

PROJECT REPORT

Project Title: Tracing The Growth Of Global Community A Population
Forecasting Analysis

Team ID: NM2023TMID32187

Team Size: 5

Team Leader: R.L. Deepti

Team Members:

S. Dhanushiya

S. Aslinpreetha

S. Surthi

G. Akshaya

1. Introduction

1.1 Overview

Tracing the growth of the global community through population forecasting analysis is a fascinating project that involves analyzing demographic data using the powerful data visualization tool, Tableau. This project will provide insights into the future demographic trends of the world's population, allowing you to create accurate and insightful population forecasts that can inform policy decisions and drive meaningful change. Population forecasting is a complex process that involves analyzing current trends and patterns in population growth and projecting them into the future. To do this, you will use data sets that provide historical population data, such as city type, record type, source year etc. You will

then use Tableau to create interactive visualizations that can help you identify patterns and make predictions about future growth. Tableau is an ideal tool for this project because it allows you to create dynamic, interactive visualizations that can help you explore your data in a meaningful way. With Tableau, you can create charts, graphs, and maps that illustrate population trends over time, which can help you identify patterns and make predictions about future growth. Overall, this project will provide you with a deeper understanding of the global population trends and the factors that influence them. By using Tableau and statistical modelling techniques, you will be able to create accurate and insightful population forecasts that can inform policy decisions and drive meaningful change

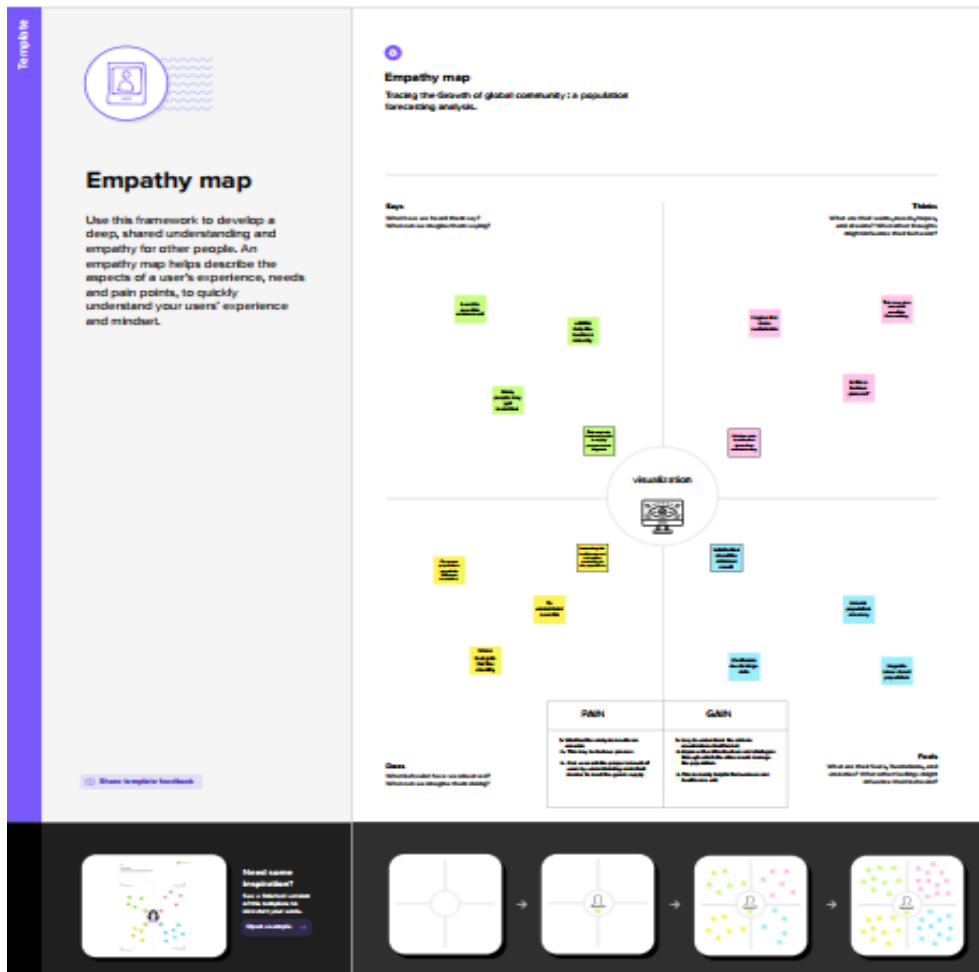
1.2 Purpose

This project aims to trace the growth of the global community through population forecasting analysis using Tableau. By analyzing historical population data and using statistical modelling techniques, this project aims to provide accurate and insightful population forecasts. Understanding the changing world population is crucial for addressing global issues such as healthcare, education, and environmental sustainability. The dynamic and interactive visualizations created through Tableau can help identify patterns and trends in population growth, migration, and age distribution. The insights gained from this project can be used by policymakers, researchers, and organizations to develop strategies for addressing population-related issues. This project can also serve as a foundation for future research and analysis in the field of population forecasting. Overall, the purpose of this project is to leverage Tableau's powerful data visualization capabilities to gain a deeper understanding of the complex factors that influence global population growth. Accurate and insightful population forecasts can inform policy decisions and drive meaningful change. Through this project, we

