

1 INTRODUCTION

1.1 Overview

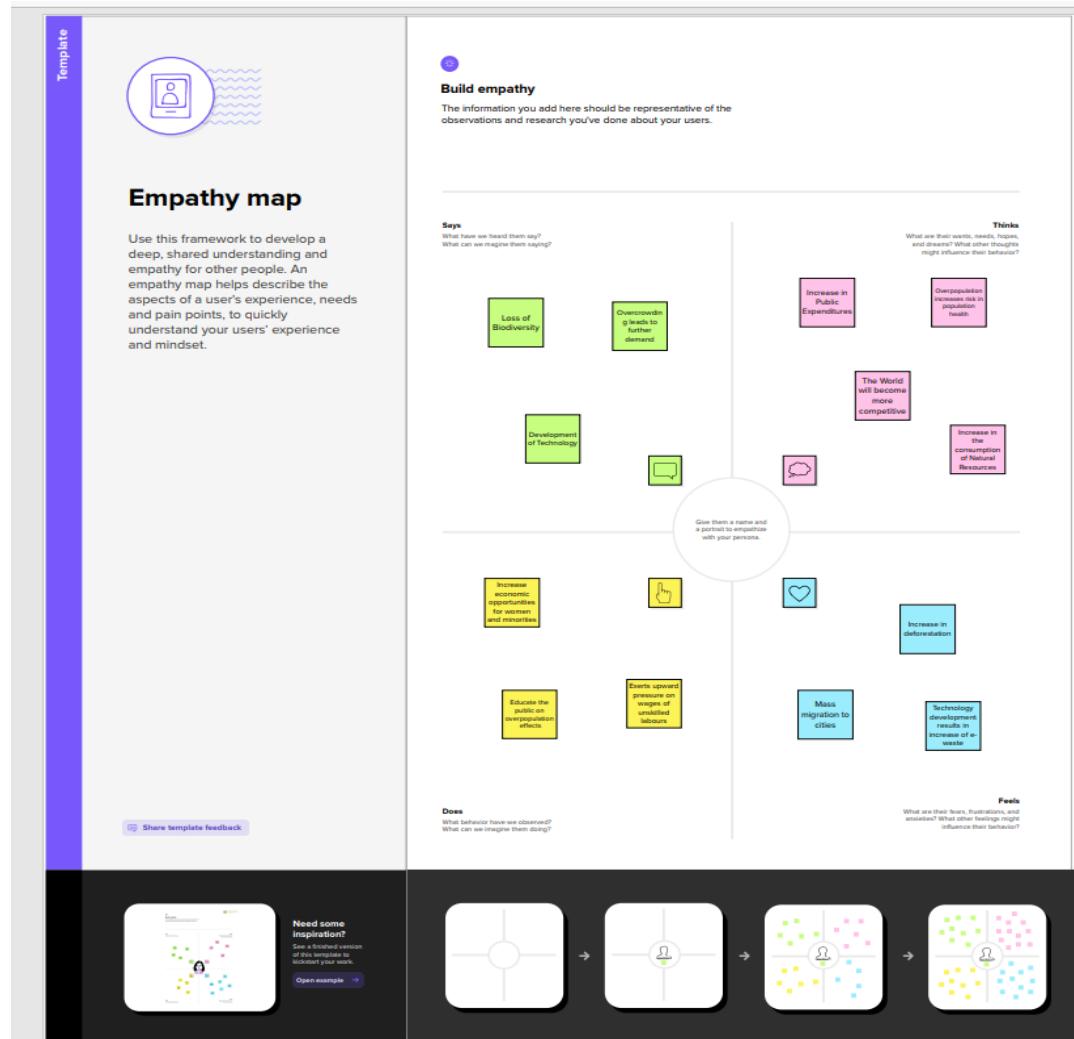
The project of my team is **Tracing the growth of the global community; A population forecasting analysis** in which we can understand how might be the world's population growth rate make changes globally and also we can know how the population grew on various countries in the past few years.

1.2 Purpose

Population growth will lead to economic growth with more people able to produce more goods and also for increase in Defense sector of countries which lead strong position of countries.

