

# 1.INTRODUCTION:

## *1.1 Overview:*

Population projections serve various factors at subnational, national, and international levels as a quantitative basis for political and economic decision-making. Usually, the users are not experts in statistics or forecasting and therefore lack the methodological and demographic background to completely understand methods and limitations behind the projections they use to inform further analysis. Our contribution primarily targets that readership. Therefore, we give a brief overview of different approaches to population projection and discuss their respective advantages and disadvantages, alongside practical problems in population data and forecasting. Fundamental differences between deterministic and stochastic approaches are discussed, with special emphasis on the advantages of stochastic approaches.

## *1.2 Purpose:*

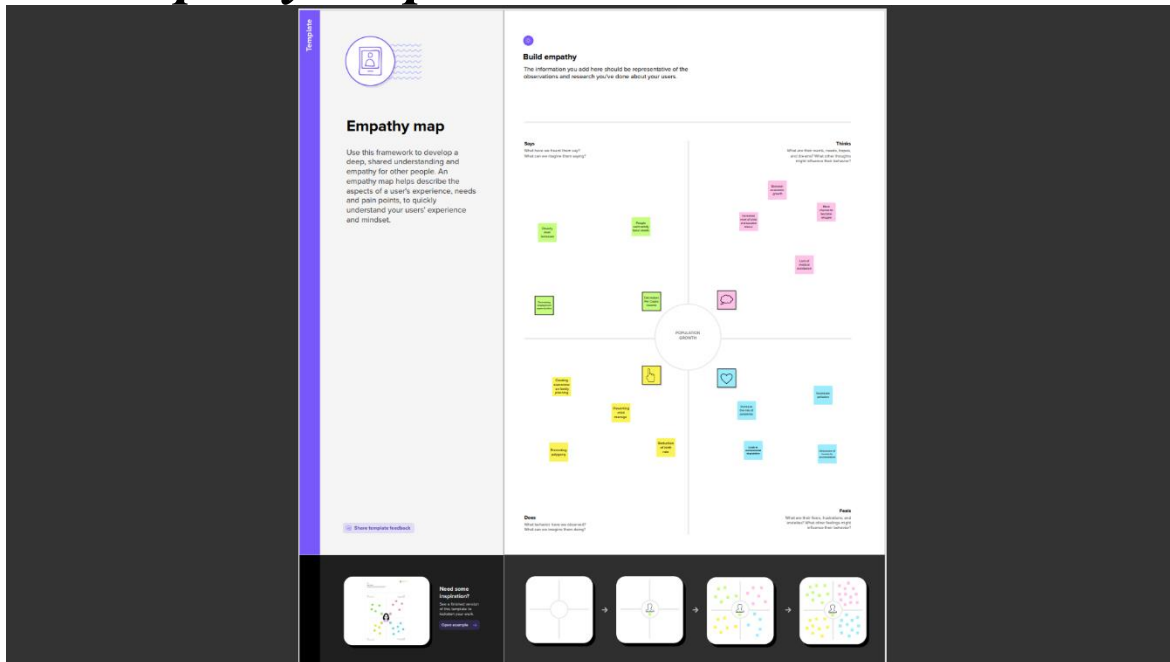
Population projection is important it's important since it helps people that is

government, researchers make decisions about the future. Here are some possible ways that people use the result of population projection

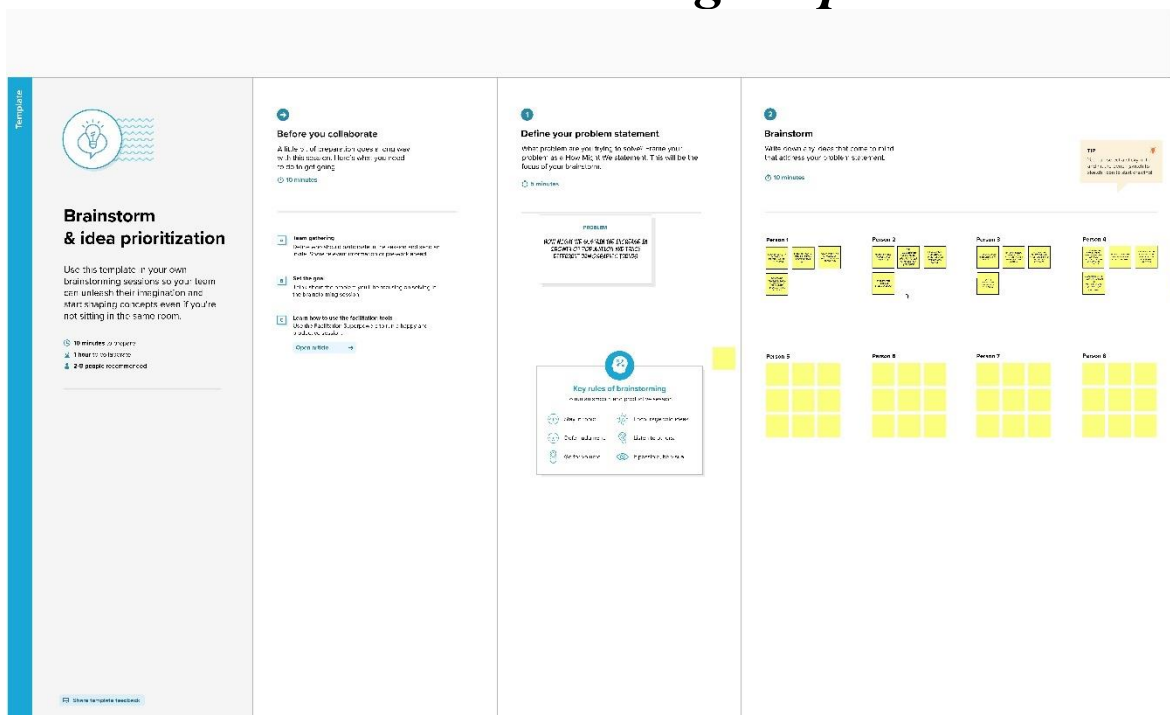
- Estimate the basic need for human such as demand for food,water, power,transportations.
- Plan constructions such as housing,highways etc.
- Estimate the labor forces in various places.
- Estimate the potential consumptions in various regions.
- Population projection is crucial since it helps government researchers and all other state holders to make decision about future.
- The result of population projections might be helpful to estimate the need of resources,availability of labour forces in various regions,potential consumption etc.

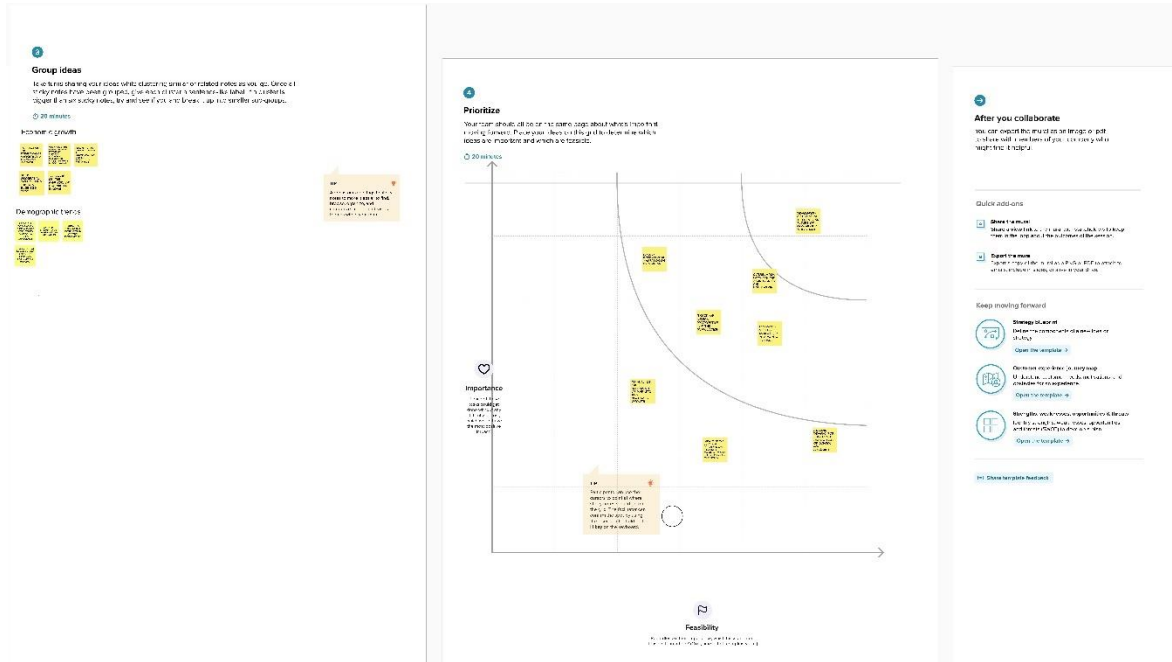
## ***PROBLEM DEFINITION & DESIGN THINKING:***