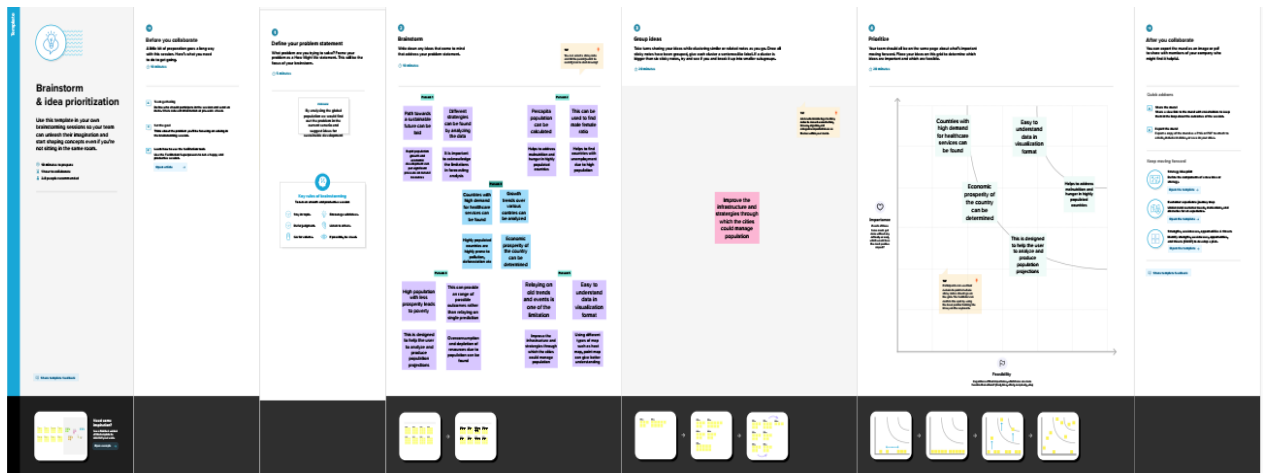
hope to contribute to a better understanding of the future demographic trends of the world's population and create solutions for addressing global challenges.

2. Problem Definition & Design Thinking

2.1 Empathy Map



2.2 Ideation & Brainstorming Map



3. Result

Profile:

Tracing the Growth of the Global Community
127.0.0.1:5000
Sign in

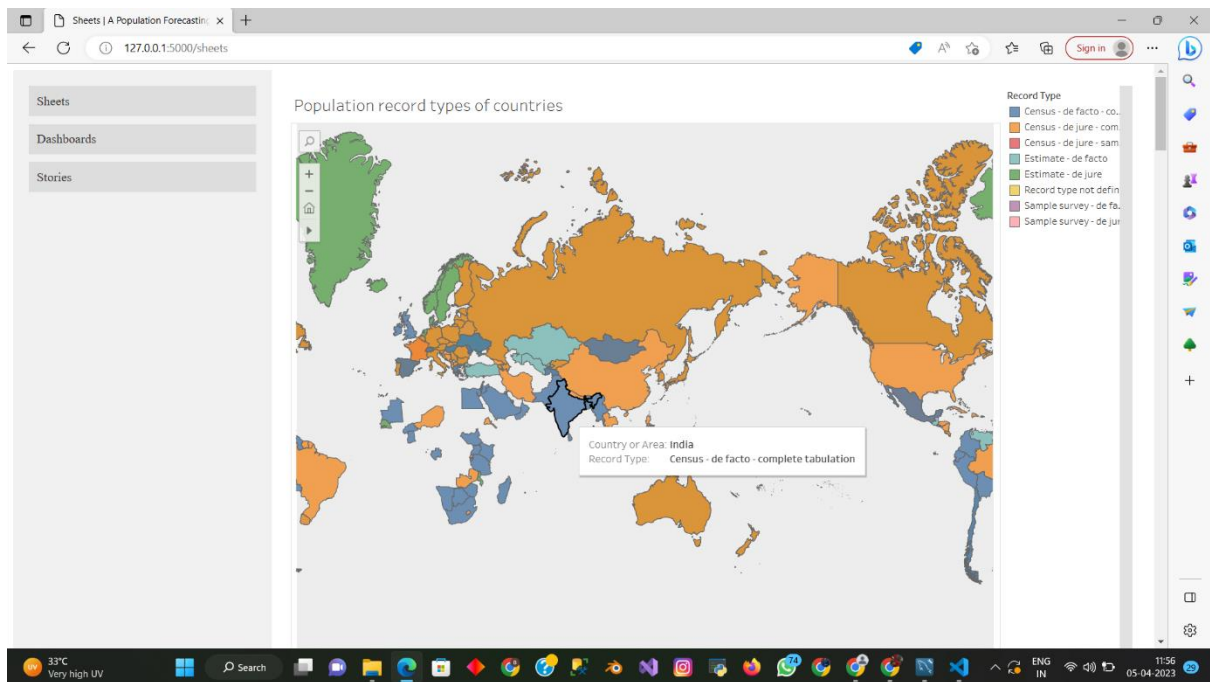
Sheets
Dashboards
Stories

Tracing the Growth of the Global Community: A Population Forecasting Analysis

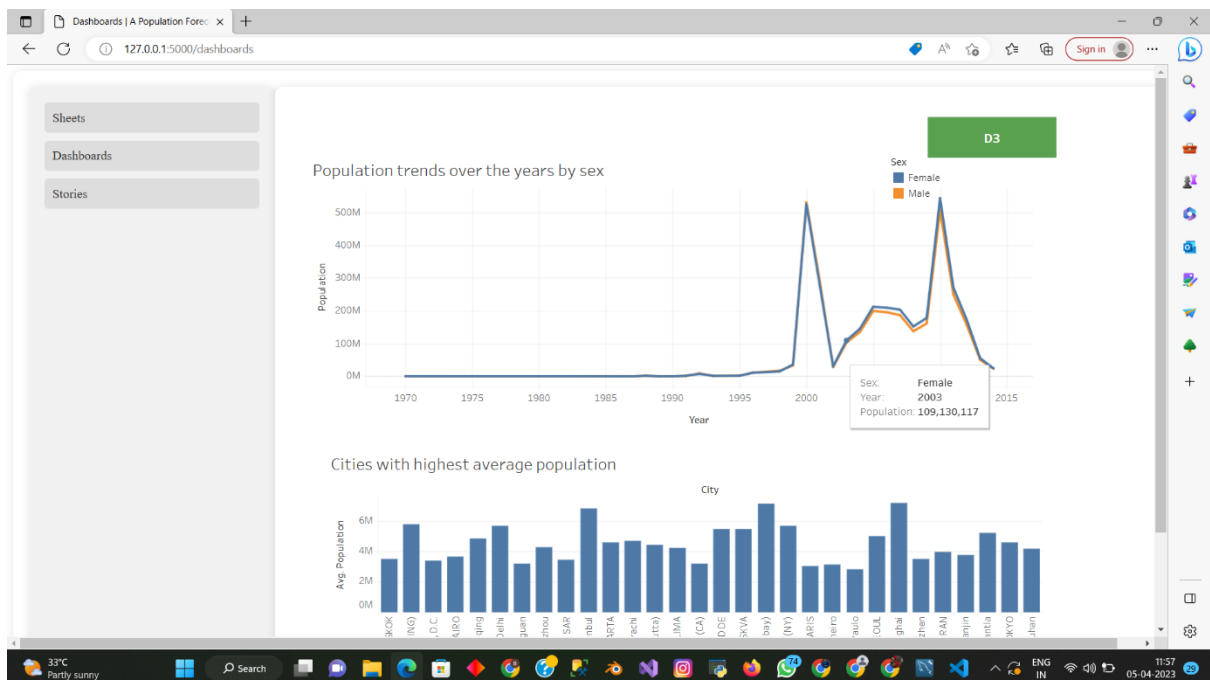
Team ID	NM2023TMID32187
Team Size	FIVE
Team Leader	R.L. DEEPTI
Team Members	S. DHANUSHIYA S. ASLINPREETHA S. SURTHI G. AKSHAYA
Project Description	Our team is conducting a population forecasting analysis of the global community, exploring the historical and projected growth of the world's population. We will review past trends, current projections, and future scenarios, as well as the key factors driving these changes. Our goal is to provide valuable insights for informed decision-making and positive community outcomes.