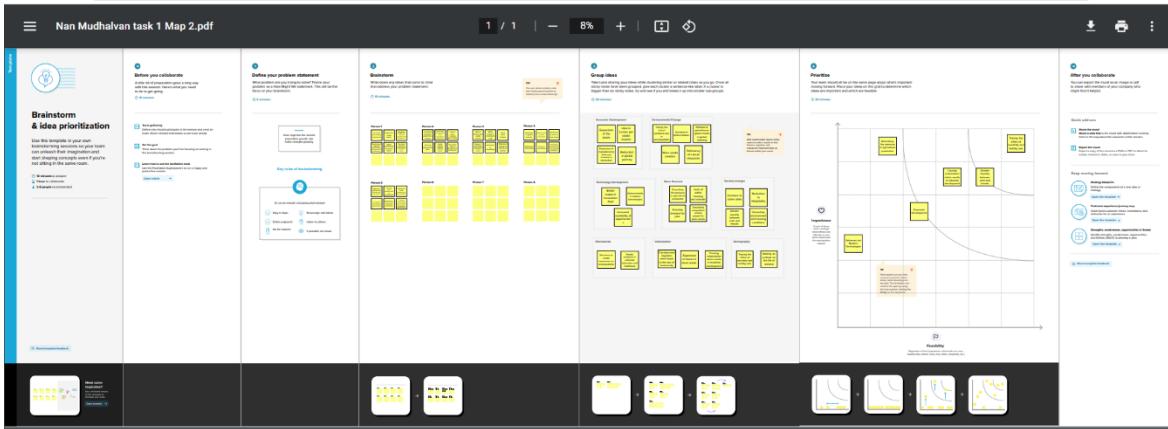
2 Problem Definition & Design Thinking

1.3 Empathy Map



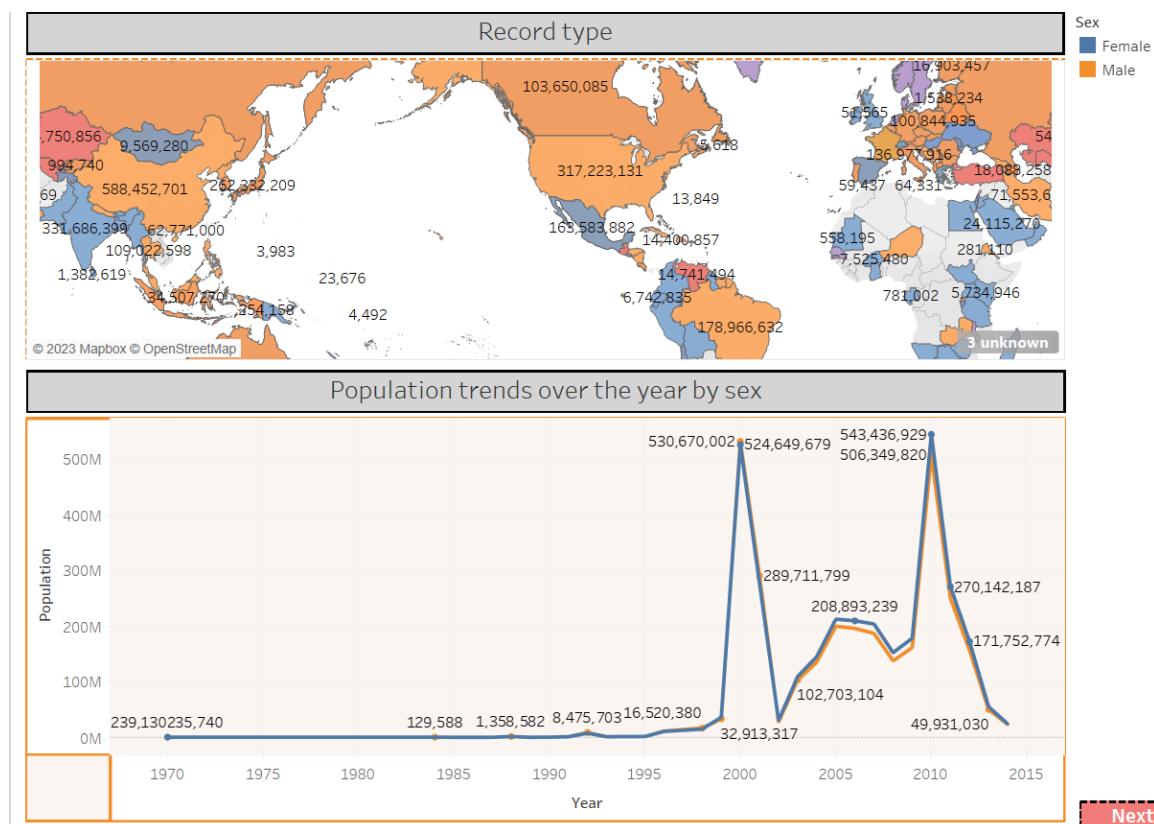
1.4 Ideation & Brainstorming Map

Ideation & brainstorming map

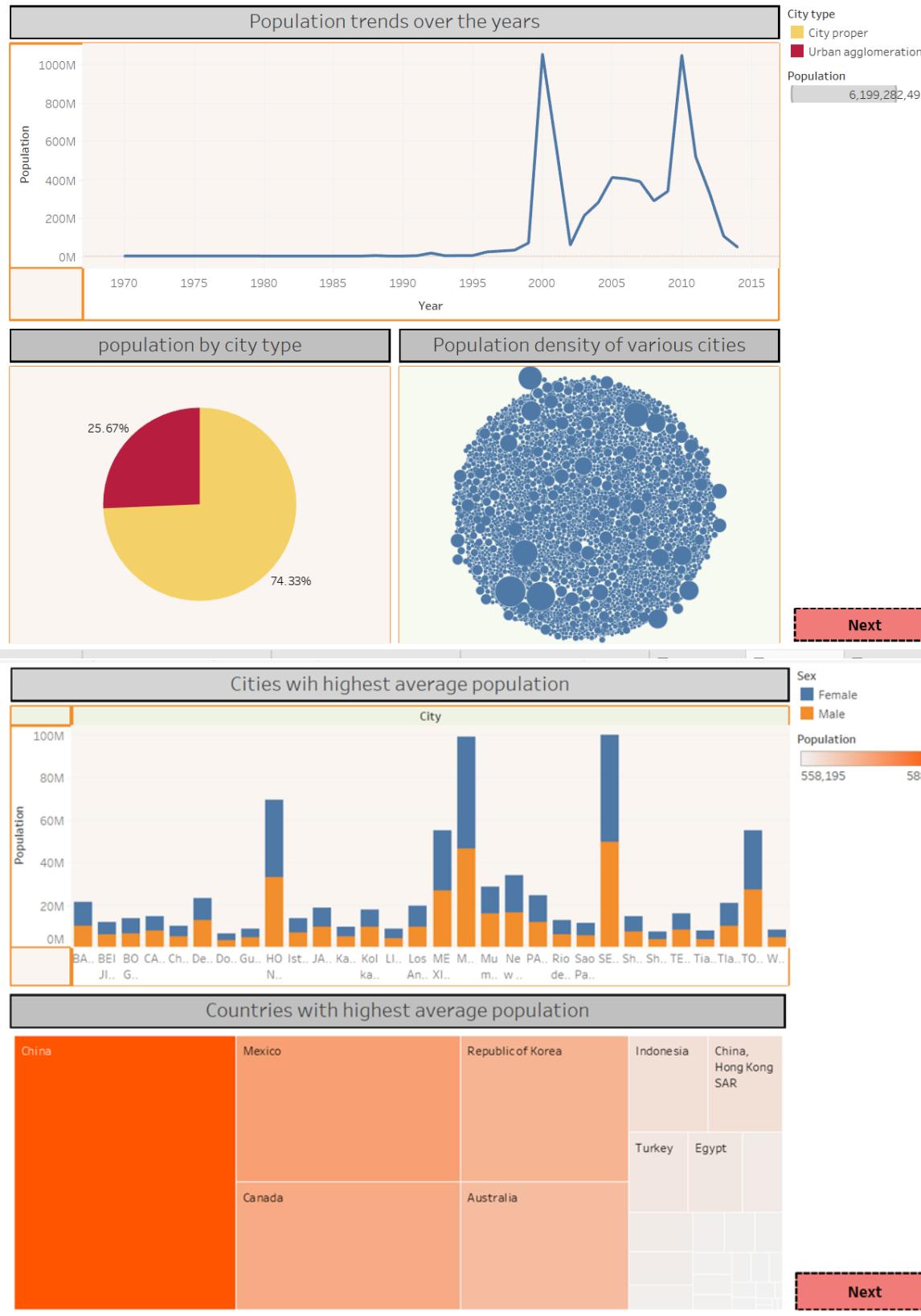


3 RESULT

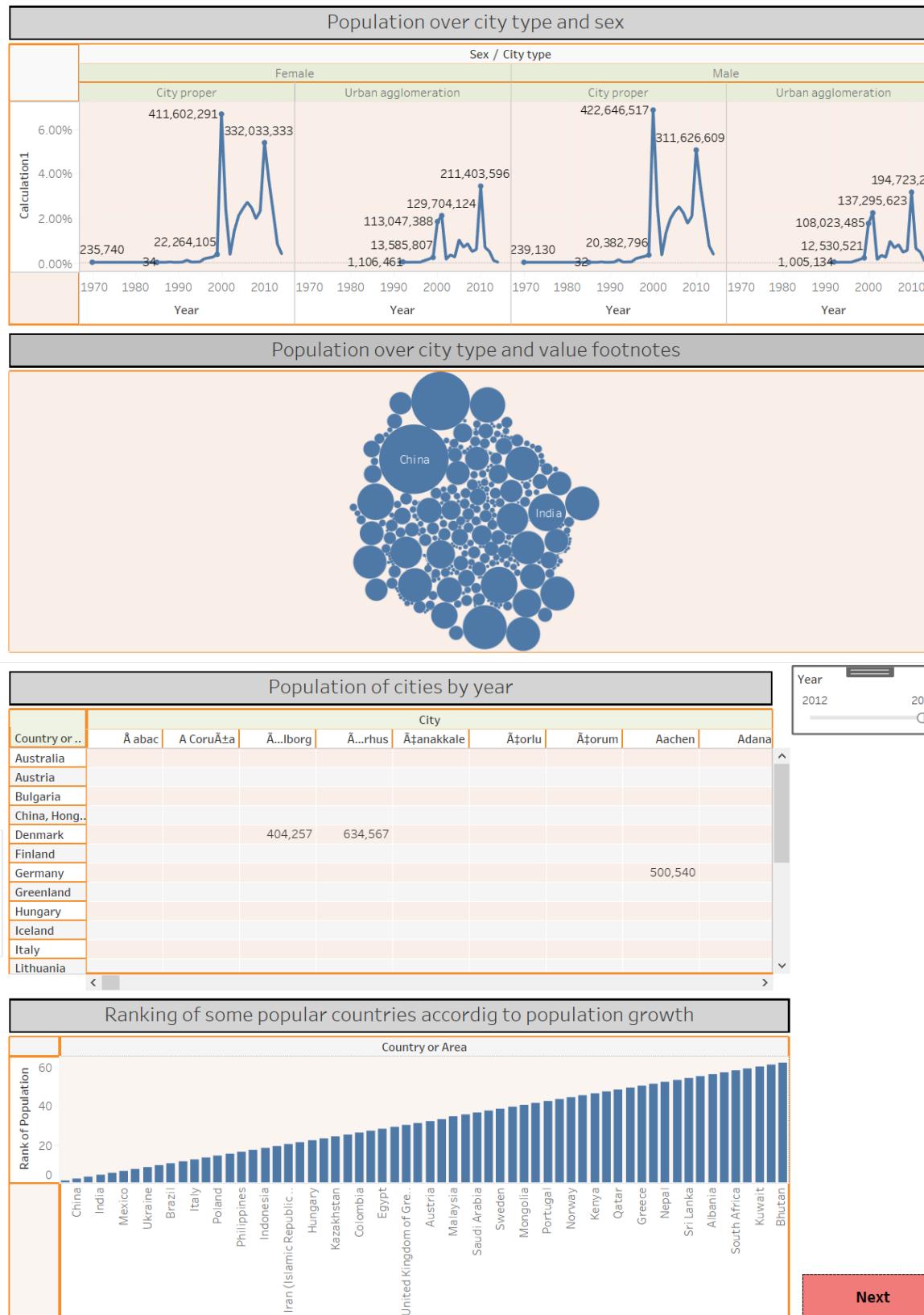
Dashboard



Project Report Template



Project Report Template



Story

Next

Project Report Template

Story 1

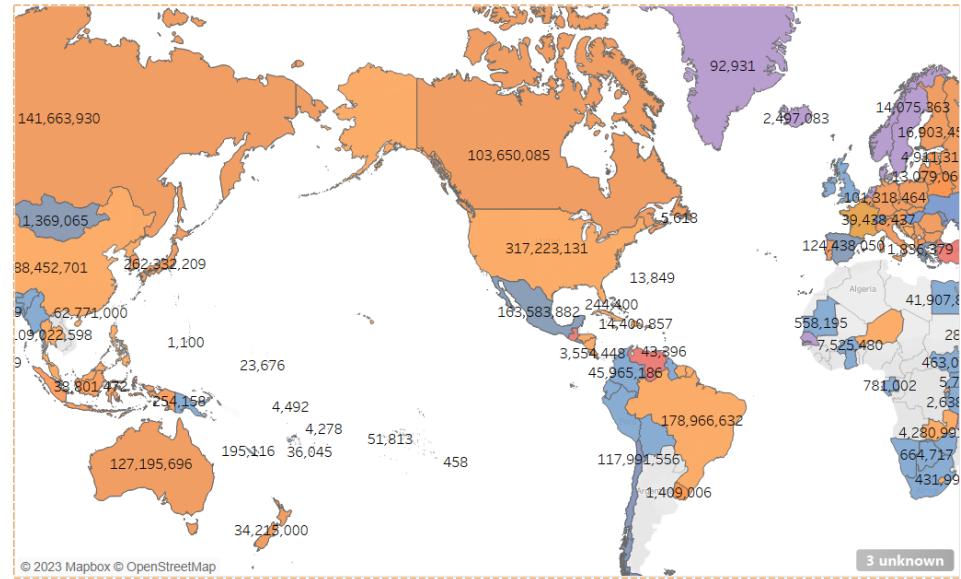
This is a geographic map, it shows all the countries according to their population

This is a line graph, it shows the population trends of two gender over the years.

This is a line graph, it shows the population trends of various countries and cities

