#### Introduction

#### **Overview**

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

The world's population is more than three times larger than it was in the mid-twentieth century. This dramatic growth has been driven largely by increasing numbers of people surviving to reproductive age, the gradual increase in human lifespan, increasing urbanization, and accelerating migration. Major changes in fertility rate have accompanied this growth. These trends will have far-reaching implications for generations to come.

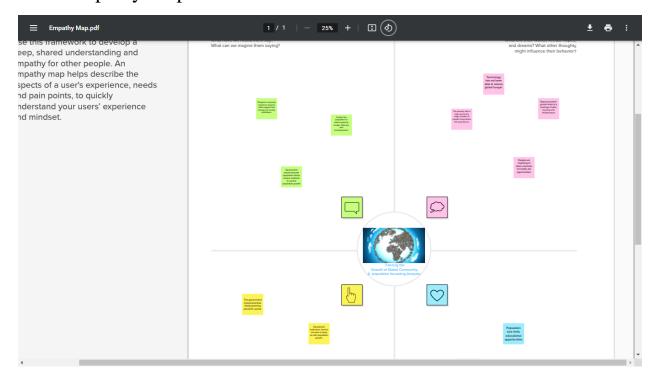
#### **Purpose**

Analyses the population growth in global community and find out the problem and solutions

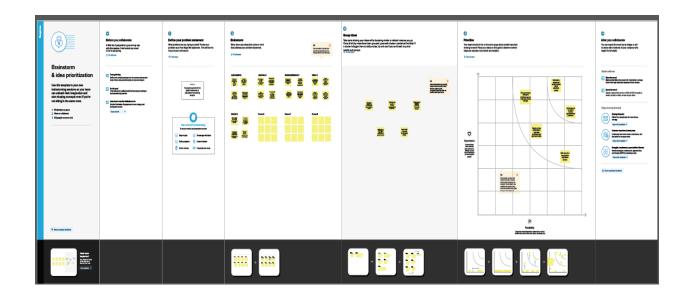
- Manpower will increase due to population growth.
- Technology is expected to increase in the future.
- Green revolution should be implemented to improve food security.
- Population counts are essential for governments to collect taxes and allocate funding.
- Moderate population growth helps to rebalance the population with a higher share of young, working people