### 2.1 Empathy Map:



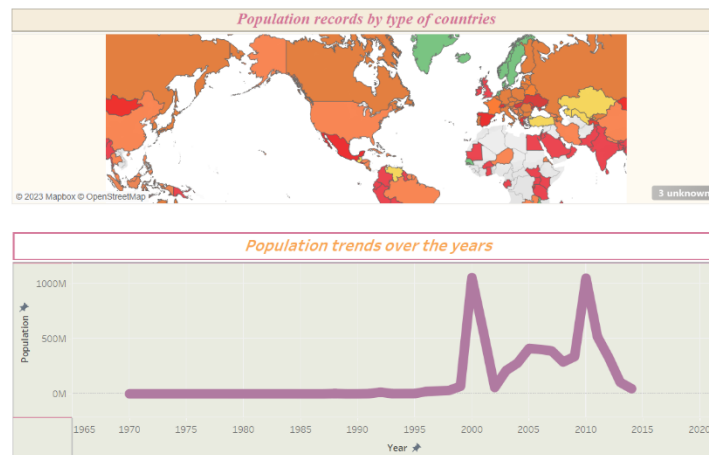
## 2.2 Ideation & Brainstorming Map:





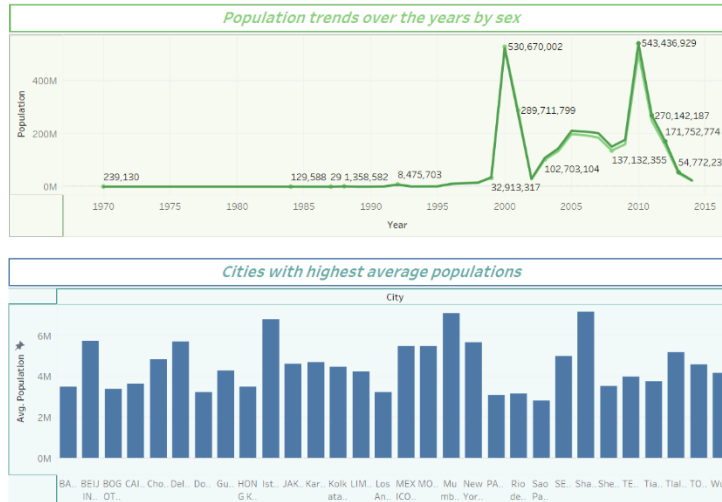
## RESULT:

## ➤ DASHBOARD:



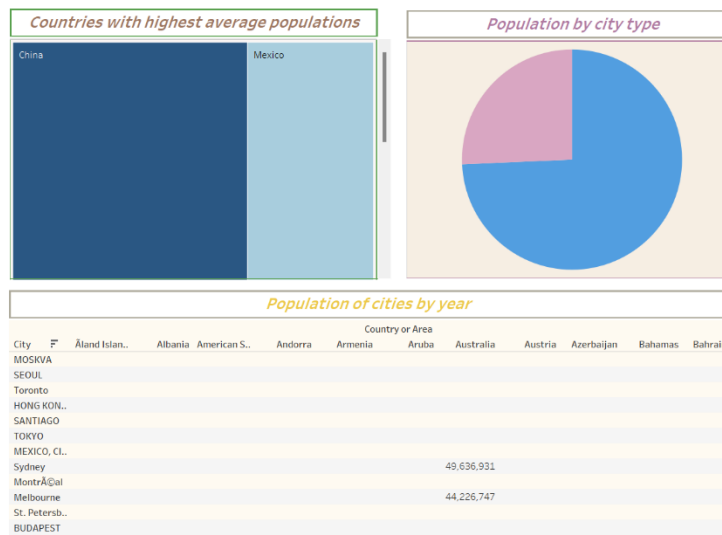
D2

# Project Report Template



D3

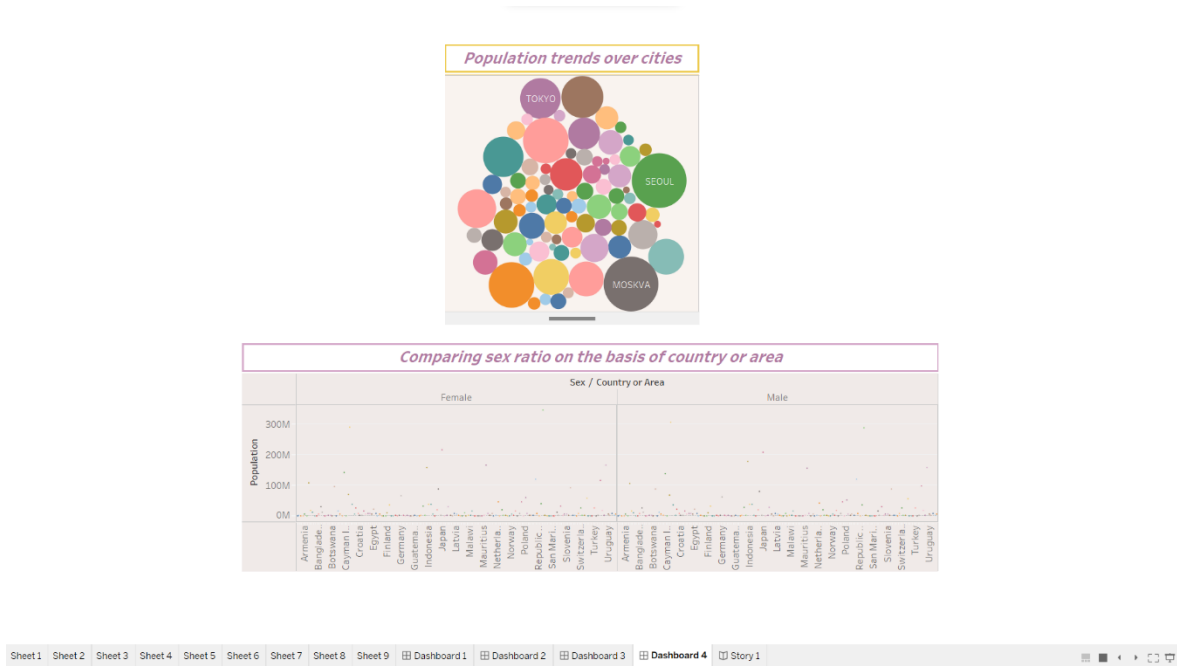
Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6 Sheet 7 Sheet 8 Sheet 9 Dashboard 1 Dashboard 2 Dashboard 3 Dashboard 4 Story 1