33°C Very high UV
Search
ENG IN
11:55 05.04.2023

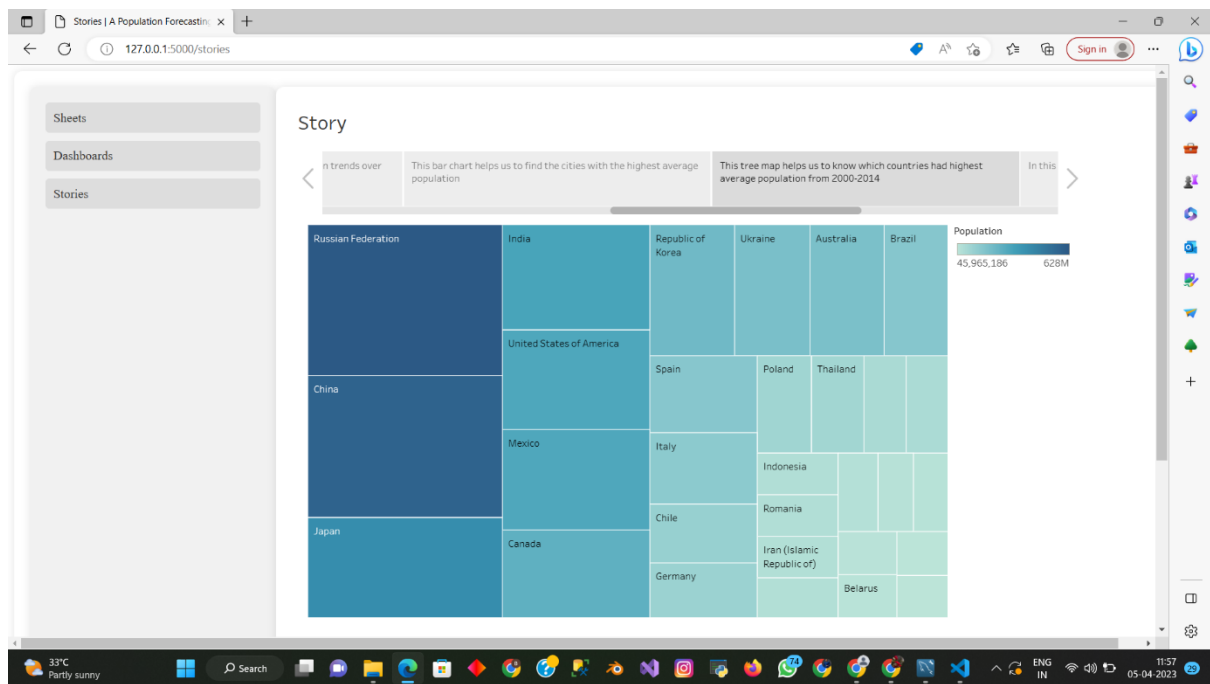
Sheets:



Dashboard:



Story:



4. Advantages and Disadvantages of the proposed solution

Advantage:

The use of Tableau for creating visualizations provides an interactive and engaging way of presenting data. This can help in making the analysis more accessible to a wider audience, including non-technical stakeholders who may have difficulty interpreting raw data. Additionally, the forecasting analysis can provide valuable insights for decision-makers who need to plan for future population growth.

Disadvantage:

One potential disadvantage of relying solely on visualizations is that they may not provide a complete understanding of the underlying data. While the visualizations may be easy to interpret, they can also be oversimplified, leaving out important nuances and details that are necessary for making informed decisions. Additionally, the accuracy of the population forecasts may be limited by the quality and quantity of the input data, which may not capture all relevant factors that influence population growth.

5. Applications

One potential application of the population forecasting analysis using Tableau could be for urban planning and infrastructure development. By forecasting future population growth, urban planners and policy makers can anticipate the demand for new housing, schools, hospitals, transportation infrastructure, and other essential services. This can help them make more informed decisions about where to invest resources and how to allocate funds to support sustainable growth.

For example, if the analysis predicts significant population growth in a particular city or region, urban planners may consider building new housing developments or expanding public transportation systems to accommodate the growing population. Conversely, if the analysis predicts a decline in population, planners may focus on repurposing or consolidating existing infrastructure and services to better serve the needs of a smaller population. Overall, the population forecasting analysis can help ensure that urban development is aligned with the needs and expectations of the local community.