# **Problem Definition & Design Thinking**

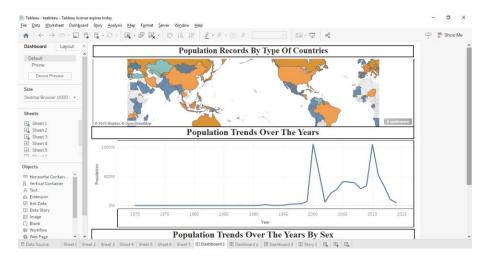
# Empathy Map



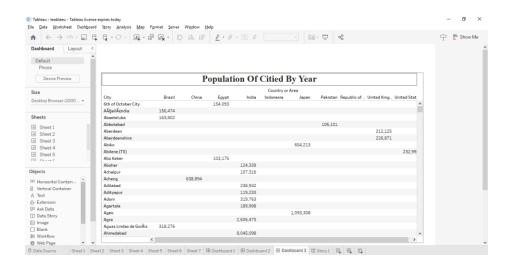
# Ideation & Brainstorming Map

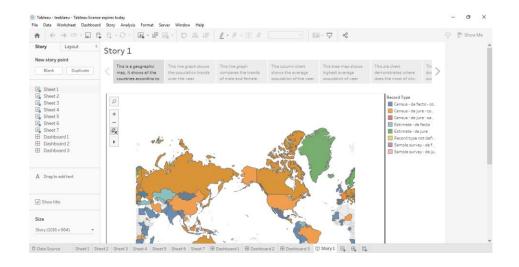


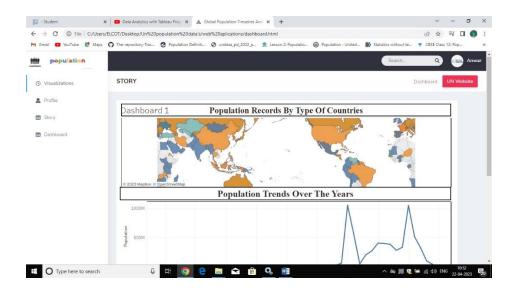
#### Result

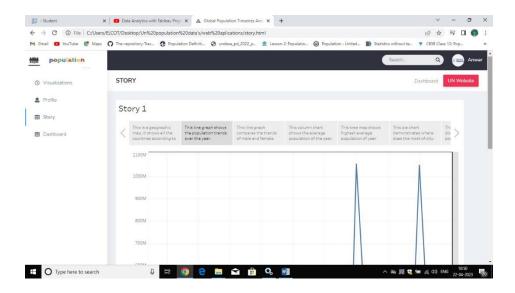












### **Advantages**

- Education is essential for society's growth due to population growth
- Educational institutions need to increase to keep up with population growth.
- More money will be available in tax revenue to fund public services like environmental and health care programs. The obvious conclusion is that GDP per capita is the essential element rather than GDP as a whole.
- In locations where unemployment is a serious problem, this will likely not lead to more jobs, but it will boost the number of individuals willing to work for less pay.

#### **Disadvantages**

- Population growth will lead to increased exploitation of natural resources.
- More people need more food, but food availability was decreases.
- Over populated passion creates a large effect on the environment by exhausting a large proportion of waste. On the other hand, reducing forest which results the growth of pollution.
- By the unemployment, lack of income in family dose not afford to provide education to their children. Which results into creating a problem of illiteracy and again none awareness among the class.
- Population explosion accompanied with rapid industrialization and urbanization has led to greater demand for already deficient energy (fuel wood, fossil fuel and electricity).
- The lack of basic needs, such as food, clothing, and housing, is a major issue in a rapidly growing population, leading to slum areas and starvation.
- Overpopulation is causing environmental damage, leading to increased pressure on infrastructure, economy, environment, health care, and nutrition.

 There will be greater threat on natural habitats as a greater population has greater demand for housing and farmland. This will increase pressure to cut down forests to make way for farming and housing.

## **Applications**

- Population growth could lead to technological advancements in military products.
- Population growth will increase the number of soldiers and resources needed to defend countries.
- Technology can be used to increase agricultural food production.
- specialization enables countries to export and participate in globalization. Producers can export commodities to areas afflicted by natural catastrophes or artificial risks instead of only producing locally.

#### **Conclusion**

The population is a complicated subject with benefits and drawbacks. Even though population density might be a sign of economic expansion, it has other negative environmental effects, including a lack of fresh water. It might boost economies and industries while also encouraging greater innovation. Additionally, it can put food, property, and other limited resources like water at risk.

## **Future scope**

- Wealthy countries and the international community can support lowincome and lower-middle-income countries by providing technical and financial assistance.
- Government should allocate land to villages to farm due to food scarcity.
- The government should prioritize family planning and birth control.
- It will benefit people's lives by providing opportunities and choices for all in all fields
- well-researched planning and implementation on how to harness the population growth for the maximum economic benefit of the society and country.
- Population growth will lead to economic growth with more people able to produce more goods. It will lead to higher tax revenues which can be spent on public goods, such as health care and environmental projects.
- Both agricultural and industrial economies were able to benefit, meaning that as the population increased, food production and manufacturing output had to grow faster than population growth.