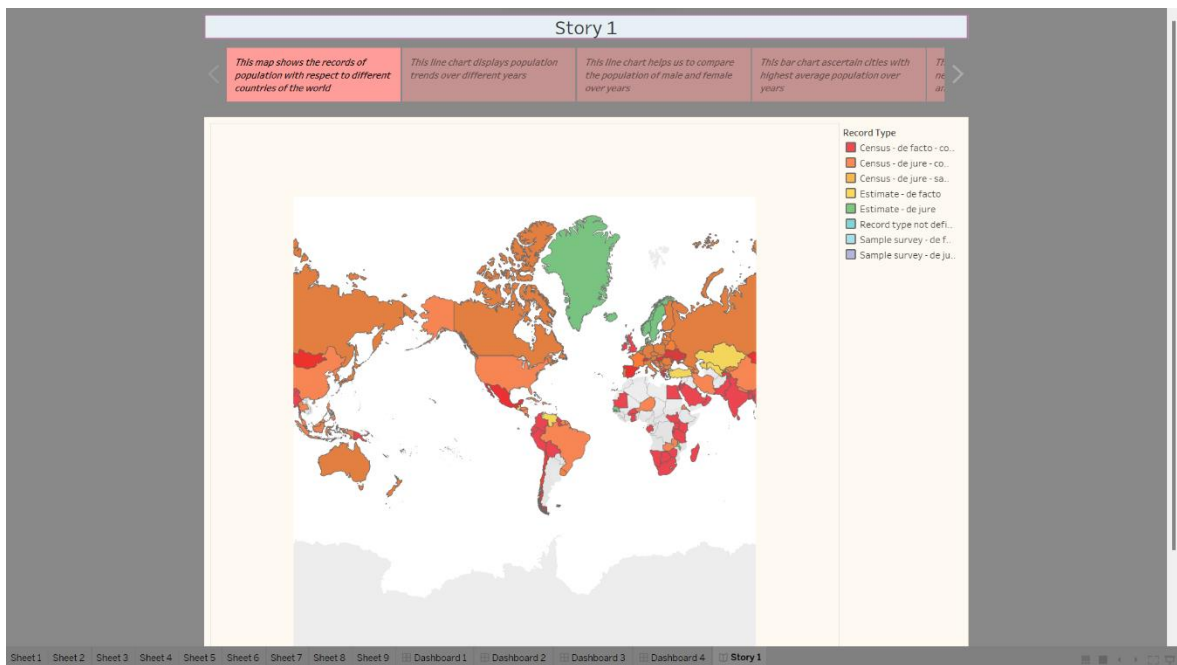
D4

Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6 Sheet 7 Sheet 8 Sheet 9 Dashboard 1 Dashboard 2 Dashboard 3 Dashboard 4 Story 1

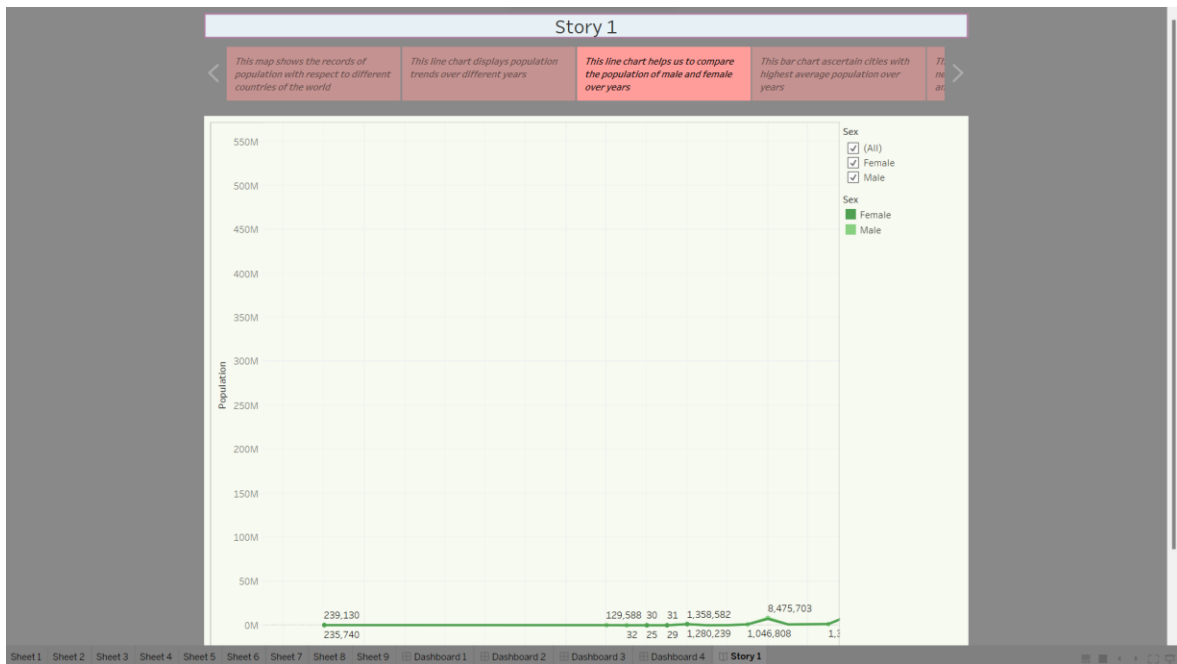
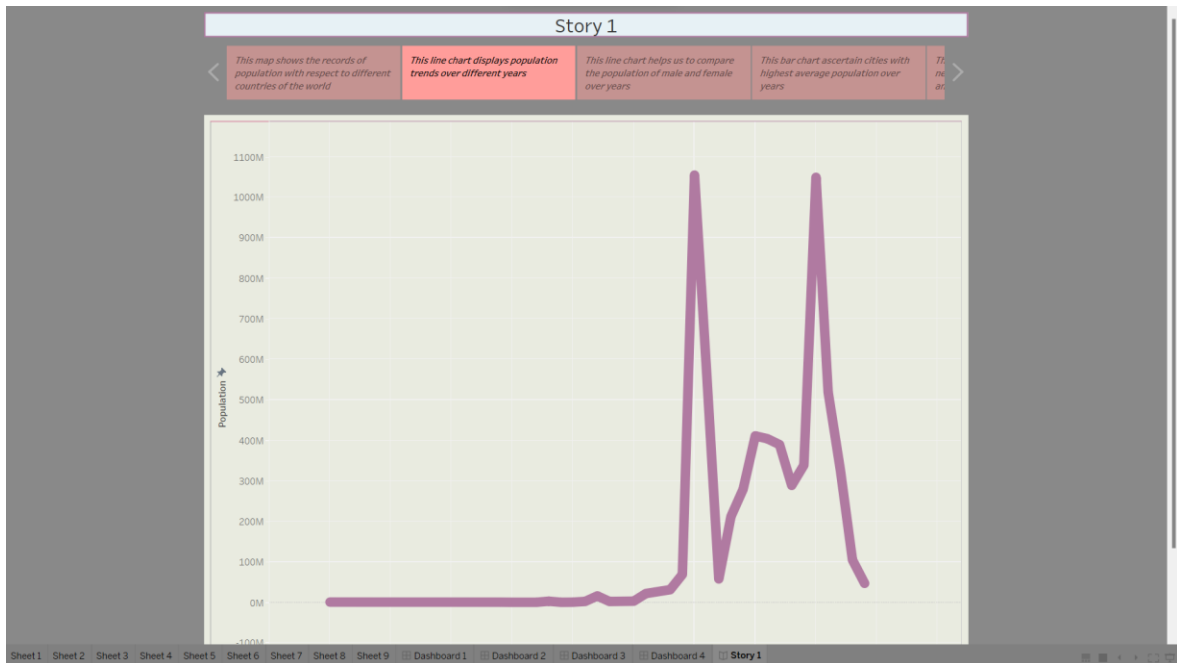
# Project Report Template