6. Conclusion

In conclusion, the population forecasting analysis using Tableau has provided valuable insights into the growth of the global community. The use of visualizations has made it easier to understand and communicate complex data, and the forecasting analysis has enabled decision-makers to plan for the future and anticipate changes in population trends. However, it's important to recognize that these forecasts are based on assumptions and may not capture all relevant factors that influence population growth. Therefore, it's critical to continuously monitor and update the analysis with new data to ensure that urban planning and

policy decisions are based on the most accurate and up-to-date information available. Overall, the population forecasting analysis using Tableau provides a powerful tool for understanding the past, present, and future of our global community, and can help guide us towards a more sustainable and equitable future.

7. Future Scope

- **Incorporating additional data sources:** While the analysis has provided useful insights, it may be beneficial to incorporate additional data sources to enhance the accuracy of the population forecasts. For example, incorporating data on immigration rates, fertility rates, and mortality rates could provide a more comprehensive view of population growth.
- **Building predictive models:** Instead of relying solely on descriptive analytics to understand population trends, the project could explore building predictive models to forecast future population growth. This could involve using machine learning algorithms to analyze historical data and identify patterns and trends that can be used to make more accurate forecasts.
- **Exploring the social and economic implications of population growth:** While the analysis has focused on forecasting population growth, it may also be beneficial to explore the social and economic implications of population growth. For example, the project could examine how changes in population size and demographics impact employment, education, healthcare, and other social and economic factors, and use this information to inform policy decisions.

8. Appendix

A. Source code

1. Python code

app.py:

```
from flask import Flask, render_template
```

```
app = Flask(__name__)
```

```
# Define routes
```

```
@app.route('/')
```

```
def index():
```

```
    return render_template('index.html')
```

```
@app.route('/sheets')
```

```
def sheets():
```

```
    return render_template('sheets.html')
```

```
@app.route('/dashboards')
```

```
def dashboards():
```

```
    return render_template('dashboards.html')
```

```
@app.route('/stories')
```

```
def stories():
```

```
    return render_template('stories.html')
```

```
if __name__ == '__main__':
```

```
    app.run(debug=True)
```

2. Html codes

Index.html:

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <title>Tracing the Growth of the Global Community: A Population
Forecasting Analysis</title>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-
scale=1.0">

    <link rel="stylesheet" href="D:/Dibm/env/static/styles.css">

  <style>

    /* Main layout */

    body {

      font-family: Arial, sans-serif;

      margin: 0;

    }

    .container {

      display: flex;

      flex-direction: row;

      height: 100vh;

    }

    .sidebar {

      width: 20%;

      height: 100%;
```

```
        background-color: #f1f1f1;
        padding: 20px;
    }
```

```
.sidebar a {
    display: block;
    padding: 10px;
    margin-bottom: 10px;
    background-color: #ddd;
    color: #333;
    text-decoration: none;
    border-radius: 5px;
}
```

```
.sidebar a:hover {
    background-color: #ccc;
    color: #fff;
}
```

```
.content {
    flex: 1;
    height: 100%;
    padding: 20px;
}
```

```
/* Team details */
.team-container {
```

```
        max-width: 800px;
        margin: 0 auto;
    }
```

```
.team-header {
    font-size: 36px;
    font-weight: bold;
    text-align: center;
    margin-bottom: 20px;
}
```

```
.team-table {
    width: 100%;
    border-collapse: collapse;
    margin-bottom: 40px;
}
```

```
.team-table th, .team-table td {
    padding: 10px;
    border: 1px solid #ddd;
    text-align: center;
}
```

```
.team-table th {
    background-color: #f1f1f1;
}
```

```
.team-member {  
    font-size: 20px;  
    margin-bottom: 10px;  
}
```

```
.team-leader {  
    font-weight: bold;  
    color: #0072c6;  
}
```

```
/* Correction */  
.team-member:first-child {  
    color: #333;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="container">
```

```
<div class="sidebar">
```

```
<a href="/sheets">Sheets</a>
```

```
<a href="/dashboards">Dashboards</a>
```

```
<a href="/stories">Stories</a>
```

```
</div>
```

```
<div class="content">
```

```
<div class="team-container">
```

```
<h1 class="team-header">Tracing the Growth  
of the Global Community: A Population Forecasting Analysis</h1>
```

Team ID	Team Size	Team Leader	Team Members
<div class="team-member">NM2023TMID32187</div>	<div class="team-member">FIVE</div>	<div class="team-member">R.L. DEEPTI</div>	<div >g.="" >s.="" <="" <div="" akshaya<="" aslinpreetha<="" class="team-member" dhanushiya<="" div>="" surthi<="" td=""> </div>

Description	Project
	<div class="team-member">Our team is conducting a population forecasting analysis of the global community, exploring the historical and projected growth of the world's population. We will review past trends, current projections, and future scenarios, as well as the key factors driving these changes. Our goal is to provide valuable insights for informed decision-making and positive community outcomes.</div>

sheets.html:

```
<!DOCTYPE html>
<html>
  <html lang="en">
    <head>
      <title>Sheets | A Population Forecasting Analysis</title>
      <meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width,  
initial-scale=1.0">
```

```
<link rel="stylesheet" href="D:/Dibm/env/static/styles.css">
```

```
<style>
```

```
.sidebar {  
    width: 20%;  
    height: 100vh;  
    background-color: #f1f1f1;  
    padding: 20px;  
}
```

```
.sidebar a {  
    display: block;  
    padding: 10px;  
    margin-bottom: 10px;  
    background-color: #ddd;  
    color: #333;  
    text-decoration: none;  
}
```

```
.content {  
    flex: 1;  
    height: 100vh;  
    padding: 20px;  
}
```

```
.container {
```



```

display: flex;
flex-direction: row;
}
</style>
</head>
<body>
  <div class="container">
    <div class="sidebar">
      <a href="/sheets">Sheets</a>
      <a href="/dashboards">Dashboards</a>
      <a href="/stories">Stories</a>
    </div>

    <div class="content">
      <div class='tableauPlaceholder'
id='viz1680627653334' style='position: relative'><noscript><a href='#'><img
alt='Population record types of countries '
src='https://public.tableau.com/static/images/Books/Book1_16806276206720/Populationrecordtypesofcountries/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='Book1_16806276206720/Populationrecordtypesofcountries'
' /><param name='tabs' value='no' /><param name='toolbar' value='yes'
' /><param name='static_image'
value='https://public.tableau.com/static/images/Books/Book1_16806276206720/Populationrecordtypesofcountries/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'

```

```

/><param name='filter' value='publish=yes' /></object></div>
<script
type='text/javascript'>
    var divElement =
document.getElementById('viz1680627653334');
    var vizElement =
divElement.getElementsByTagName('object')[0];
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidt
h*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>

```

```

<div class='tableauPlaceholder'
id='viz1680627767908' style='position: relative'><noscript><a href='#'><img
alt='Population trends over the years '
src='https://public.tableau.com/static/images/Book2_16806277519330/Populationtrendsovertheyears/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='Book2_16806277519330/Populationtrendsovertheyears' /><param
name='tabs' value='no' /><param name='toolbar' value='yes' /><param
name='static_image'
value='https://public.tableau.com/static/images/Book2_16806277519330/Populationtrendsovertheyears/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'
/><param name='filter' value='publish=yes' /></object></div>
<script
type='text/javascript'>
    var divElement =
document.getElementById('viz1680627767908');
    var vizElement =
divElement.getElementsByTagName('object')[0];
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidt
h*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>

```

```

<div class='tableauPlaceholder'
id='viz1680627844325' style='position: relative'><noscript><a href='#'><img

```

```

alt='Population trends over the years by sex '
src='https://public.tableau.com/static/images/Bo&#47;Book3_16806278307480&#47;Populationtrendsovertheyearsbysex&#47;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='Book3_16806278307480&#47;Populationtrendsovertheyearsbysex'
/><param name='tabs' value='no' /><param name='toolbar' value='yes'
/><param name='static_image'
value='https://public.tableau.com/static/images/Bo
&#47;Book3_16806278307480&#47;Populationtrendsovertheyearsbysex&#47;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'
/><param name='filter' value='publish=yes' /></object></div>
<script
type='text/javascript'>
var divElement =
document.getElementById('viz1680627844325');
var vizElement =
divElement.getElementsByTagName('object')[0];
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidt
h*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>

```

```

<div class='tableauPlaceholder'
id='viz1680628467502' style='position: relative'><noscript><a href='#'><img
alt='Cities with highest average population '
src='https://public.tableau.com/static/images/s4&#47;s4_16806284510940&#47;Citieswithhighestaveragepopulation&#47;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='s4_16806284510940&#47;Citieswithhighestaveragepopulation'
/><param name='tabs' value='no' /><param name='toolbar' value='yes'
/><param name='static_image'

```

```

value='https://public.tableau.com/static/images/s4&
#47;s4_16806284510940&47;Citieswithhighestaveragepopulation&47;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'
/><param name='filter' value='publish=yes' /></object></div>      <script
type='text/javascript'>          var divElement =
document.getElementById('viz1680628467502');          var vizElement =
divElement.getElementsByTagName('object')[0];
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidt
h*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>

```