# **Appednix**

#### dashboard.html

```
<meta name="keywords"</pre>
        content="wrappixel, admin dashboard, html css dashboard, web dashboard,
bootstrap 5 admin, bootstrap 5, css3 dashboard, bootstrap 5 dashboard, Ample lite
admin bootstrap 5 dashboard, frontend, responsive bootstrap 5 admin template,
Ample admin lite dashboard bootstrap 5 dashboard template">
    <meta name="description"</pre>
        content="Ample Admin Lite is powerful and clean admin dashboard template,
inpired from Bootstrap Framework">
    <meta name="robots" content="noindex,nofollow">
    <title>Global Population Timseries Analysis</title>
    <link rel="canonical" href="https://www.wrappixel.com/templates/ample-admin-</pre>
lite/" />
    <!-- Favicon icon -->
    <link rel="icon" type="image/png" sizes="16x16"</pre>
href="plugins/images/favicon.png">
    <!-- Custom CSS -->
   <link href="css/style.min.css" rel="stylesheet">
    <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media
queries -->
    <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
    <!--[if lt IE 9]>
    <script
src="https://oss.maxcdn.com/libs/html5shiv/3.7.0/html5shiv.js"></script>
    <script
src="https://oss.maxcdn.com/libs/respond.js/1.4.2/respond.min.js"></script>
<![endif]-->
</head>
<body>
    <!-- Preloader - style you can find in spinners.css -->
    <div class="preloader">
        <div class="lds-ripple">
            <div class="lds-pos"></div>
            <div class="lds-pos"></div>
        </div>
    </div>
    <!-- Main wrapper - style you can find in pages.scss -->
    <div id="main-wrapper" data-layout="vertical" data-navbarbg="skin5" data-
sidebartvpe="full"
        data-sidebar-position="absolute" data-header-position="absolute" data-
boxed-layout="full">
```

```
<!-- Topbar header - style you can find in pages.scss -->
        <header class="topbar" data-navbarbg="skin5">
            <nav class="navbar top-navbar navbar-expand-md navbar-dark">
                 <div class="navbar-header" data-logobg="skin6">
                     <a class="navbar-brand" href="dashboard.html">
                         <br/>
<br/>
class="logo-icon">
                              <!-- Dark Logo icon -->
                              <img src="plugins/images/logo-icon3.jpg"</pre>
alt="homepage" />
                         </b>
                         <span class="logo-text">
                              <!-- dark Logo text -->
                              <img src="plugins/images/logo-text5.png"</pre>
alt="homepage" />
                         </span>
                     </a>
                     <!-- toggle and nav items -->
                     <a class="nav-toggler waves-effect waves-light text-dark d-</pre>
block d-md-none"
                         href="javascript:void(0)"><i class="ti-menu ti-</pre>
close"></i></a>
                 </div>
```

```
<div class="navbar-collapse collapse" id="navbarSupportedContent"</pre>
data-navbarbg="skin5">
                 <a class="nav-toggler nav-link waves-effect waves-</pre>
light text-white"
                            href="javascript:void(0)"><i class="ti-menu ti-</pre>
close"></i></a>
                     <!-- Right side toggle and nav items -->
                 class=" in">
                        <form role="search" class="app-search d-none d-md-</pre>
block me-3">
                            <input type="text" placeholder="Search..."</pre>
class="form-control mt-0">
                            <a href="" class="active">
                               <i class="fa fa-search"></i></i>
                            </a>
                        </form>
                     <!-- User profile and search -->
                     <
                        <a class="profile-pic" href="#">
src="plugins/images/users/smartinternz_thumb.png" alt="user-img" width="36"
                               class="img-circle"><span class="text-white</pre>
font-medium">Anwar</span></a>
```

```
<!-- User profile and search -->
                                       </div>
                                                        </nav>
                                     </header>
                                      <!-- Left Sidebar - style you can find in sidebar.scss -->
                                      <aside class="left-sidebar" data-sidebarbg="skin6">
                                                        <!-- Sidebar scroll-->
                                                        <div class="scroll-sidebar">
                                                                          <!-- Sidebar navigation-->
                                                                          <nav class="sidebar-nav">
                                                                                             ul id="sidebarnav">
                                                                                                                 <!-- User Profile-->
                                                                                                                 <a class="sidebar-link waves-effect waves-dark"><a class="sidebar-link"><a class="sidebar-link"><
sidebar-link" href="dashboard.html"
                                                                                                                                                      aria-expanded="false">
                                                                                                                                                      <i class="far fa-clock" aria-hidden="true"></i></i>
                                                                                                                                                      <span class="hide-menu">Visualizations</span>
                                                                                                                                   </a>
                                                                                                                 <a class="sidebar-link waves-effect waves-dark"><a class="sidebar-link"><a class="sidebar-link"><
sidebar-link" href="profile.html"
                                                                                                                                                       aria-expanded="false">
                                                                                                                                                      <i class="fa fa-user" aria-hidden="true"></i></i>
                                                                                                                                                      <span class="hide-menu">Profile</span>
                                                                                                                                   </a>