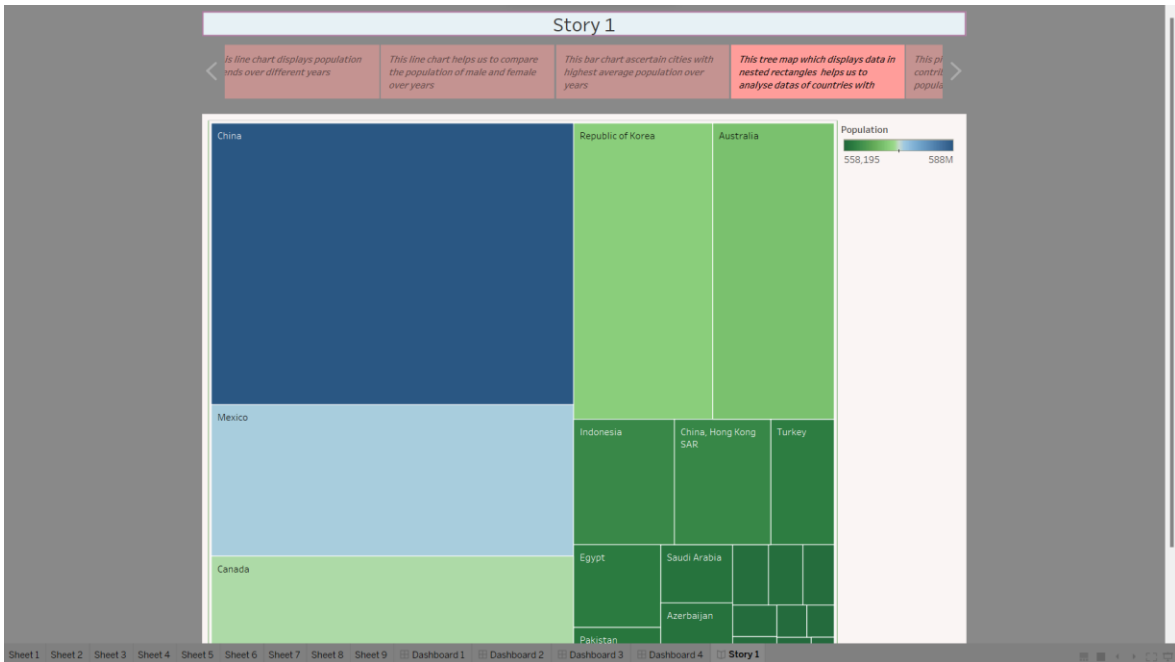
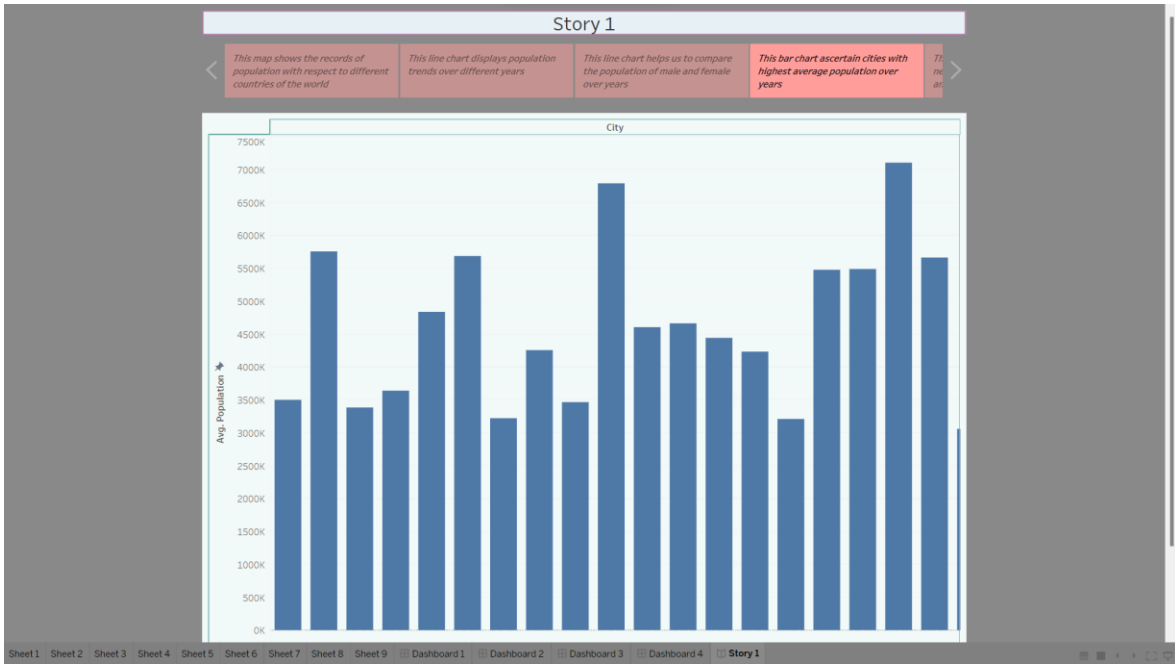
## ➤ **STORY:**



# Project Report Template

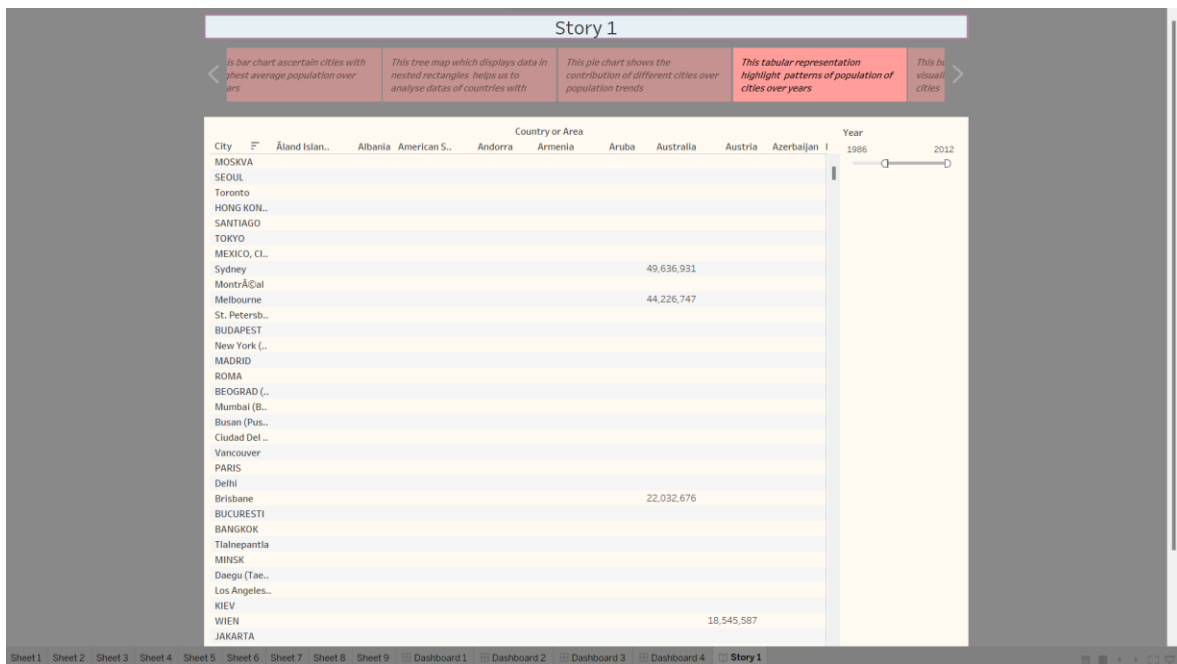
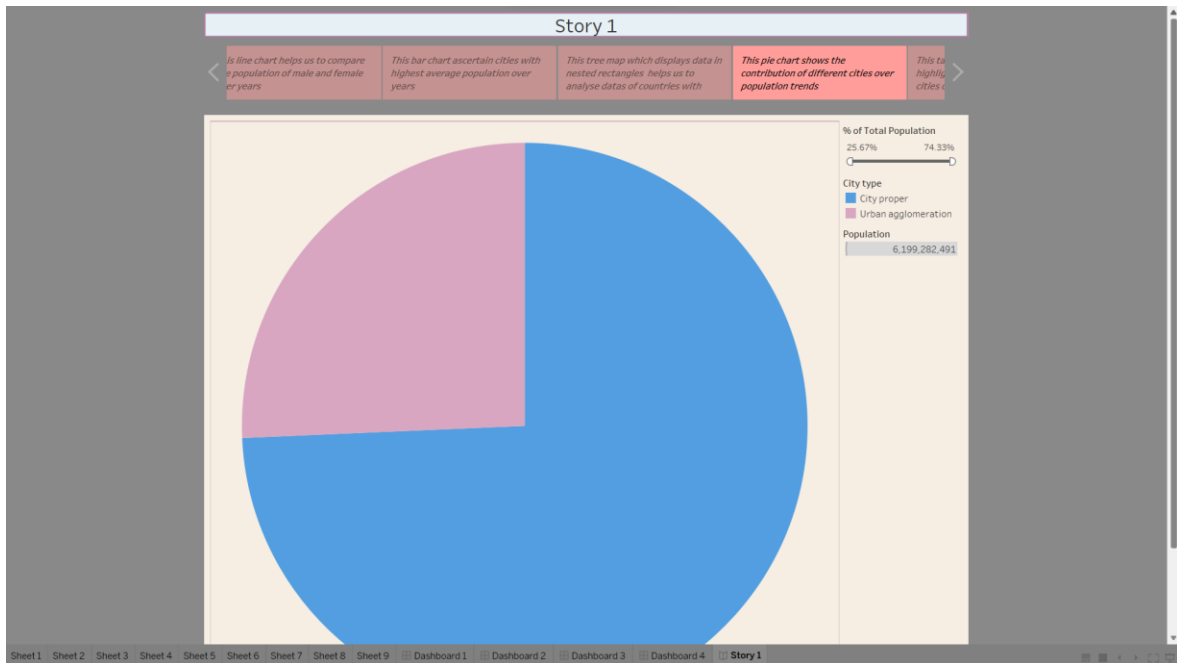


