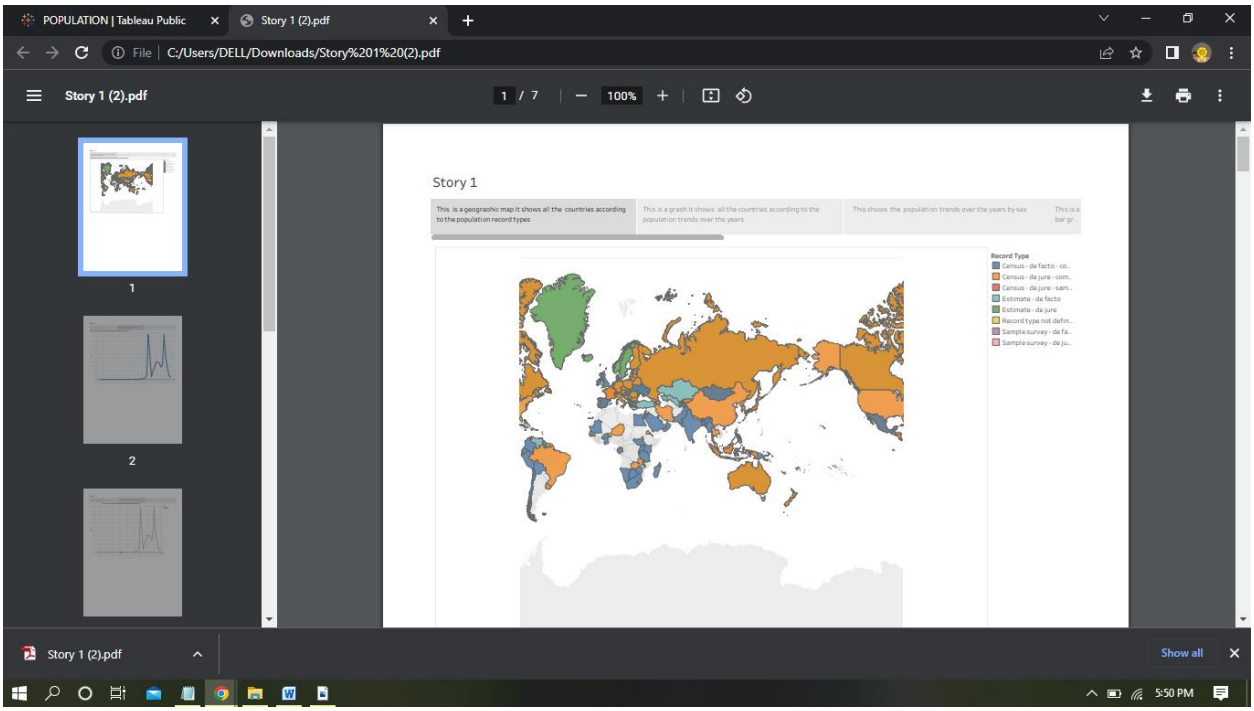
Dashboard:

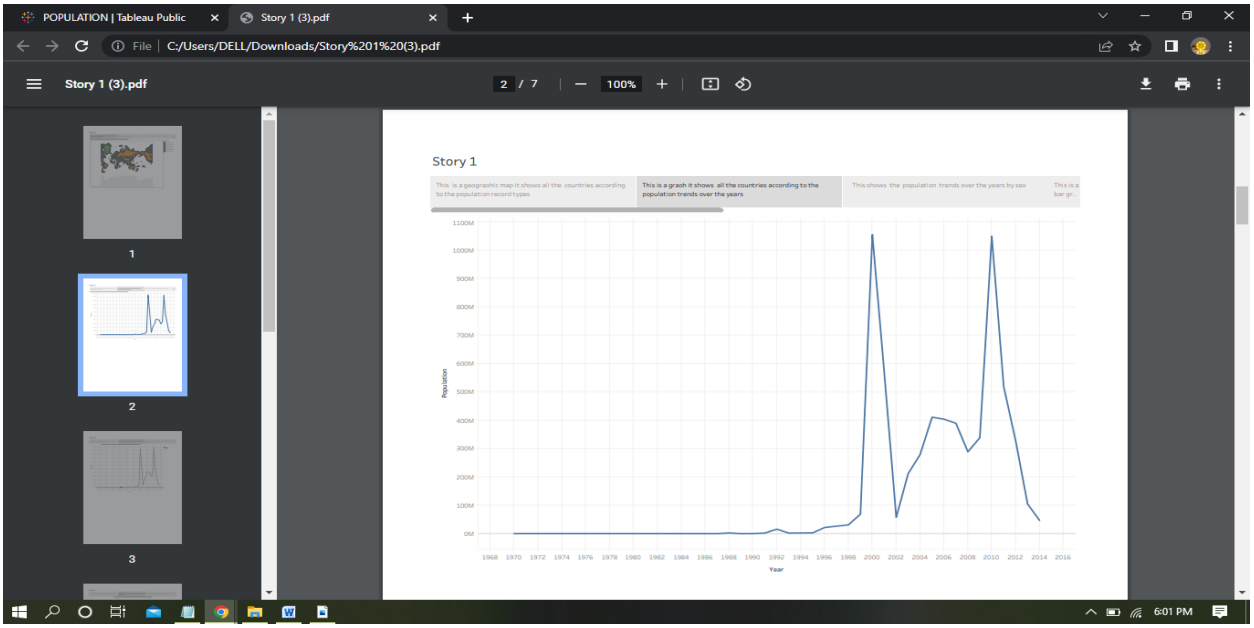

Dashboard 1.pdf - Adobe Reader
File Edit View Window Help
Open
Tools
Fill & Sign
Comment
Sign In
Export PDF
Adobe ExportPDF
Convert PDF files to Word or Excel online.
Select PDF File:
Dashboard 1.pdf
1 file / 696 KB
Convert To:
Microsoft Word (*.docx)
Recognize Text in English(U.S.)
Change
Convert
Create PDF
Edit PDF
Combine PDF
Send Files
Store Files
d2
Record types of countries
© 2023 Mapbox © OpenStreetMap
Population trends over the years
Population
1000M
500M
0M
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
Year
Population trends over the years by sex
5:22 PM