                                                                                                                <a class="sidebar-link waves-effect waves-dark</pre>
sidebar-link" href="story.html"
                                                                                                                                                      aria-expanded="false">
                                                                                                                                                      <i class="fa fa-table" aria-hidden="true"></i></i>
                                                                                                                                                      <span class="hide-menu">Story</span>
```

```
</a>
                                                                               <a class="sidebar-link waves-effect waves-dark"><a class="sidebar-link waves-effect waves-ef
sidebar-link" href="dash1.html"
                                                                                                          aria-expanded="false">
                                                                                                          <i class="fa fa-table" aria-hidden="true"></i></i>
                                                                                                           <span class="hide-menu">Dashboard</span>
                                                                                             </a>
                                                                               </nav>
                                        <!-- End Sidebar scroll-->
                           </aside>
                           <!-- End Left Sidebar - style you can find in sidebar.scss -->
                           <!-- Page wrapper -->
                           <div class="page-wrapper">
                                        <!-- Bread crumb and right sidebar toggle -->
                                        <div class="page-breadcrumb bg-white">
                                                     <div class="row align-items-center">
                                                                  <div class="col-lg-3 col-md-4 col-sm-4 col-xs-12">
                                                                                <h4 class="page-title"> STORY</h4>
                                                                  </div>
                                                                  <div class="col-lg-9 col-sm-8 col-md-8 col-xs-12">
                                                                                <div class="d-md-flex">
                                                                                             <a href="#" class="fw-
normal">Dashboard</a>
                                                                                             <a href="https://www.un.org/development/desa/pd/"
target=" blank"
```

```
class="btn btn-danger d-none d-md-block pull-
right ms-3 hidden-xs hidden-sm waves-effect waves-light text-white">UN
                                Website</a>
                        </div>
                    </div>
                </div>
                <!-- /.col-lg-12 -->
            </div>
            <!-- End Bread crumb and right sidebar toggle -->
            <!-- Container fluid -->
            <div class="container-fluid">
                <!-- Start Page Content -->
                <div class='tableauPlaceholder' id='viz1681957651959'</pre>
style='position: relative'><noscript><a href='#'><img alt='Dashboard 1 '</pre>
src='https://public.tableau.com/static/images/UN/UNPopula
tiondatadashboard/Dashboard1/1 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</pre>
name='embed code version' value='3' /> <param name='site root' value='' /><param</pre>
name='name' value='UNPopulationdatadashboard/Dashboard1' /><param name='tabs'</pre>
value='no' /><param name='toolbar' value='yes' /><param name='static image'</pre>
value='https://public.tableau.com/static/images/UN/UNPopu
lationdatadashboard/Dashboard1/1.png' /> <param name='animate transition'</pre>
value='yes' /><param name='display static image' value='yes' /><param</pre>
name='display_spinner' value='yes' /><param name='display_overlay' value='yes'</pre>
/><param name='display_count' value='yes' /><param name='language' value='en-US'
/></object></div>
                                 <script
type='text/javascript'>
                                           var divElement =
document.getElementById('viz1681957651959');
                                                                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='977px';}
  var scriptElement =
document.createElement('script');
                                                     scriptElement.src =
'https://public.tableau.com/javascripts/api/viz v1.js';
                                                                           vizEle
ment.parentNode.insertBefore(scriptElement, vizElement);
                                                                        </script>
                <param name='embed_code_version' value='3' />
                 <param name='site root' value='' />
                 <param name='name' value='population dash&#47;Dashboard1' />
                 <param name='tabs' value='no' /><param name='toolbar'</pre>
value='yes' />
                 <param name='static image'</pre>
value='https://public.tableau.com/static/images/po/popula
tion_dash/Dashboard1/1.png' />
                  <param name='animate transition' value='yes' /><param</pre>
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('viz1674237595752');
                                     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='877px';}
                                                             var scriptElement =
document.createElement('script');
                                                                 scriptElement.sr
c = 'https://public.tableau.com/javascripts/api/viz_v1.js';
                                                                       vizElement
.parentNode.insertBefore(scriptElement, vizElement);
                      </script>
```

```
<!-- End PAge Content -->
                <!-- Right sidebar -->
                <!-- .right-sidebar -->
                <!-- End Right sidebar -->
            </div>
            <!-- End Container fluid -->
            <!-- footer -->
            <footer class="footer text-center"> 2022 @ Smartinternz brought to
you by <a
                    href="https://www.thesmartbridge.com/">thesmartbridge.com</a>
            </footer>
            <!-- End footer -->
        </div>
        <!-- End Page wrapper -->
    </div>
    <!-- End Wrapper -->
    <!-- All Jquery -->
```