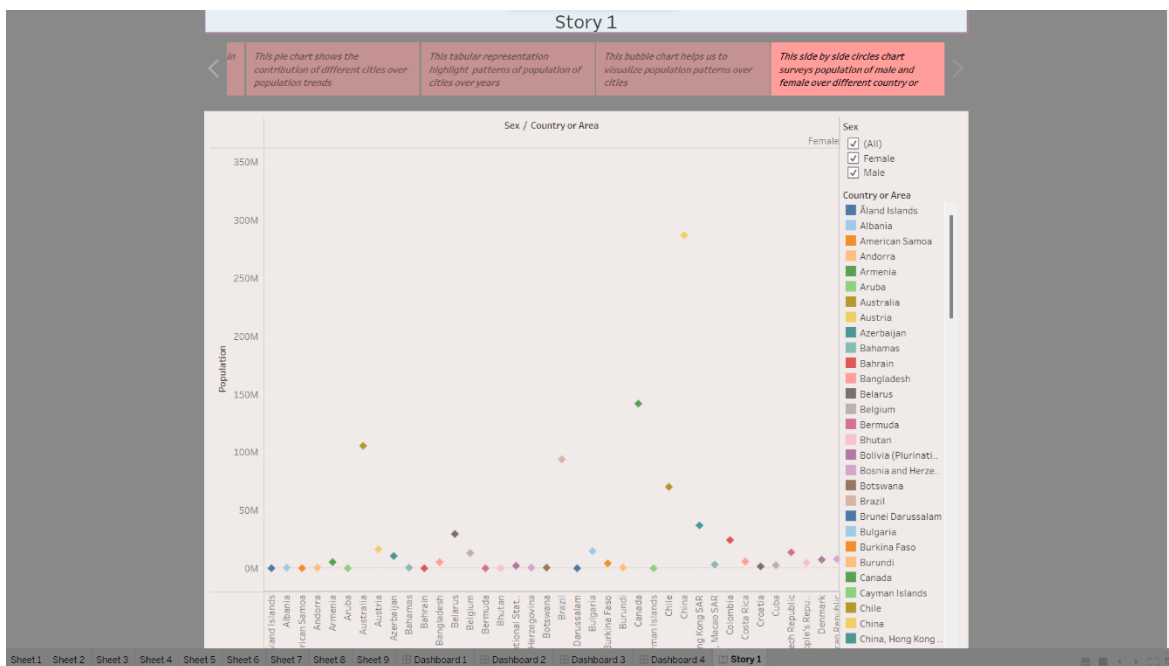
# Project Report Template

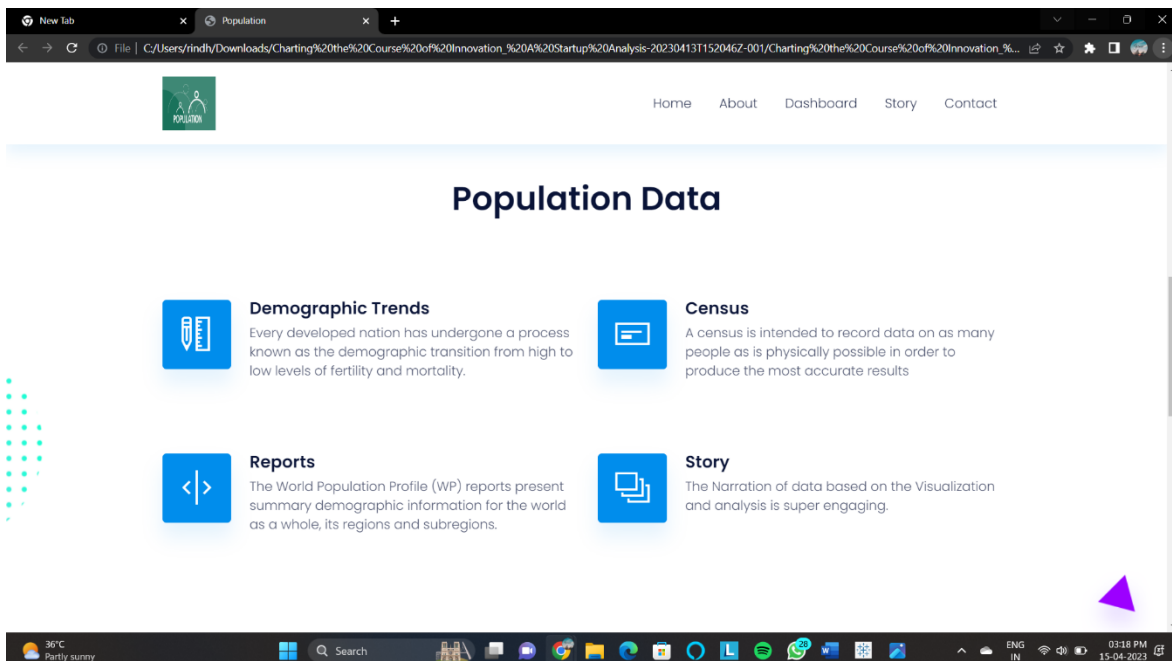
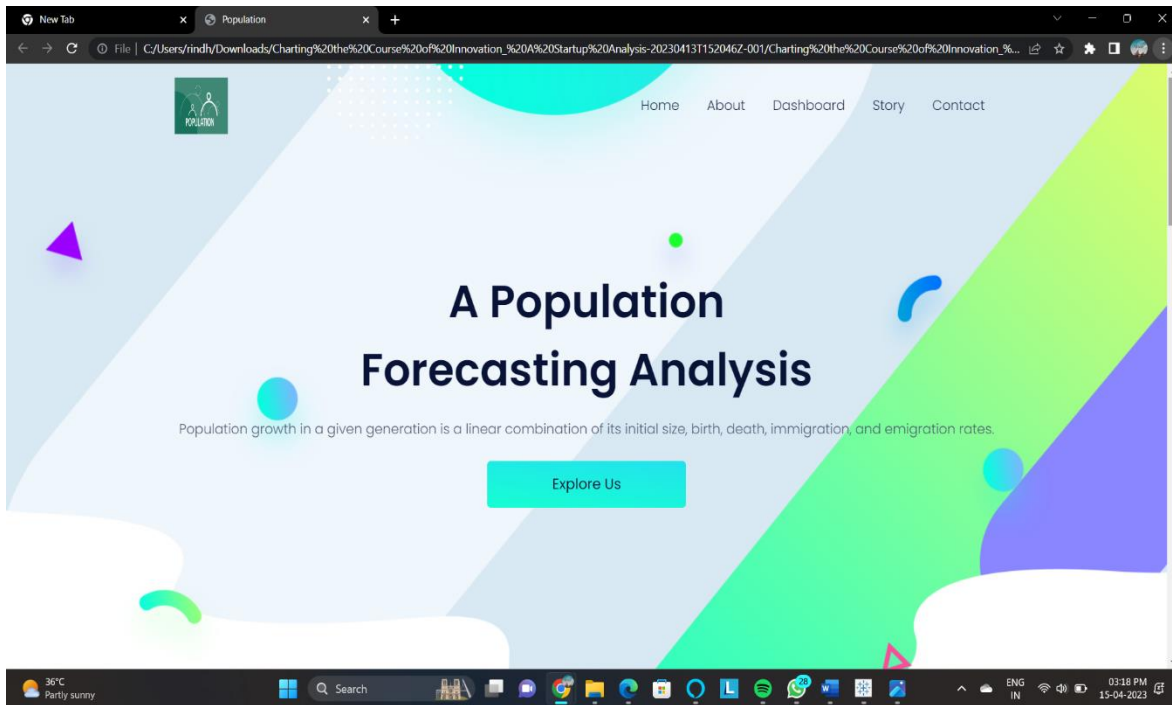