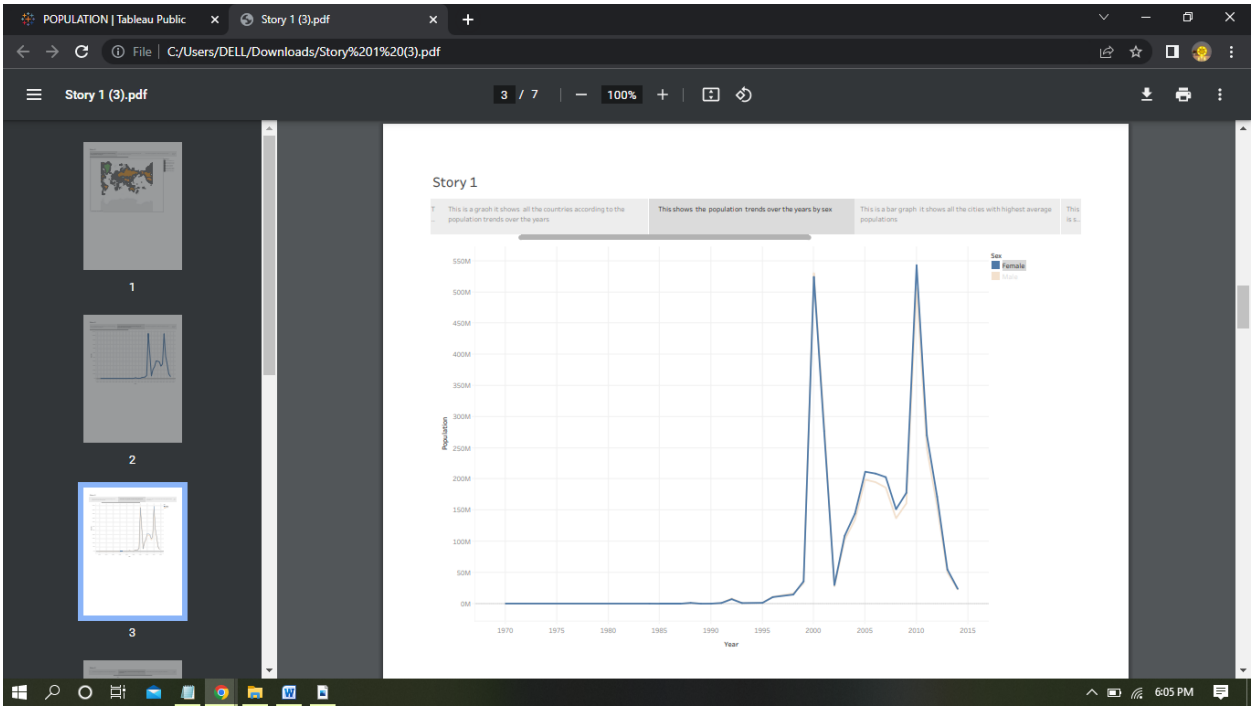

POPULATION | Tableau Public
Dashboard 2.pdf
C:/Users/DELL/Downloads/Dashboard%202.pdf
Dashboard 2.pdf
1 / 1
100%
1
Cities with highest average population
City
Avg. Population
6M
4M
2M
0M
Countries by highest average population from 2000 - 2014
D3
Republic of Korea
Mexico
Canada
Australia
India
Japan
China
Thailand
Population by city type
25.67%
74.33%
Dashboard 2.pdf
Show all
5:36 PM