```

<div class='tableauPlaceholder'
id='viz1680628612837' style='position: relative'><noscript><a href='#'><img
alt='Countries with highest avg population from 2000 - 2014 '
src='https://public.tableau.com/static/images/s5&47;s5_16806285971290&47;Countrieswithhighestavgpopulationfrom2000-
2014&47;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='s5_16806285971290&47;Countrieswithhighestavgpopulationfrom2000
-2014' /><param name='tabs' value='no' /><param name='toolbar' value='yes'
/><param name='static_image'
value='https://public.tableau.com/static/images/s5&47;s5_16806285971290&47;Countrieswithhighestavgpopulationfrom2000-
2014&47;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'
/><param name='filter' value='publish=yes' /></object></div>      <script
type='text/javascript'>          var divElement =
document.getElementById('viz1680628612837');          var vizElement =
divElement.getElementsByTagName('object')[0];
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidt

```

```

h*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>

```

```

<div class='tableauPlaceholder'
id='viz1680628966287' style='position: relative'><noscript><a href='#'><img
alt='Population by city type '
src='https://public.tableau.com/static/images/s6/s6_16806289290520/Populationbycitytype/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='s6_16806289290520/Populationbycitytype' /><param name='tabs'
value='no' /><param name='toolbar' value='yes' /><param name='static_image'
value='https://public.tableau.com/static/images/s6/s6_16806289290520/Populationbycitytype/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' /><param name='filter'
value='publish=yes' /></object></div>
<script type='text/javascript'>
var divElement = document.getElementById('viz1680628966287');
var vizElement = divElement.getElementsByTagName('object')[0];
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidt
h*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>

```

```

<div class='tableauPlaceholder'
id='viz1680629090687' style='position: relative'><noscript><a href='#'><img
alt='Population of cities by year '
src='https://public.tableau.com/static/images/s7/s7_16806290680330/Populationofcitiesbyyear/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='s7_16806290680330&#47;Populationofcitiesbyyear' /><param
name='tabs' value='no' /><param name='toolbar' value='yes' /><param
name='static_image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;s7&
#47;s7_16806290680330&#47;Populationofcitiesbyyear&#47;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' /><param name='filter'
value='publish=yes' /></object></div>          <script type='text/javascript'>
var divElement = document.getElementById('viz1680629090687');
var vizElement = divElement.getElementsByTagName('object')[0];
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidt
h*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>

</div>

</div>

</body>

</html>

```

Dashboards.html:

```

<!DOCTYPE html>

<html>

<head>

    <title>Dashboards | A Population Forecasting Analysis</title>

    <meta name="viewport" content="width=device-width, initial-
scale=1.0">

    <link rel="stylesheet" type="text/css" href="{ { url_for('static',
filename='styles.css') } }">

    <style>

```

```
.container {
    display: flex;
    flex-direction: row;
    height: 100vh;
}
.sidebar {
    width: 20%;
    background-color: #f1f1f1;
    padding: 20px;
}
.sidebar a {
    display: block;
    padding: 10px;
    margin-bottom: 10px;
    background-color: #ddd;
    color: #333;
    text-decoration: none;
}
.content {
    width: 80%;
    padding: 20px;
}
</style>
</head>
<body>
    <div class="container">
        <div class="sidebar">
```

</div>

<div class="content">

<div class='tableauPlaceholder' id='viz1680635490281'
style='position: relative'><noscript><img alt='Dashboard 1 '
src='https://public.tableau.com/static/images/St/Story11_16806354168640/Dashboard1/1_rss.png' style='border:
none' /></noscript><object class='tableauViz'
style='display:none;'><param name='host_url'
value='https://public.tableau.com/' /> <param
name='embed_code_version' value='3' /> <param name='site_root' value=''
/><param name='name' value='Story11_16806354168640/Dashboard1'
/><param name='tabs' value='no' /><param name='toolbar' value='yes'
/><param name='static_image'
value='https://public.tableau.com/static/images/St/Story11_16806354168640/Dashboard1/1.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' /><param name='filter'
value='publish=yes' /></object></div> <script type='text/javascript'>
var divElement = document.getElementById('viz1680635490281');
var vizElement = divElement.getElementsByTagName('object')[0];
if (divElement.offsetWidth > 800) {
vizElement.style.width='1000px';vizElement.style.height='827px';} else if (
divElement.offsetWidth > 500) {
vizElement.style.width='1000px';vizElement.style.height='827px';} else {
vizElement.style.width='100%';vizElement.style.height='777px';}
var scriptElement = document.createElement('script');
scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);
</script>

</div>

</div>