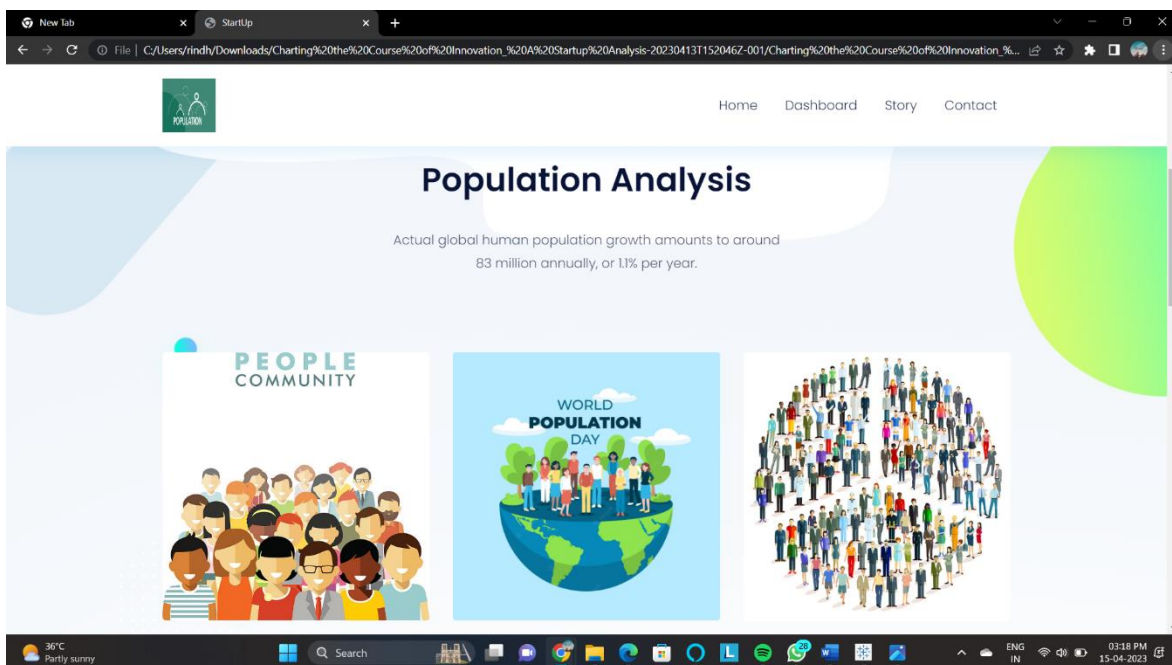
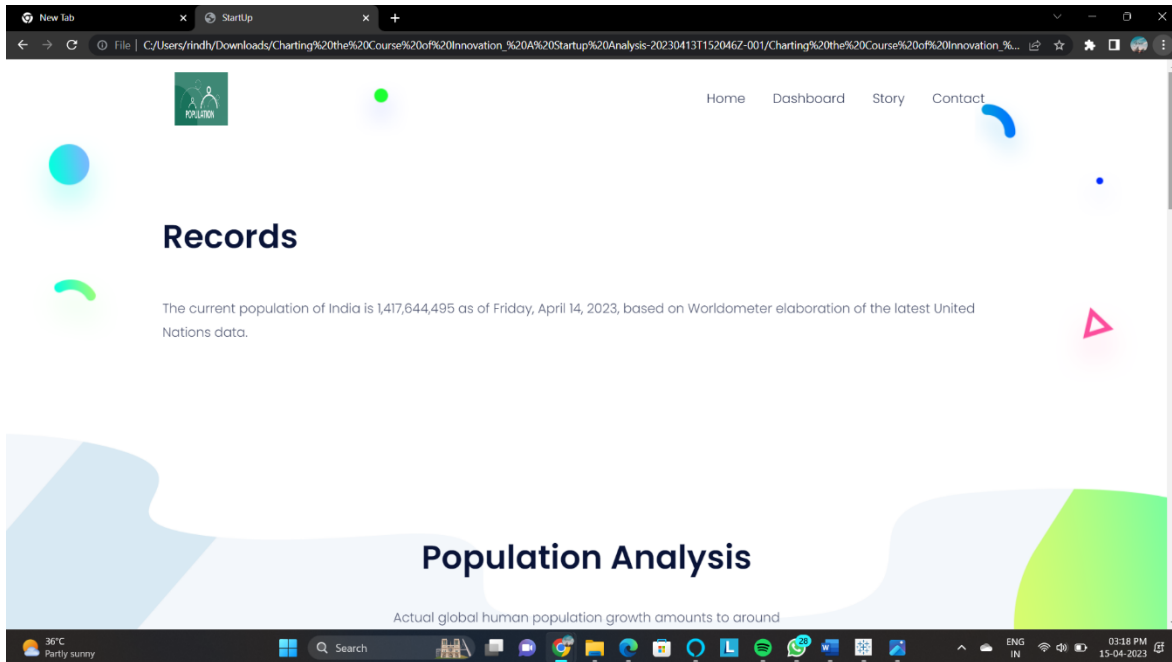


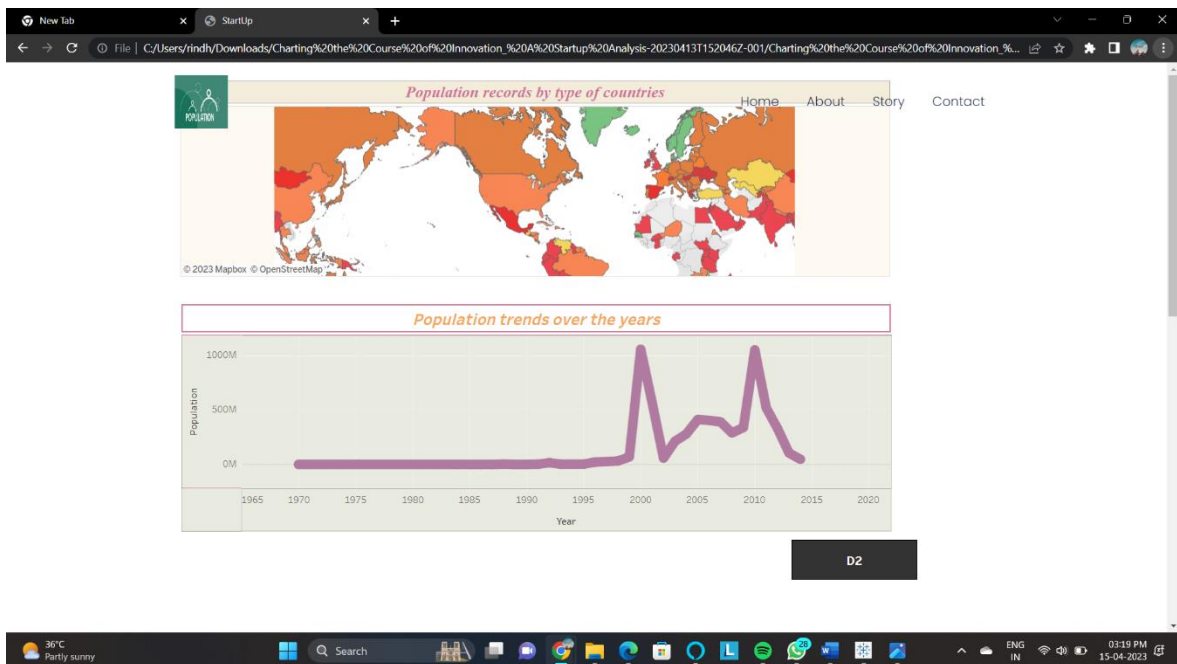
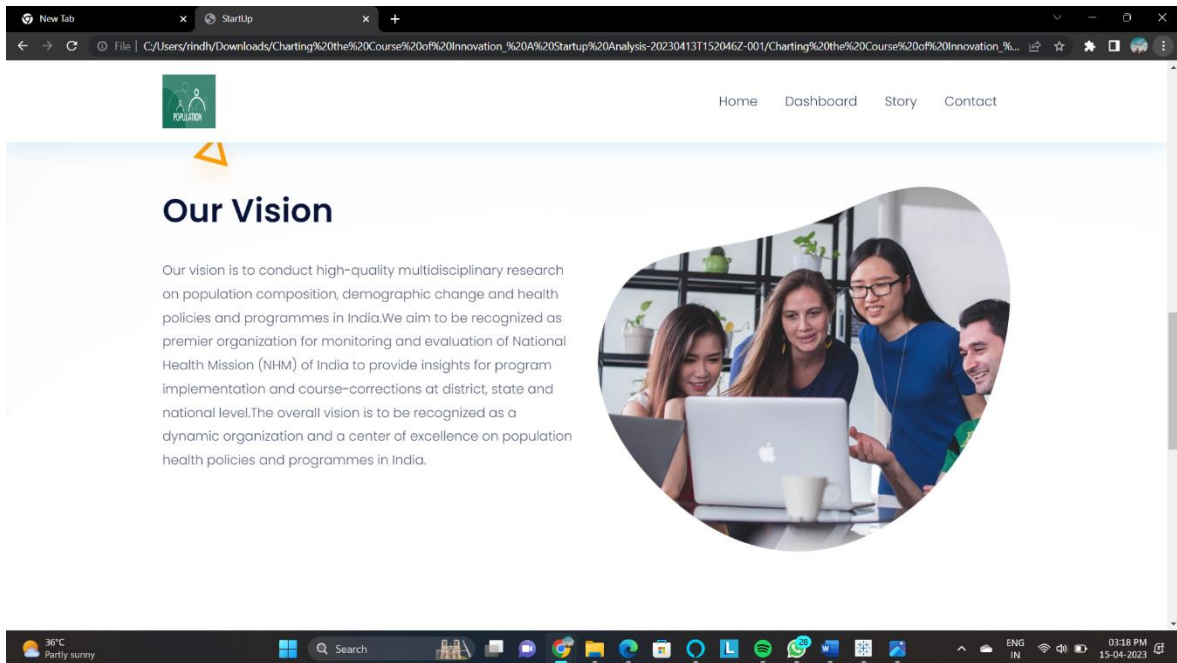
# Project Report Template