This is a bar graph, it shows various cities with highest average population

This is a tree map showing countries with average population.



Story 1

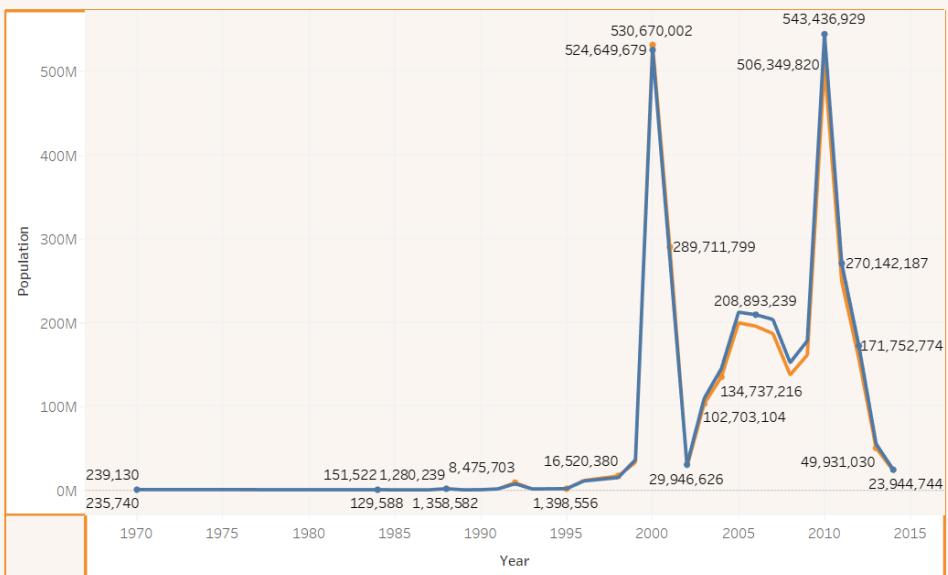
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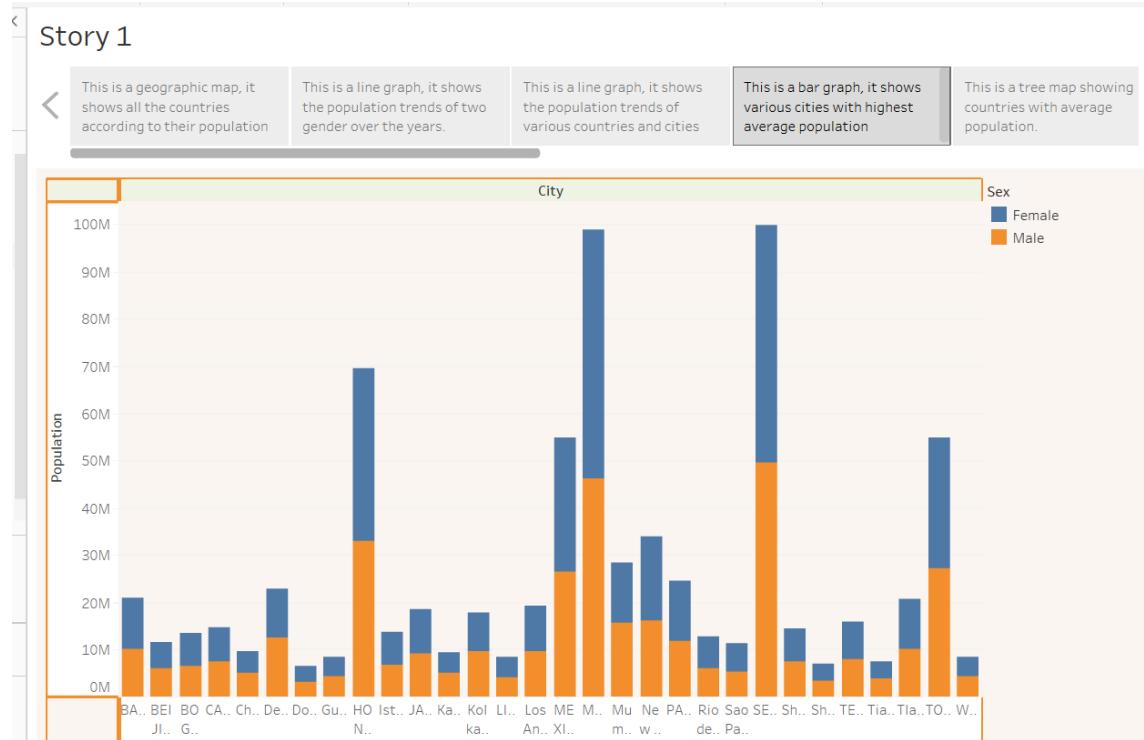
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Project Report Template



Project Report Template

Story 1

graph, it shows on trends of two the years.

This is a line graph, it shows the population trends of various countries and cities

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This is a tree map showing countries with average population.

This is a pie chart representing population by the city type.