#### story.html

```
<!DOCTYPE html>
<html dir="ltr" lang="en">
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <!-- Tell the browser to be responsive to screen width -->
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta name="keywords"</pre>
        content="wrappixel, admin dashboard, html css dashboard, web dashboard,
bootstrap 5 admin, bootstrap 5, css3 dashboard, bootstrap 5 dashboard, Ample lite
admin bootstrap 5 dashboard, frontend, responsive bootstrap 5 admin template,
Ample admin lite dashboard bootstrap 5 dashboard template">
    <meta name="description"</pre>
        content="Ample Admin Lite is powerful and clean admin dashboard template,
inpired from Bootstrap Framework">
    <meta name="robots" content="noindex,nofollow">
    <title>Global Population Timseries Analysis</title>
    <link rel="canonical" href="https://www.wrappixel.com/templates/ample-admin-</pre>
lite/" />
    <!-- Favicon icon -->
    <link rel="icon" type="image/png" sizes="16x16"</pre>
href="plugins/images/favicon.png">
    <!-- Custom CSS -->
   <link href="css/style.min.css" rel="stylesheet">
    <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media
aueries -->
```

```
<!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
    <!--[if lt IE 9]>
    <script
src="https://oss.maxcdn.com/libs/html5shiv/3.7.0/html5shiv.js"></script>
src="https://oss.maxcdn.com/libs/respond.js/1.4.2/respond.min.js"></script>
<![endif]-->
</head>
<body>
    <!-- Preloader - style you can find in spinners.css -->
    <div class="preloader">
        <div class="lds-ripple">
            <div class="lds-pos"></div>
            <div class="lds-pos"></div>
        </div>
    </div>
    <!-- Main wrapper - style you can find in pages.scss -->
    <div id="main-wrapper" data-layout="vertical" data-navbarbg="skin5" data-</pre>
sidebartype="full"
        data-sidebar-position="absolute" data-header-position="absolute" data-
boxed-layout="full">
        <!-- Topbar header - style you can find in pages.scss -->
        <header class="topbar" data-navbarbg="skin5">
            <nav class="navbar top-navbar navbar-expand-md navbar-dark">
                <div class="navbar-header" data-logobg="skin6">
                    <a class="navbar-brand" href="dashboard.html">
                        <b class="logo-icon">
                             <img src="plugins/images/logo-icon3.jpg"</pre>
alt="homepage" />
                        </b>
                        <!--End Logo icon -->
```

```
<span class="logo-text">
                        <!-- dark Logo text -->
                        <img src="plugins/images/logo-text5.png"</pre>
alt="homepage" />
                    </span>
                 </a>
                 <!-- End Logo -->
                 <!-- toggle and nav items -->
                 <a class="nav-toggler waves-effect waves-light text-dark d-</pre>
block d-md-none"
                    href="javascript:void(0)"><i class="ti-menu ti-</pre>
close"></i></a>
             </div>
              <div class="navbar-collapse collapse" id="navbarSupportedContent"</pre>
data-navbarbg="skin5">
                 <a class="nav-toggler nav-link waves-effect waves-</pre>
light text-white"
                           href="javascript:void(0)"><i class="ti-menu ti-</pre>
close"></i></a>
                    <!-- Right side toggle and nav items -->
```

```
<!-- Search -->
                        class=" in">
                             <form role="search" class="app-search d-none d-md-</pre>
block me-3">
                                 <input type="text" placeholder="Search..."</pre>
class="form-control mt-0">
                                 <a href="" class="active">
                                     <i class="fa fa-search"></i></i>
                            </form>
                        <!-- User profile and search -->
                        <1i>>
                             <a class="profile-pic" href="#">
src="plugins/images/users/smartinternz thumb.png" alt="user-img" width="36"
                                     class="img-circle"><span class="text-white"</pre>
font-medium">Anwar</span></a>
                        <!-- User profile and search -->