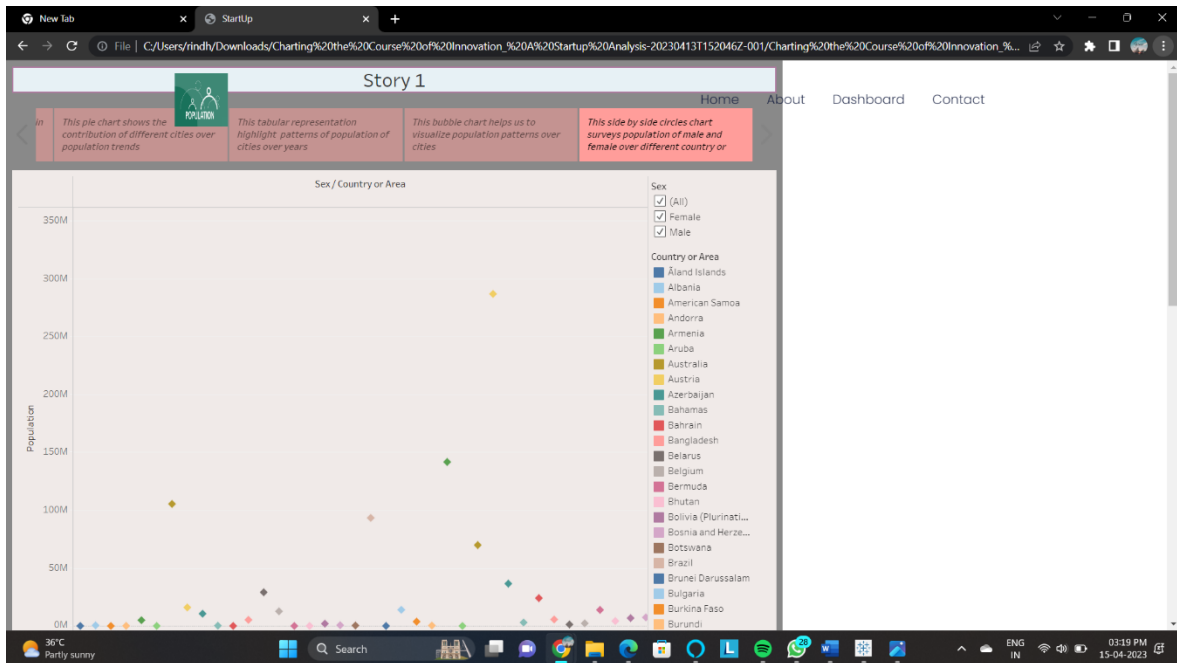
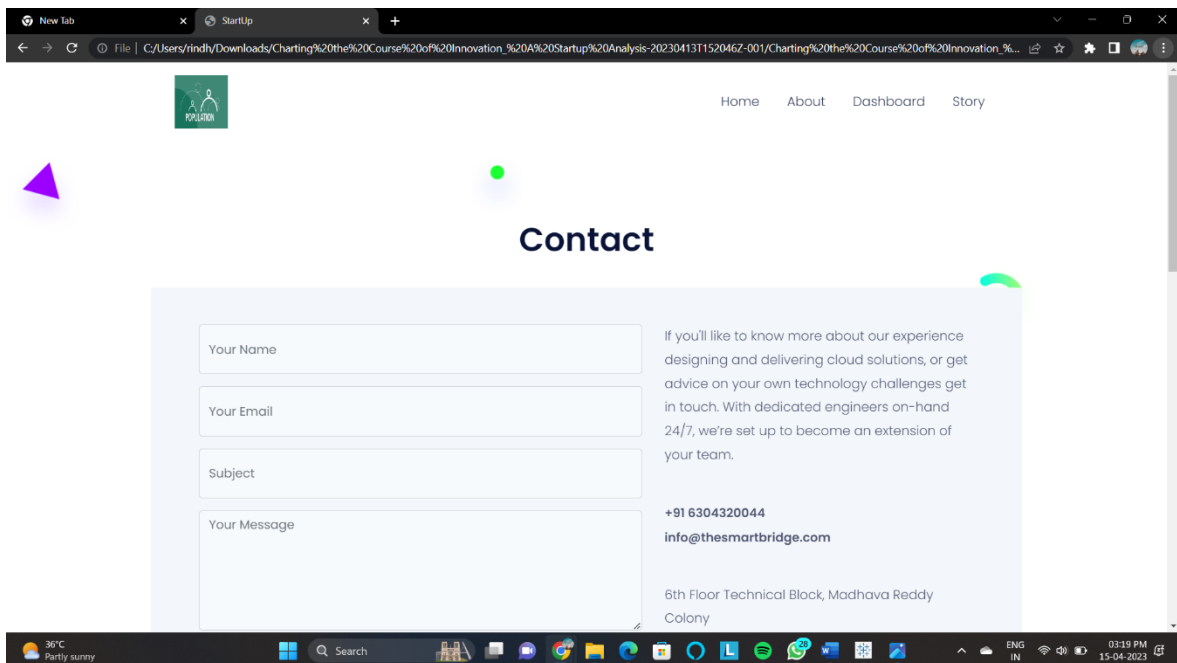




➤ *WEB PAGE:*





The screenshot shows a web application interface for a contact form. The interface includes a navigation bar with links for Home, About, Dashboard, and Story. Below the navigation bar, there is a large heading "Contact" with a green dot and a green arc. The contact form consists of four input fields: "Your Name", "Your Email", "Subject", and "Your Message". To the right of the form, there is a text block providing contact information:

If you'll like to know more about our experience designing and delivering cloud solutions, or get advice on your own technology challenges get in touch. With dedicated engineers on-hand 24/7, we're set up to become an extension of your team.

**+91 6304320044**  
**info@thesmartbridge.com**

6th Floor Technical Block, Madhava Reddy Colony

## **Advantages & Disadvantages:**

### **➤ Advantages:**

- Helps us to analyse the drastic change on unemployment due to population explosion.
- Helps us to determine how the global population is distributed.
- Estimate the potential consumption in various regions.

### **➤ Disadvantages:**

- Increasing population leads to decreasing percapita income
- Increases crowding and competition in space.

## **Applications:**

- We can use these population census to find best spots for investment.
- We can provide critical information for development planning using population data.
- These data sets can be used for the expansion of markets and economic growth.

## **Conclusion:**

As per the above dataset, the global population is expected to grow to around 8.5 billion in 2030.

## **Future Scope:**

- To focus on the analysis of fiscal trends and implication related to labour force, health and care services.
- To determine today's investments that account for demographic reality of tomorrow.



- To magnify the environmental impacts of harmful economic processes caused by the burst in population.