The tail popula partic

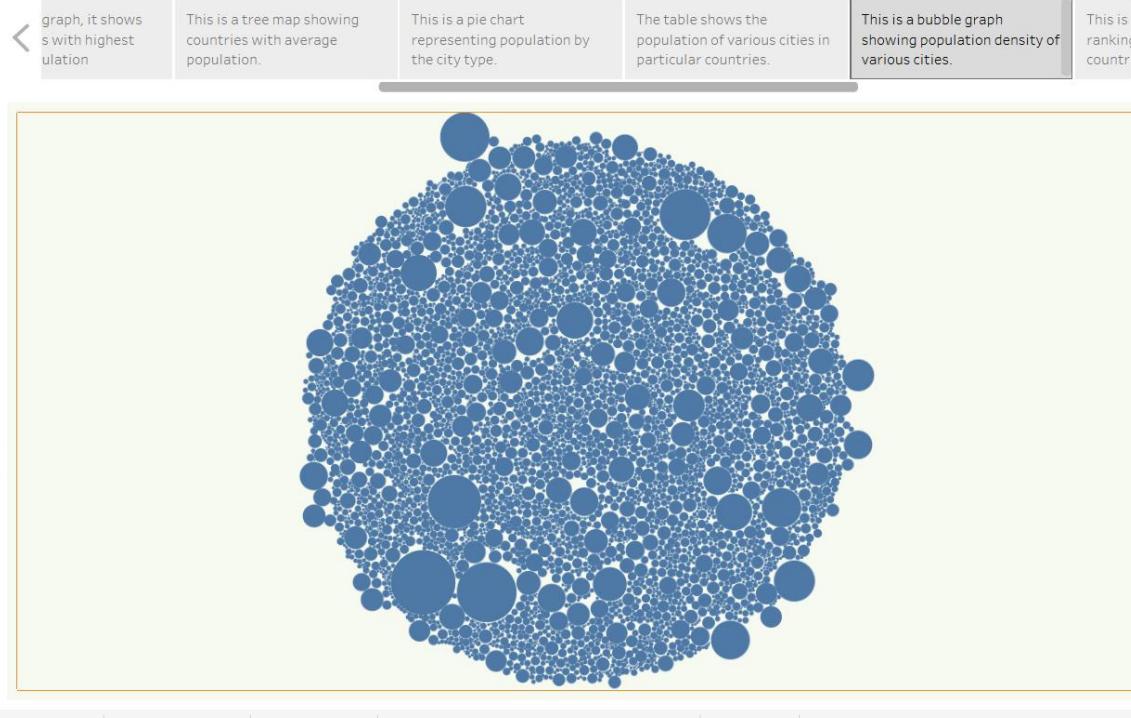
A pie chart illustrating the distribution of population by city type. The chart is divided into two segments: a large yellow segment representing 'City proper' at 74.33% and a smaller red segment representing 'Urban agglomeration' at 25.67%. The segments are labeled with their respective percentages.

City type	Population
City proper	74.33%
Urban agglomeration	25.67%

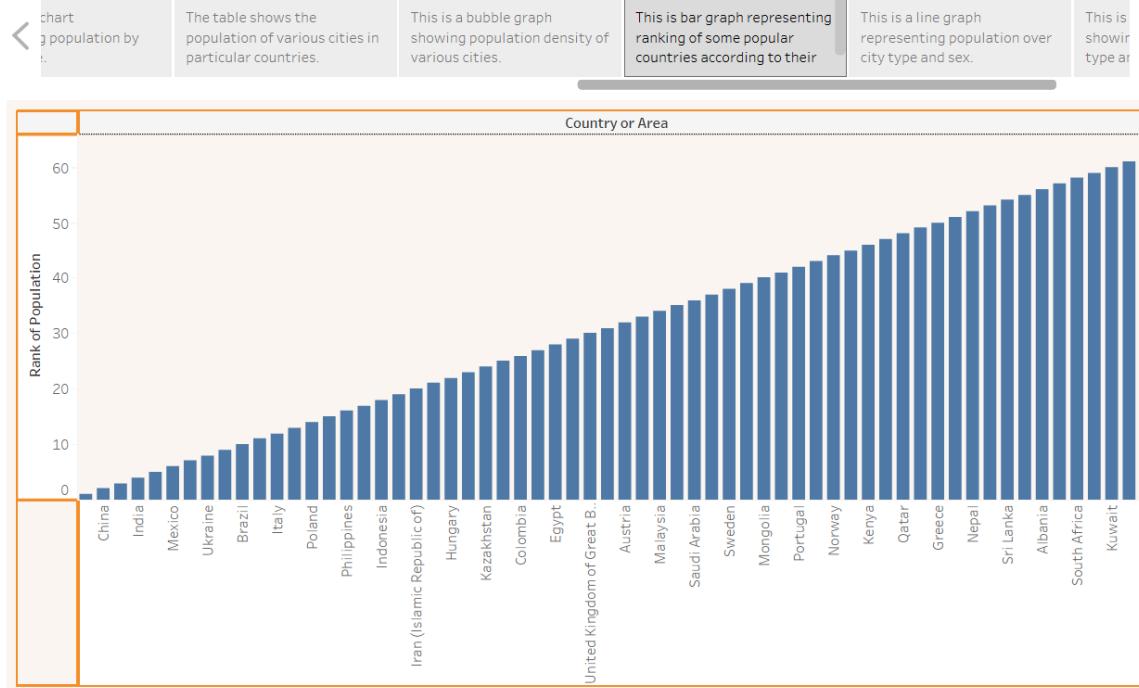
Population
6,199,282,491

Project Report Template

Story 1



Story 1



Project Report Template

Story 1

chart showing population by

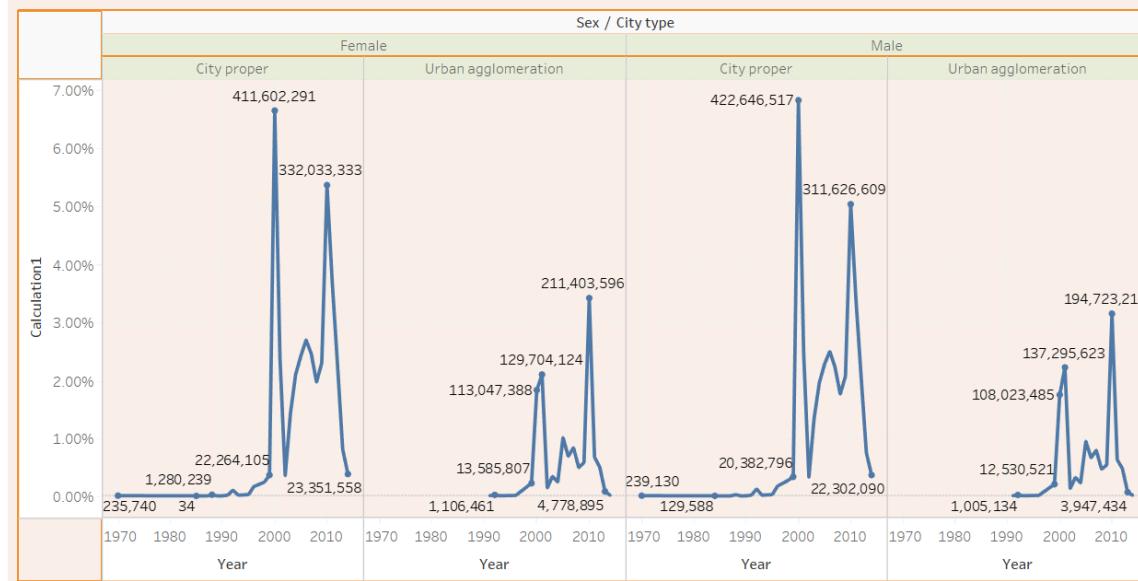
The table shows the population of various cities in particular countries.

This is a bubble graph showing population density of various cities.

This is bar graph representing ranking of some popular countries according to their

This is a line graph representing population over city type and sex.

This is showing type ar



Story 1

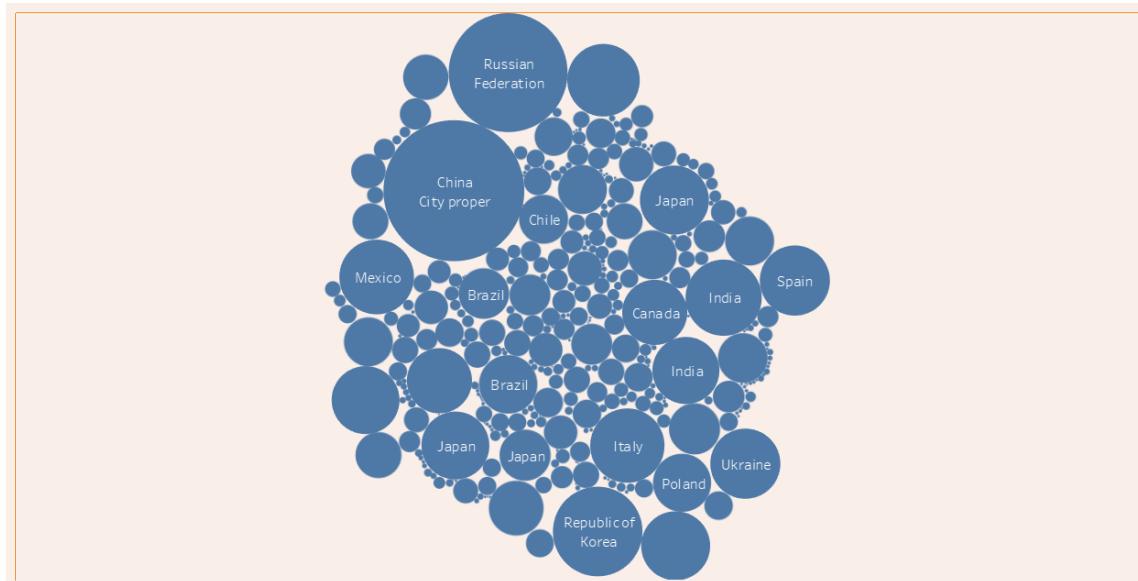
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This is a line graph representing population over city type and sex.