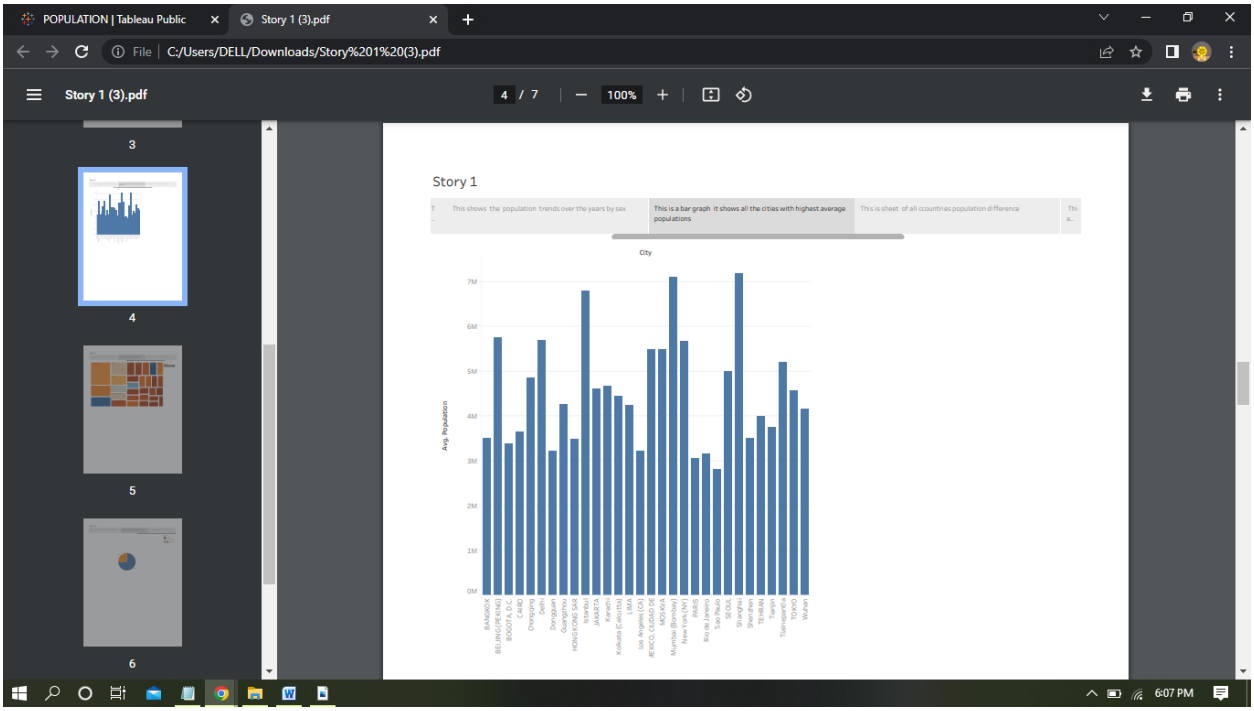

POPULATION | Tableau Public
Dashboard 3.pdf
File | C:/Users/DELL/Downloads/Dashboard%203.pdf
Dashboard 3.pdf
1 / 1
100%
1
Population by city year
d1
Country or Area
City Austria Brazil China Egypt India Indonesia Japan Pakistan Qatar Republic of ... United King
6th of Octo.. 154,093
Abaeteluba 163,802
Abbotabad 106,101
Aberdeen 212,12
Aberdeensh.. 226,87
Abiko 654,213
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
Aguas Lind.. 318,276
Ahmedabad 8,045,098
Ahmednagar 655,164
Aizawl 228,280
Aizuwakam.. 599,503
Ajmer 976,095
Akashi 1,459,302
Akeshu 561,822
Akhmim 101,509
Akishima 548,294
Akita 1,610,514
Akola 400,520
Al Orizah 100,482
Al-Khoor 502,766
Al-Rayyan 1,737,430
Al-Wakrah 141,222
Alagoinhas 246,366
Alandur 146,287
5:46 PM

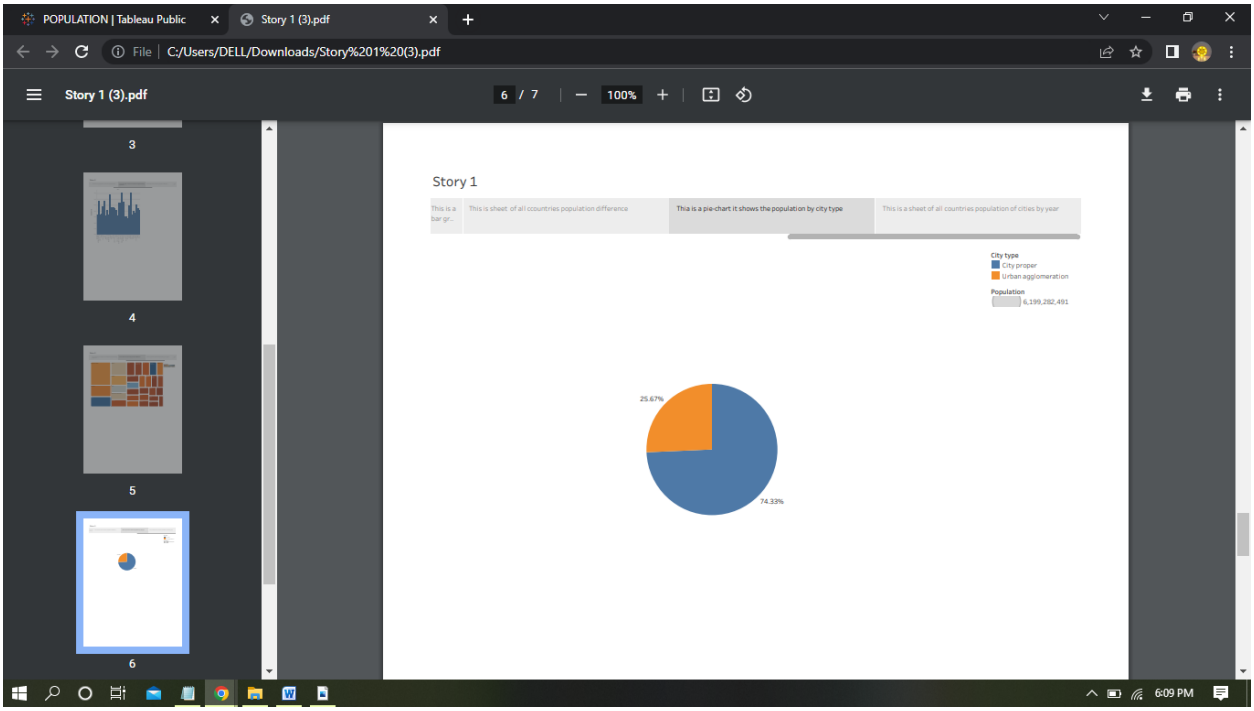
Story:

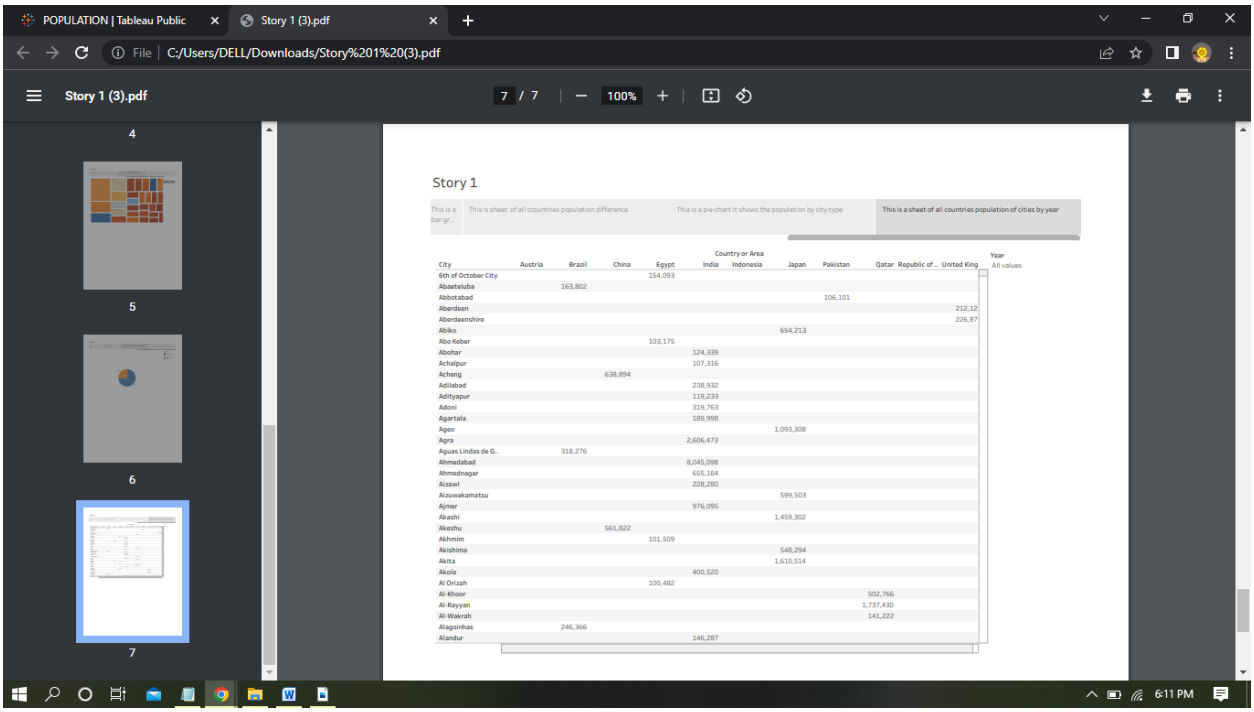

POPULATION | Tableau Public
Story 1 (2).pdf
File | C:/Users/DELL/Downloads/Story%201%20(2).pdf
Story 1 (2).pdf
1 / 7
100%
1
2
Story 1
This is a geographic map it shows all the countries according to the population record types
This is a graph it shows all the countries according to the population trends over the years
This shows the population trends over the years by sex
Record Type
Census - de facto - co..
Census - de jure - com..
Census - de jure - sam..
Estimate - de facto
Estimate - de jure
Record type not defin..
Sample survey - de fa..
Sample survey - de ju..
Story 1 (2).pdf
Show all
5:50 PM


POPULATION | Tableau Public
Story 1 (3).pdf
File | C:/Users/DELL/Downloads/Story%201%20(3).pdf
Story 1 (3).pdf
2 / 7
100%
Story 1
This is a geographic map it shows all the countries according to the population record types
This is a graph it shows all the countries according to the population trends over the years
This shows the population trends over the years by sex
This is a bar gr...
Population
Year
1
2
3
6:01 PM


POPULATION | Tableau Public
Story 1 (3).pdf
File | C:/Users/DELL/Downloads/Story%201%20(3).pdf
Story 1 (3).pdf
3 / 7
100%
Story 1
This is a graph it shows all the countries according to the population trends over the years
This shows the population trends over the years by sex
This is a bar graph it shows all the cities with highest average populations
Sex
Female
Male
Population
Year
1
2
3
6:05 PM


POPULATION | Tableau Public
Story 1 (3).pdf
File | C:/Users/DELL/Downloads/Story%201%20(3).pdf
Story 1 (3).pdf
4 / 7
100%
Story 1
This shows the population trends over the years by sex
This is a bar graph it shows all the cities with highest average populations
This is sheet of all countries population difference
City
Avg. Population
7M
6M
5M
4M
3M
2M
1M
0M
BANGKOK
BEIJING (CHINA)
BOGOTÁ, D.C.
CAIRO
Chongqing
Delhi
Dongguan
Guangzhou
HONG KONG SAR
Istanbul
JAKARTA
Kanpur
Kolkata (Calcutta)
LIMA
Los Angeles (CA)
MEXICO, D.F. (MEXICO)
MOSCVA
Mumbai (Bombay)
New York (NY)
PARIS
Rio de Janeiro
Sao Paulo
SEOUL
Shanghai
Shenzhen
Tianjin
Tianjin
Tianjin





Advantages & Disadvantages

Advantages:-

Population growth will lead to economic expansion since more people can produce more goods.