```
</body>
```

```
</html>
```

Stories.html:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>Stories | A Population Forecasting Analysis</title>
```

```
    <meta name="viewport" content="width=device-width, initial-  
scale=1.0">
```

```
    <link rel="stylesheet" type="text/css" href="{{ url_for('static',  
filename='styles.css') }}">
```

```
    <style>
```

```
        .container {
```

```
            display: flex;
```

```
            flex-direction: row;
```

```
            height: 100vh;
```

```
        }
```

```
        .sidebar {
```

```
            width: 20%;
```

```
            background-color: #f1f1f1;
```

```
            padding: 20px;
```

```
        }
```

```
        .sidebar a {
```

```
            display: block;
```

```
            padding: 10px;
```

```
            margin-bottom: 10px;
```

```
            background-color: #ddd;
```

```

        color: #333;
        text-decoration: none;
    }
    .content {
        width: 80%;
        padding: 20px;
    }
</style>
</head>
<body>
    <div class="container">
        <div class="sidebar">
            <a href="/sheets">Sheets</a>
            <a href="/dashboards">Dashboards</a>
            <a href="/stories">Stories</a>
        </div>
        <div class="content">
            <div class='tableauPlaceholder' id='viz1680629622732'
style='position: relative'><noscript><a href='#'><img alt='Story '
src='https://public.tableau.com/static/images/St&#4
7;Story_16806295983350&#47;Story&#47;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='Story_16806295983350&#47;Story' /><param
name='tabs' value='no' /><param name='toolbar' value='yes' /><param
name='static_image'
value='https://public.tableau.com/static/images/St&
#47;Story_16806295983350&#47;Story&#47;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' /><param name='filter'
value='publish=yes' /></object></div>          <script type='text/javascript'>
var divElement = document.getElementById('viz1680629622732');
var vizElement = divElement.getElementsByTagName('object')[0];
vizElement.style.width='1016px';vizElement.style.height='991px';
var scriptElement = document.createElement('script');
scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);
</script>

</div>

</div>

</body>

</html>

```

3. CSS code

Styles.css:

```

<!DOCTYPE html>

<html lang="en">

<head>

    <title>My Tableau Website</title>

    <meta charset="UTF-8">

    <style>

        body {

            background-color: #f0f0f0;

            font-family: Arial, sans-serif;

        }

        h1 {

```

```
    color: #333;  
    text-align: center;  
    margin-top: 50px;  
    margin-bottom: 30px;  
}
```

```
.container {  
    width: 100%;  
    max-width: 100%;  
    margin: 0 auto;  
    padding: 20px;  
    background-color: #fff;  
    box-shadow: 0 0 10px rgba(0,0,0,.1);  
    border-radius: 10px;  
    text-align: justify;  
}
```

```
.sidebar {  
    float: left;  
    width: 20%;  
    height: 100vh;  
    background-color: red;  
    padding: 20px;  
    border-radius: 10px;  
    box-shadow: 0 0 10px rgba(0,0,0,.1);  
}
```

```
.sidebar a {  
    display: block;  
    padding: 10px;  
    margin-bottom: 10px;  
    background-color: #ddd;  
    color: #333;  
    text-decoration: none;  
    border-radius: 5px;  
    transition: background-color .3s;  
}
```

```
.sidebar a:hover {  
    background-color: #ccc;  
}
```

```
.content {  
    float: left;  
    width: 80%;  
    height: 100vh;  
    padding: 20px;  
    border-radius: 10px;  
    box-shadow: 0 0 10px rgba(0,0,0,.1);  
    background-color: #fff;  
}
```

```
.clearfix::after {  
    content: "";
```

```
        clear: both;
        display: table;
    }
```

```
.story {
    margin-bottom: 30px;
}
```

```
.story h3 {
    color: #555;
    margin-top: 0;
}
```

```
.story p {
    margin: 0;
    line-height: 1.5;
}
```

```
.btn {
    display: inline-block;
    padding: 10px 20px;
    background-color: #4285f4;
    color: #fff;
    text-decoration: none;
    border-radius: 5px;
    transition: background-color .3s;
}
```

```
        .btn:hover {  
            background-color: #3b79d6;  
        }  
</style>
```

```
</head>
```

```
<body>
```

```
    <div class="sidebar">  
        <a href="/sheets">Sheets</a>  
        <a href="/dashboards">Dashboards</a>  
        <a href="/stories">Stories</a>  
    </div>
```

```
    <div class="content">  
        <h1>My Tableau Website</h1>
```

```
        <div class="container">  
            { % block content % } { % endblock % }  
        </div>
```

```
    <div class="clearfix"></div>
```

```
</div>
```

```
</body>
```

```
</html>
```