This is a bubble graph showing population over city type and value footnotes.



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Story 1

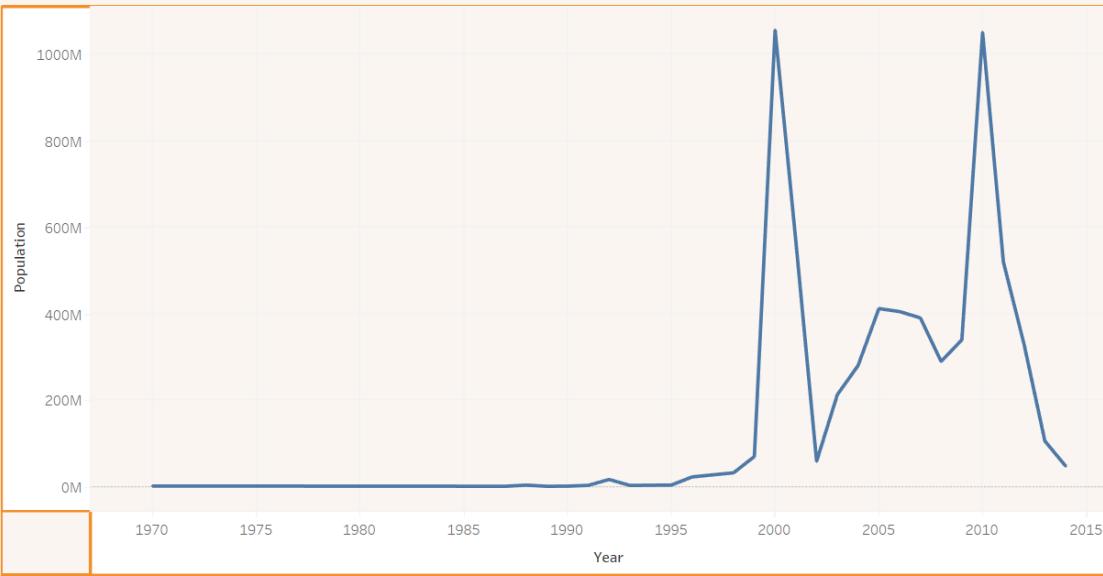
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Webpage

Welcome to Population Growth Analysis

World population has been rising continuously around the 1350s and grew rapidly during the industrial revolution. The most significant increase in the world's population has been since the 1950s, mainly due to medical advancements and increases in agricultural productivity.

ABOUT US

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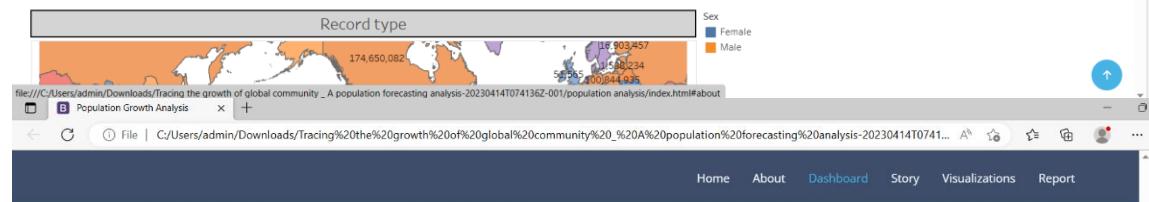
ABOUT US

Population analysis is needed to identify problems and community needs, establish goals and objectives, assess alternative courses of action, allocate resources for plan implementation, and evaluate the ability of the plan to achieve goals and objectives.

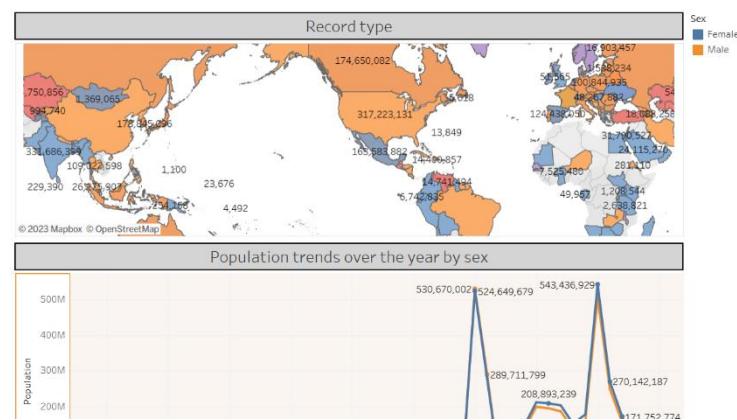
The UN population division report of 2022 projects world population to continue growing after 2050, although at a steadily decreasing rate, to peak at 10.4 billion in 2086.

There are two important relationships that help explain how the level of development of a country affects its population growth rates: Fertility rate is the parameter which matters most for population changes – it is the strongest determinant; As a country gets richer (or more developed), fertility rates tend to fall.

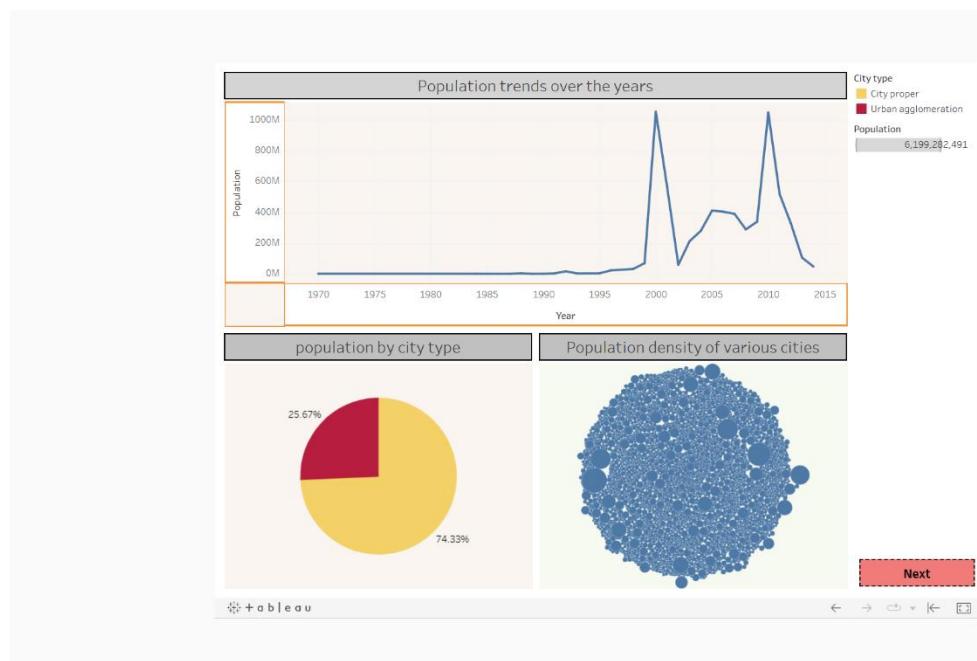
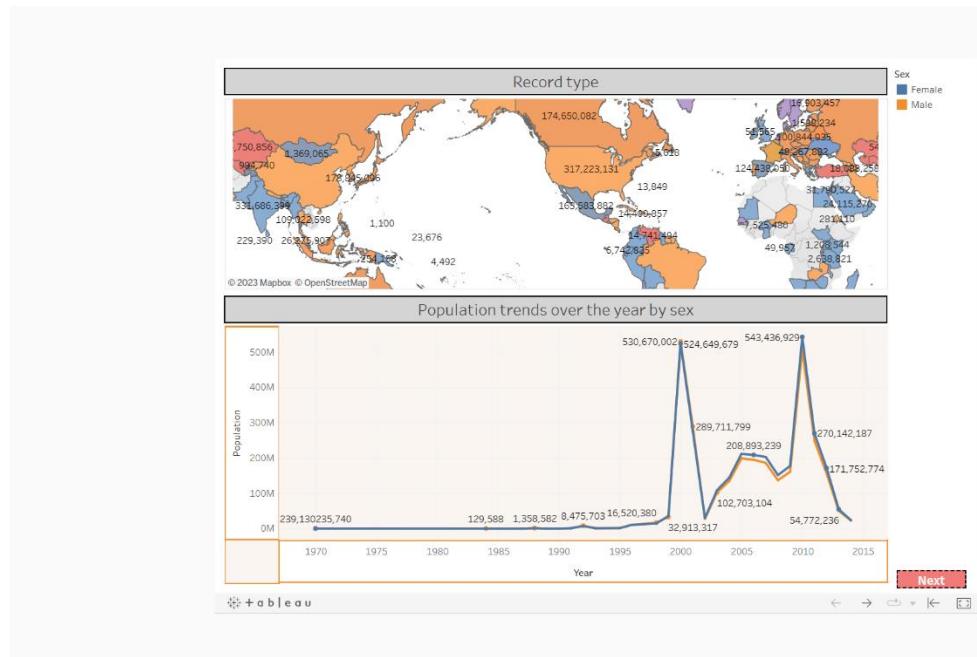
DASHBOARD