More money will be available in tax revenue to fund public services like environmental and health care programs.

The improved demographic structure of society and economies of scale.

Disadvantages:-

As the population increases there will be more chances for the exploitation of natural resources.

Low per capita income and low quality of life.

The number of unproductive consumers is increasing and unemployment

Applications

Population growth will lead to economic growth with more people able to produce more goods.

There are some applications associated with population growth , including, human evaluation studies, the population growth helped to study and observe the advancements in both anatomy and physiology.

These includes economic benefits such as expansion of tax bases and increased consumers spending at local businesses.

Conclusion

The current population of India is around 140 cores . According to certain reports, in next few years, there will be a solid growth of population in India. The population is the total number of human beings living in a city or a country. Development does not just involve the biological and physical aspects, but also the cognitive and social aspects associated with the development throughout life.

Appendix <!DOCTYPE html>

```
<html lang="en-US">
  <head>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width" />
    <title>My Test Page</title>
  </head>



<body>
  <h1>Tracing the growth of global community: A popuulation forecasting analysis</h1>


<p>
  Overview:-
```

The world's population is more than 3 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 increased 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. This dramatic growth has been driven largely by increasing numbers of people surviving to reproductive age, the gradual increase in human life span, increasing urbanization, and accelerating migration .Major changes infertility rate have accompanied this growth .These trends will have far –reaching implications for generations to come. Population counts are important for governments in order to collect taxes and allocated the proper amount of funding to various

infrastructure and social programs. Demography is the study of populations and their characteristics, and how these change over time and from place to place.

Purpose:-

A population projection 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 .

<h1>https://public.tableau.com/views/POPULATION_16806874946850/Dashboard1?:language=en-US&:display_count=n&:origin=viz_share_link</h1>

At Mozilla, we're a global community of

<ul>

<li>technologists</li>

<li>thinkers</li>

<li>builders</li>

</ul>

<noscript><a href='#'><img alt=' ' src='https://public.tableau.com/static/images/Ge/

Geographicmap_16758342504920/Sheet2/1_rss.png' style='border: none' /></a></noscript><object class='tableauViz' style='display:none;'><param name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param name='embed_code_version' value='3' /> <param name='site_root' value='' /><param name='name' value='Geographicmap_16758342504920/Sheet2' /><param name='tabs' value='no' /><param name='toolbar' value='yes' /><param name='static_image' value='https://public.tableau.com/static/images/Ge/Geographicmap_16758342504920/Sheet2/1.png' /> <param name='animate_transition' value='yes' /><param name='display_static_image' value='yes' /><param name='display_spinner' value='yes' /><param name='display_overlay' value='yes' /><param name='display_count' value='yes' /><param name='language' value='en-US' /></object>   <script type='text/javascript'>   var divElement = document.getElementById('viz1681127737824');   var vizElement = divElement.getElementsByTagName('object')[0];   vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidth*0.75)+'px';   var scriptElement = document.createElement('script');   scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js';   vizElement.parentNode.insertBefore(scriptElement, vizElement);   </script>

<noscript><a href='#'><img alt=' ' src='https://public.tableau.com/static/images/Re/RevenueAnalysis_16754805051580/Sheet1/1_rss.png' style='border: none' /></a></noscript><object class='tableauViz' style='display:none;'><param name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param name='embed_code_version' value='3' /> <param name='site_root' value=''

/><param name='name' value='RevenueAnalysis_16754805051580/Sheet1' /><param name='tabs' value='no' /><pa

</p>

<h2>https://public.tableau.com/views/POPULATION_16806874946850/Story1?:language=en-US&:display_count=n&:origin=viz_share_link</h2>

<h2>Conclusion</h2>

</body>

</html>