## Appendix:

### ➤ *Source Code:*

```
<!DOCTYPE html>

<html lang="en">
  <head>
    <meta charset="utf-8" />
    <title>Population</title>

    <!-- mobile responsive meta -->
    <meta name="viewport"
content="width=device-width,
initial-scale=1" />
    <meta
      name="viewport"
      content="width=device-width,
initial-scale=1, maximum-scale=1"
    />
```

```
<!-- theme meta -->
<meta name="theme-name"
content="dtox" />

<!-- ** Plugins Needed for the
Project ** -->
<!-- Bootstrap -->
<link rel="stylesheet"
href="plugins/bootstrap/bootstrap.
min.css" />
<!-- themefy-icon -->
<link rel="stylesheet"
href="plugins/themify-
icons/themify-icons.css" />
<!-- slick slider -->
<link rel="stylesheet"
href="plugins/slick/slick.css" />
<!-- venobox popup -->
<link rel="stylesheet"
href="plugins/Venobox/venobox.cs
s" />
<!-- aos -->
<link rel="stylesheet"
href="plugins/aos/aos.css" />
```

```
<!-- Main Stylesheet -->
<link href="css/style.css"
rel="stylesheet" />
```

```
<!--Favicon-->
<link rel="shortcut icon"
href="images/favicon.ico"
type="image/x-icon" />
<link rel="icon"
href="images/favicon.ico"
type="image/x-icon" />
</head>
```

```
<body>
<!-- navigation -->
<section class="fixed-top
navigation">
<div class="container">
<nav class="navbar navbar-
expand-lg navbar-light">
<a class="navbar-brand"
href="index.html"
></a>
<button
  class="navbar-toggler
border-0"
  type="button"
  data-toggle="collapse"
  data-target="#navbar"
  aria-controls="navbar"
  aria-expanded="false"
  aria-label="Toggle
navigation"
>
  <span class="navbar-
toggler-icon"></span>
</button>
<!-- navbar -->
<div class="collapse navbar-
collapse text-center" id="navbar">
  <ul class="navbar-nav ml-
auto">
    <li class="nav-item">
      <a class="nav-link"
href="index.html">Home</a>
    </li>
```

```
<li class="nav-item">
  <a class="nav-link"
href="about.html">About</a>
</li>
<!-- <li class="nav-item">
  <a class="nav-link page-
scroll"
href="#feature">Feature</a>
</li>      -->
<li class="nav-item">
  <a class="nav-link"
href="dashboard.html">Dashboard
</a>
</li>
<li class="nav-item">
  <a class="nav-link page-
scroll"
href="story.html">Story</a>
</li>
<li class="nav-item">
  <a class="nav-link"
href="contact.html">Contact</a>
</li>
</ul>
<!-- <a href="#" class="btn
```

btn-primary ml-lg-3 primary-shadow"

>Try Free</a

> -->

</div>

</nav>

</div>

</section>

<!-- /navigation -->

<!-- hero area -->

<section

class="hero-section hero"

data-background=""

style="background-image:  
url(images/hero-area/banner-  
bg.png)"

>

<div class="container">

<div class="row">

<div class="col-lg-12 text-  
center zindex-1">

<h1 class="mb-3">

A Population<br>

Forecasting Analysis

</h1>

<p class="mb-4">

Population growth in a given generation is a linear combination of its initial size, birth, death, immigration and emigration rates.

</p>

<a href="about.html" class="btn btn-secondary btn-lg">explore us</a>

<!-- banner image -->

<!--  -->

</div>

</div>

</div>

<!-- background shapes -->

<div id="scene">


    
    
    <img
        class="img-fluid hero-bg-4
up-down-animation"
        src="images/background-
shape/green-dot.png"
```



```
        alt=""
    />
    
    
    
    

</div>
</section>
<!-- /hero-area -->

<!-- feature -->
<section class="section feature
mb-0" id="feature">
    <div class="container">
        <div class="row">
            <div class="col-lg-12 text-
center">
                <h2 class="section-
title">Population Data</h2>

```

```
<p class="mb-100">

</p>
</div>
<!-- feature item -->
<div class="col-md-6 mb-
80">
  <div class="d-flex feature-
item">
    <div>
      <i class="ti-ruler-pencil
feature-icon mr-4"></i>
    </div>
    <div>
      <h4>Demographic
Trends</h4>
      <p>
        Every developed nation
has undergone a process known as
the demographic transition from
high to low levels of fertility and
mortality.
      </p>
    </div>
  </div>
</div>
```

```
</div>
<!-- feature item -->
<div class="col-md-6 mb-
80">
  <div class="d-flex feature-
item">
    <div>
      <i class="ti-layout-cta-
left feature-icon mr-4"></i>
    </div>
    <div>
      <h4>Census</h4>
      <p>
        A census is intended to
        record data on as many people as is
        physically possible in order to
        produce the most accurate results
      </p>
    </div>
  </div>
</div>
<!-- feature item -->
<div class="col-md-6 mb-
80">
  <div class="d-flex feature-
```

```

item">
    <div>
        <i class="ti-split-v-alt
feature-icon mr-4"></i>
    </div>
    <div>
        <h4>Reports</h4>
        <p>
            The World Population
            Profile (WP) reports present
            summary demographic information
            for the world as a whole, its regions
            and subregions.
        </p>
    </div>
</div>
<!-- feature item -->
<div class="col-md-6 mb-
80">
    <div class="d-flex feature-
item">
        <div>
            <i class="ti-layers-alt
feature-icon mr-4"></i>

```

```
</div>
```

```
<div>
```

```
<h4>Story</h4>
```

```
<p>
```

The Narration of data based on the Visualization and analysis is super engaging.

```
</p>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```

```

```

</section>
<!-- /feature -->

<!-- newsletter -->
<section class="newsletter">
    <div class="container">
        <div class="row">
            <div class="col-lg-12 text-
center">
                <h2>Subscribe to our
newsletter</h2>
                <p class="mb-5">Receive
updates, news and deals</p>
            </div>
            <div class="col-lg-8 col-sm-
10 col-12 mx-auto">
                <form action="#">
                    <div class="input-wrapper
position-relative">
                        <input
                            type="email"
                            class="newsletter-form"
                            id="newsletter"
```

```
                placeholder="Enter
your email"
            />
            <button type="submit"
value="send" class="btn
newsletter-btn">
                subscribe
            </button>
        </div>
    </form>
</div>
</div>
</div>
<!-- background shapes -->

</section>
<!-- /newsletter -->

<!-- footer -->
```



```
<footer
  class="footer-section footer"
  style="background-image:
url(images/backgrounds/footer-
bg.png)"
>
  <div class="container">
    <div class="row">
      <div class="col-lg-4 text-
center text-lg-left mb-4 mb-lg-0">
        <!-- logo -->
        <a href="index.html">
          
        </a>
      </div>
      <!-- footer menu -->
      <nav class="col-lg-8 align-
self-center mb-5">
        <ul class="list-inline text-
```

```
lg-right text-center footer-menu">
    <li class="list-inline-item
active">
        <a
href="index.html">Home</a>
    </li>
    <li class="list-inline-
item">
        <a class="page-scroll"
href="#feature">Feature</a>
    </li>
    <li class="list-inline-
item"><a
href="about.html">About</a></li>
    <li class="list-inline-
item">
        <a class="page-scroll"
href="#team">Team</a>
    </li>
    <li class="list-inline-
item">
        <a class="page-scroll"
href="#pricing">Pricing</a>
    </li>
    <li class="list-inline-
```

```
item">
    <a
href="contact.html">Contact</a>
    </li>
</ul>
</nav>
<!-- footer social icon -->
<nav class="col-12">
    <ul class="list-inline text-
lg-right text-center social-icon">
        <li class="list-inline-
item">
            <a class="facebook"
href="#"><i class="ti-
facebook"></i></a>
        </li>
        <li class="list-inline-
item">
            <a class="twitter"
href="#"><i class="ti-twitter-
alt"></i></a>
        </li>
        <li class="list-inline-
item">
            <a class="linkedin"
```

```
href="#"><i class="ti-  
linkedin"></i></a>  
    </li>  
    <li class="list-inline-  
item">  
        <a class="black"  
href="#"><i class="ti-  
github"></i></a>  
    </li>  
</ul>  
</nav>  
</div>  
</div>  
</footer>  
<!-- /footer -->  
  
<!-- jQuery -->  
<script  
src="plugins/jQuery/jquery.min.js"  
></script>  
<!-- Bootstrap JS -->  
<script  
src="plugins/bootstrap/bootstrap.m  
in.js"></script>  
<!-- slick slider -->
```

```
<script
src="plugins/slick/slick.min.js"></s
cript>
<!-- venobox -->
<script
src="plugins/Venobox/venobox.mi
n.js"></script>
<!-- aos -->
<script
src="plugins/aos/aos.js"></script>
<!-- Main Script -->
<script
src="js/script.js"></script>
</body>
</html>
```