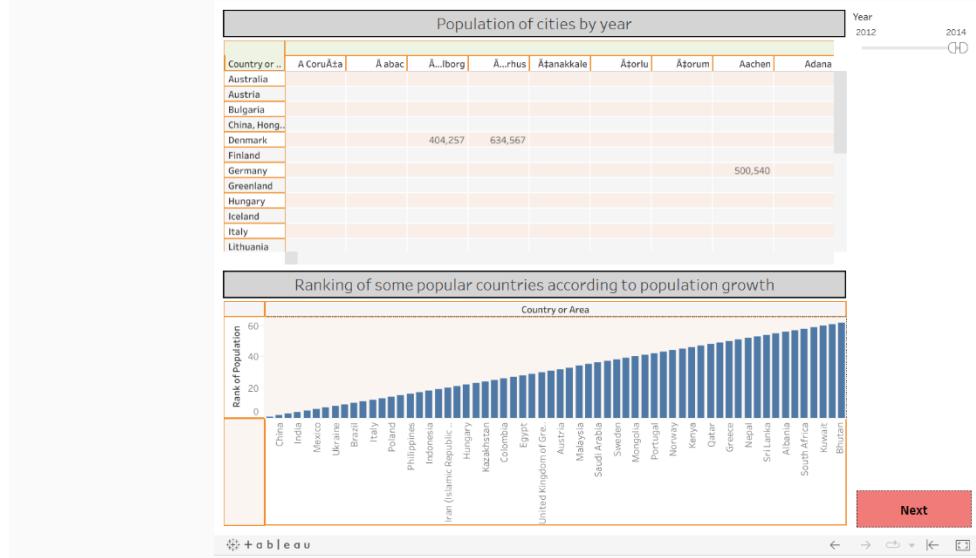
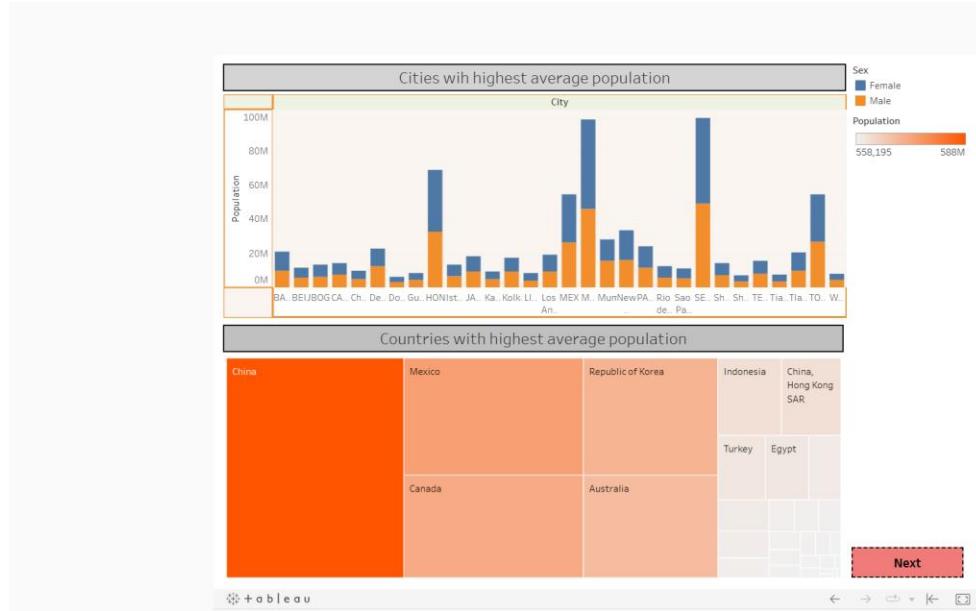
DASHBOARD



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Project Report Template



STORY

Story 1

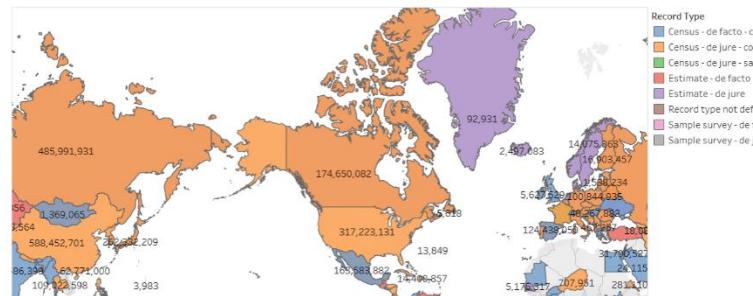
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This is a bar graph. It shows cities with highest average population.

The table shows the population of various cities particular countries.



Project Report Template

Story 1

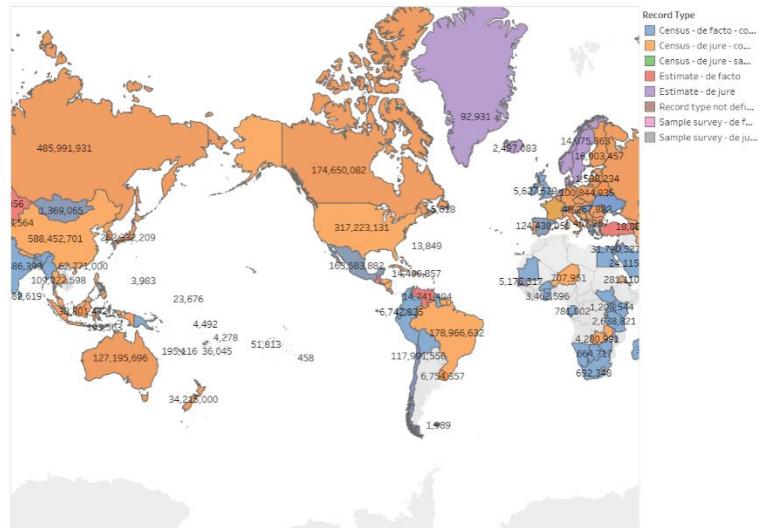
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tableau