                    </div>
            </nav>
        </header>
        <!-- End Topbar header -->
        <!-- Left Sidebar - style you can find in sidebar.scss -->
        <aside class="left-sidebar" data-sidebarbg="skin6">
            <!-- Sidebar scroll-->
            <div class="scroll-sidebar">
```

```
<!-- Sidebar navigation-->
                                            <nav class="sidebar-nav">
                                                       ul id="sidebarnav">
                                                                  <!-- User Profile-->
                                                                  <a class="sidebar-link waves-effect waves-dark"
sidebar-link" href="dashboard.html"
                                                                                        aria-expanded="false">
                                                                                        <i class="far fa-clock" aria-hidden="true"></i></i>
                                                                                        <span class="hide-menu">Visualizations</span>
                                                                             </a>
                                                                  <a class="sidebar-link waves-effect waves-dark"</pre>
sidebar-link" href="profile.html"
                                                                                        aria-expanded="false">
                                                                                        <i class="fa fa-user" aria-hidden="true"></i></i>
                                                                                         <span class="hide-menu">Profile</span>
                                                                             </a>
                                                                  <a class="sidebar-link waves-effect waves-dark"</pre>
sidebar-link" href="story.html"
                                                                                        aria-expanded="false">
                                                                                         <i class="fa fa-table" aria-hidden="true"></i></i>
                                                                                         <span class="hide-menu">Story</span>
                                                                             </a>
                                                                  <a class="sidebar-link waves-effect waves-dark"><a class="sidebar-link waves-effect waves-ef
sidebar-link" href="dash1.html"
                                                                                         aria-expanded="false">
                                                                                        <i class="fa fa-table" aria-hidden="true"></i></i>
                                                                                        <span class="hide-menu">Dashboard</span>
                                                                              </a>
                                                                  </nav>
                                            <!-- End Sidebar navigation -->
                                 </div>
                                 <!-- End Sidebar scroll-->
```

```
</aside>
       <!-- End Left Sidebar - style you can find in sidebar.scss -->
       <!-- Page wrapper -->
       <div class="page-wrapper">
           <!-- Bread crumb and right sidebar toggle -->
           <div class="page-breadcrumb bg-white">
               <div class="row align-items-center">
                   <div class="col-lg-3 col-md-4 col-sm-4 col-xs-12">
                       <h4 class="page-title"> STORY</h4>
                   </div>
                   <div class="col-lg-9 col-sm-8 col-md-8 col-xs-12">
                       <div class="d-md-flex">
                           <a href="#" class="fw-
normal">Dashboard</a>
                           <a href="https://www.un.org/development/desa/pd/"</pre>
target="_blank"
                               class="btn btn-danger d-none d-md-block pull-
right ms-3 hidden-xs hidden-sm waves-effect waves-light text-white">UN