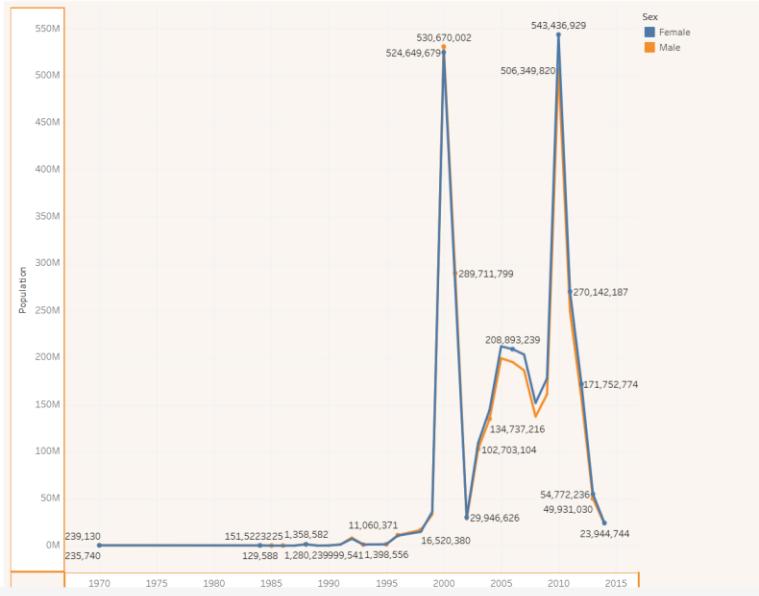
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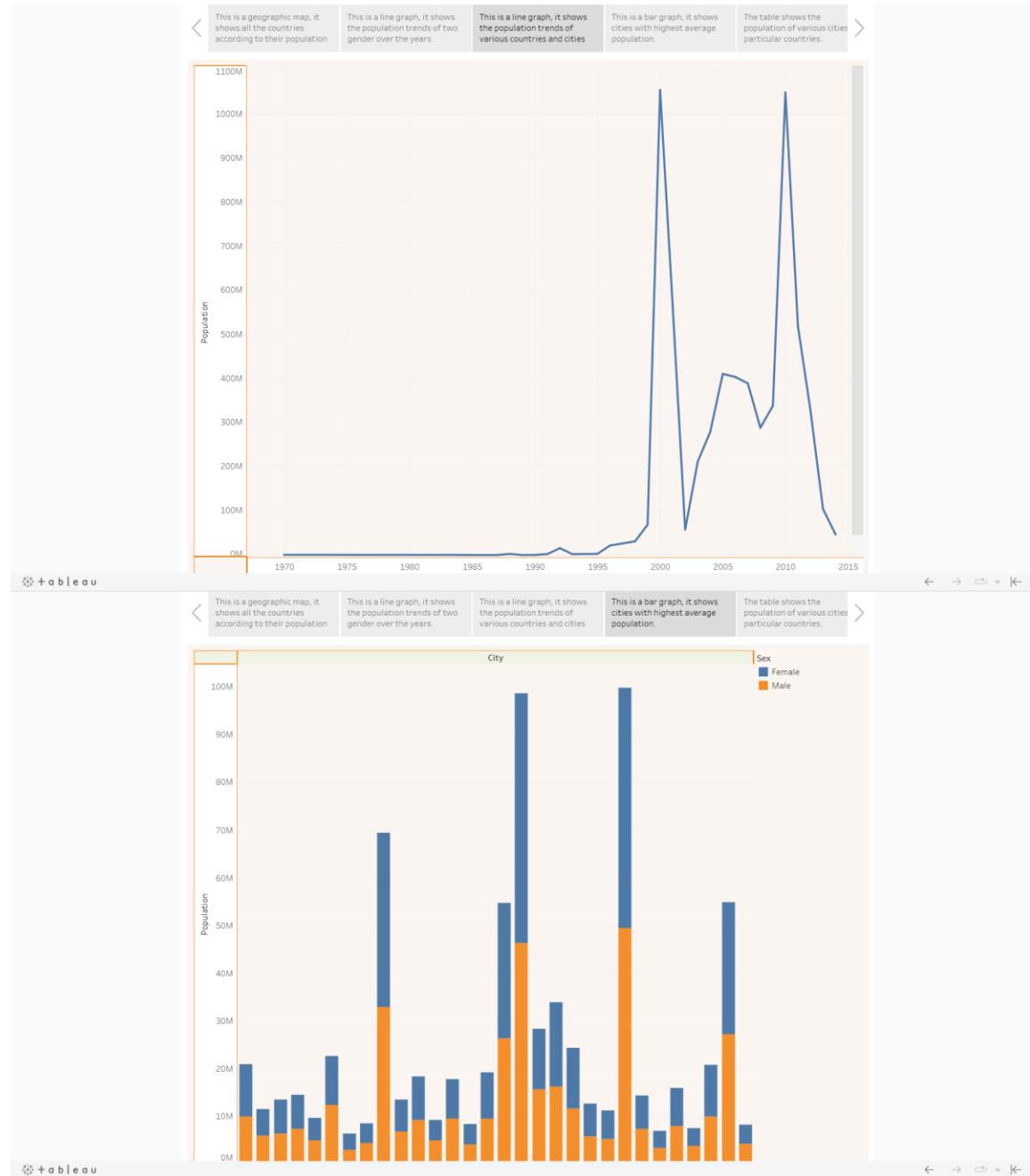
This is a bar graph, it shows cities with highest average population.

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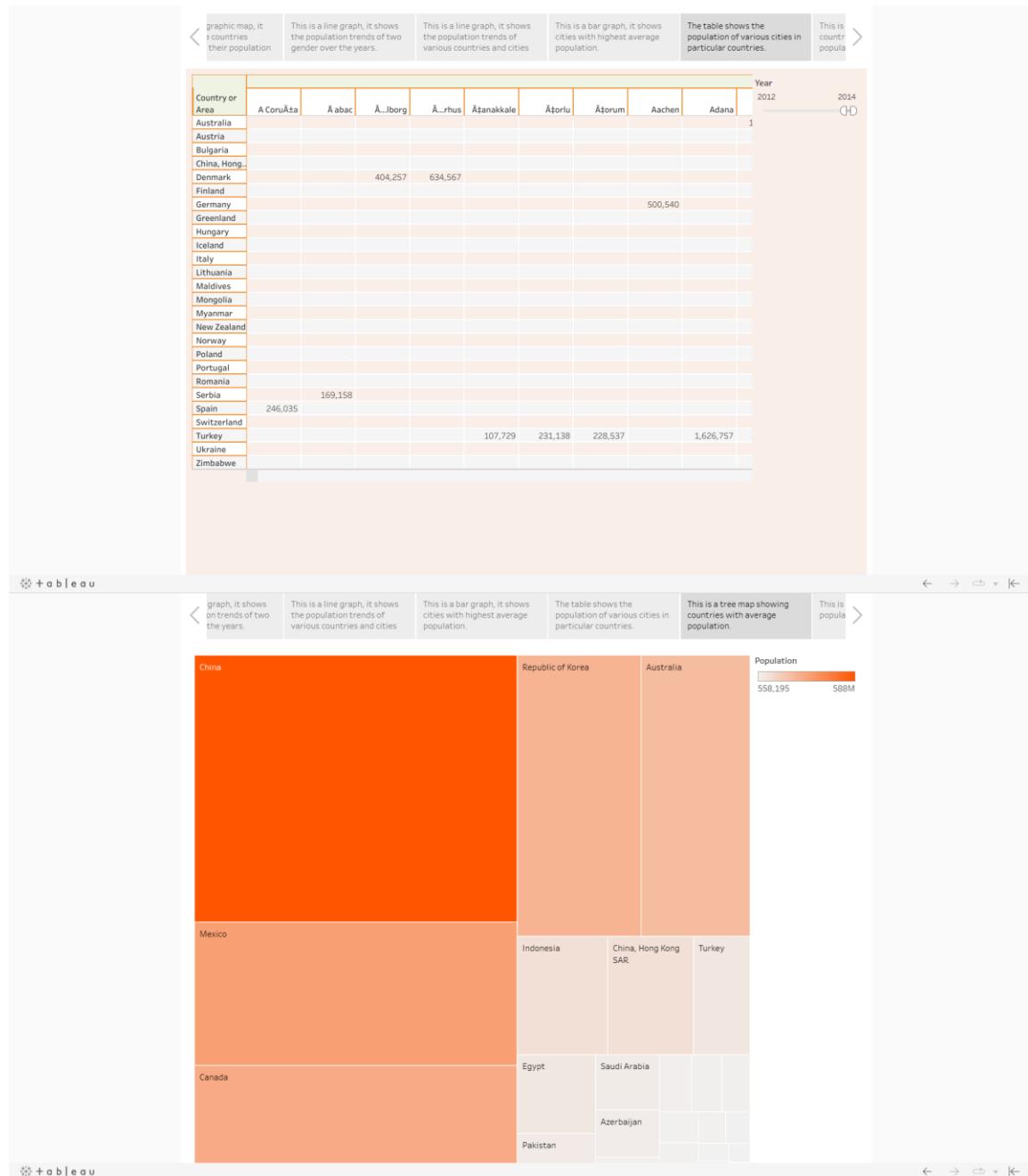