                              Website</a>
                       </div>
                   </div>
               </div>
               <!-- /.col-lg-12 -->
           </div>
           <!-- End Bread crumb and right sidebar toggle -->
           <!-- Container fluid -->
           <div class="container-fluid">
```

```
<!-- Start Page Content -->
                <div class='tableauPlaceholder' id='viz1674236179404'</pre>
style='position: relative'>
               <noscript><a href='#'>
                    <div class='tableauPlaceholder' id='viz1682055120851'</pre>
style='position: relative'><noscript><a href='#'><img alt='Story 1 '</pre>
src='https://public.tableau.com/static/images/5R/5RMDNXSW
9/1 rss.png' style='border: none' /></a></noscript><object
class='tableauViz' style='display:none;'><param name='host url'</pre>
value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param name='embed_code_version'</pre>
value='3' /> <param name='path' value='shared&#47;5RMDNXSW9' /> <param
name='toolbar' value='yes' /><param name='static image'</pre>
value='https://public.tableau.com/static/images/5R/5RMDNX
SW9/1.png' /> <param name='animate transition' value='yes' /><param
name='display_static_image' value='yes' /><param name='display_spinner'</pre>
value='yes' /><param name='display_overlay' value='yes' /><param</pre>
name='display_count' value='yes' /><param name='language' value='en-US'</pre>
/></object></div>
                                <script
type='text/javascript'>
                                          var divElement =
document.getElementById('viz1682055120851');
                                                               var vizElement =
divElement.getElementsByTagName('object')[0];
                                                                vizElement.style
.width='1016px';vizElement.style.height='991px';
scriptElement =
document.createElement('script');
                                                    scriptElement.src =
'https://public.tableau.com/javascripts/api/viz v1.js';
                                                                          vizEle
ment.parentNode.insertBefore(scriptElement, vizElement);
                                                                      </script>
                    </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='population story&#47;Story1' />
                    <param name='tabs' value='no' />
                    <param name='toolbar' value='yes' />
                    <param name='static image'</pre>
value='https://public.tableau.com/static/images/po/popula
tion_story/Story1/1.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('viz1674236179404');
                                 var vizElement =
divElement.getElementsByTagName('object')[0];
                                            vizElement.style.width='1016px';vizEl
ement.style.height='991px';
                                                 var scriptElement =
document.createElement('script');
                                                       scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
                                                                    vizElement.par
entNode.insertBefore(scriptElement, vizElement);
                  </script>
                <!-- End PAge Content -->
                <!-- .right-sidebar -->
                <!-- End Right sidebar -->
            <!-- End Container fluid -->
```

```
<!-- footer -->
            <footer class="footer text-center"> 2022 @ Smartinternz brought to
you by <a
                    href="https://www.thesmartbridge.com/">thesmartbridge.com</a>
            </footer>
        </div>
        <!-- End Page wrapper -->
    </div>
    <!-- End Wrapper -->
    <!-- All Jquery -->
    <script src="plugins/bower components/jquery/dist/jquery.min.js"></script>
    <!-- Bootstrap tether Core JavaScript -->
    <script src="bootstrap/dist/js/bootstrap.bundle.min.js"></script>
    <script src="js/app-style-switcher.js"></script>
    <!--Wave Effects -->
    <script src="js/waves.js"></script>
    <script src="js/sidebarmenu.js"></script>
    <!--Custom JavaScript -->
    <script src="js/custom.js"></script>
</body>
</html>
```