+ tableau

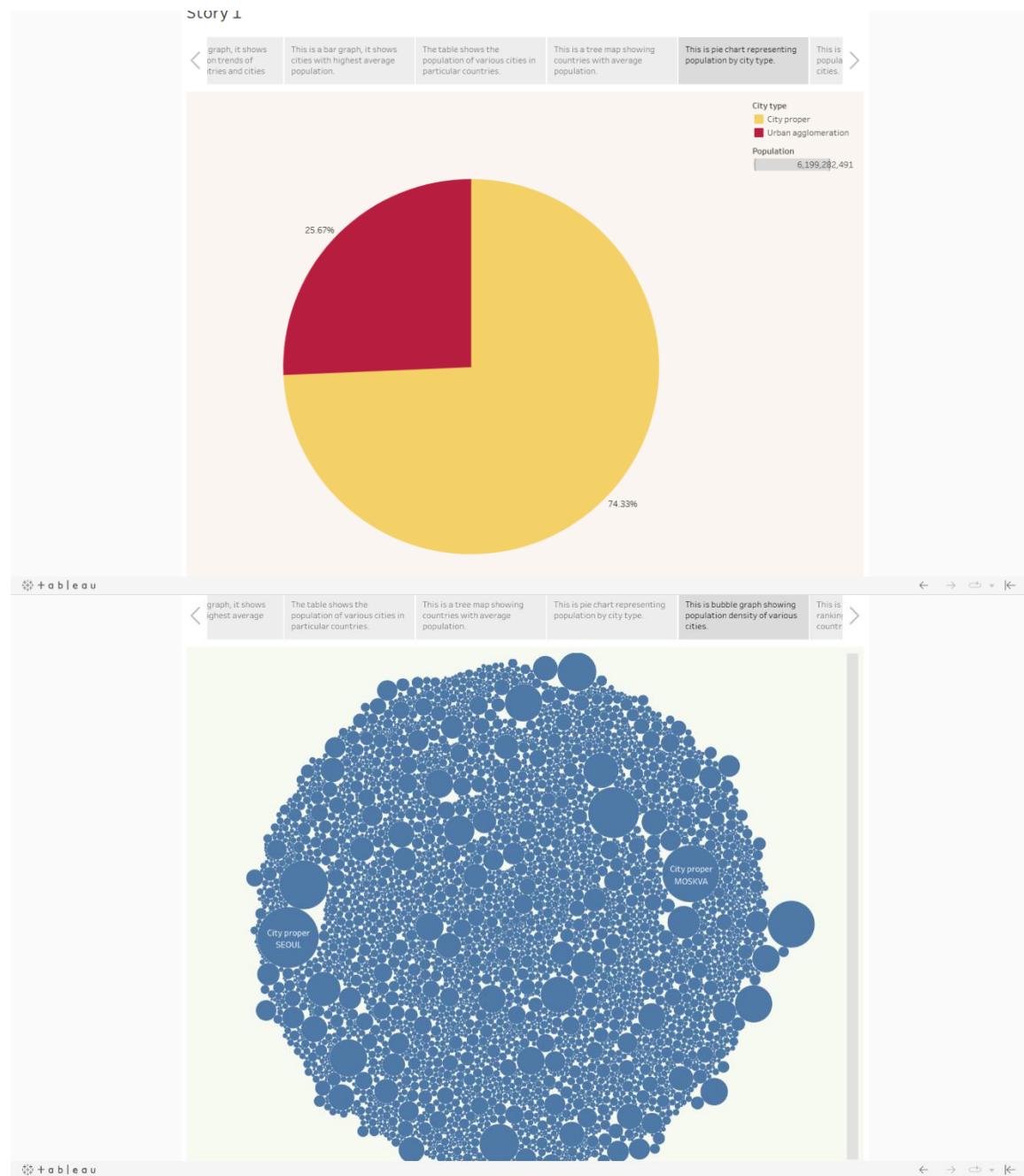
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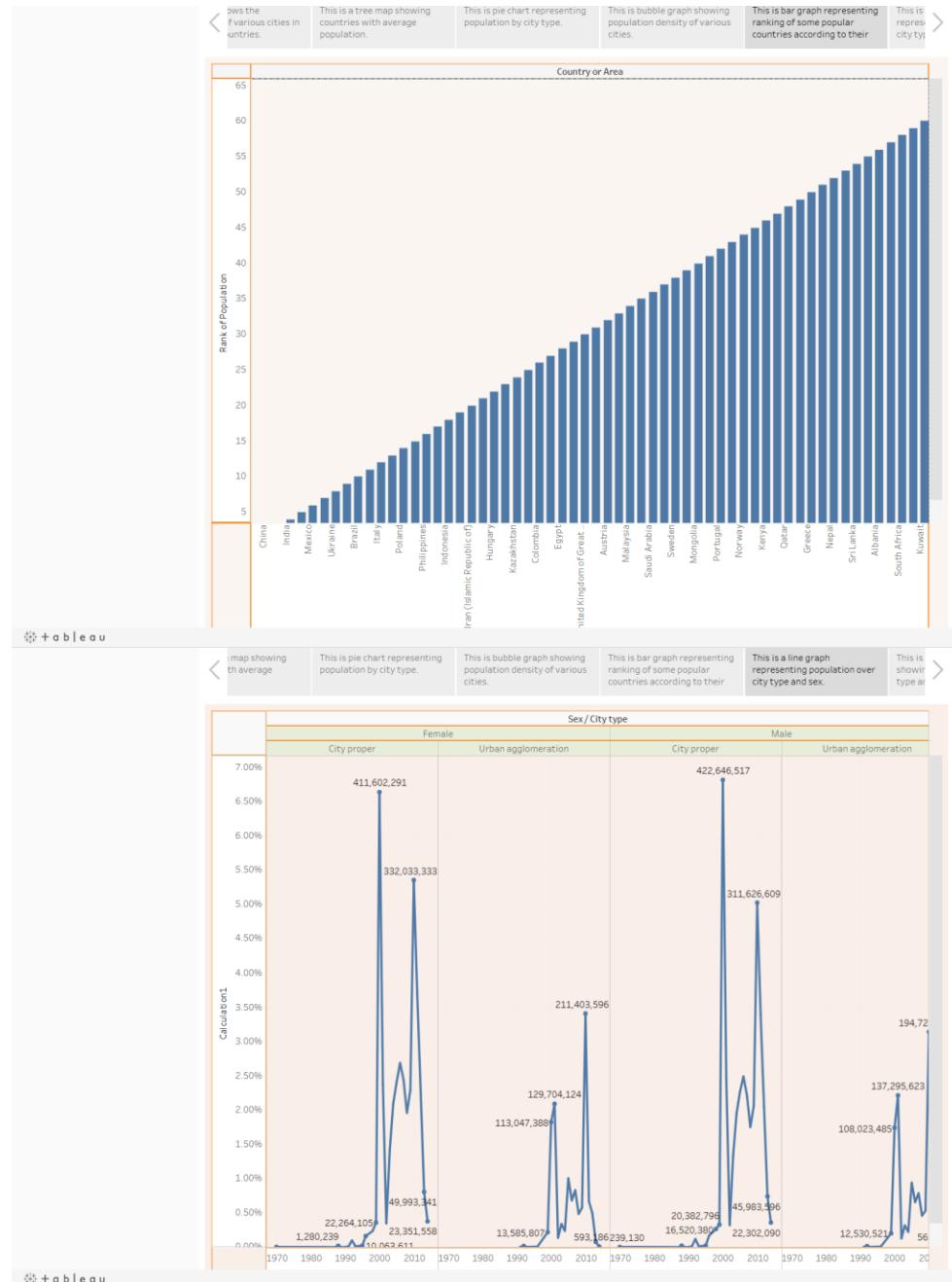
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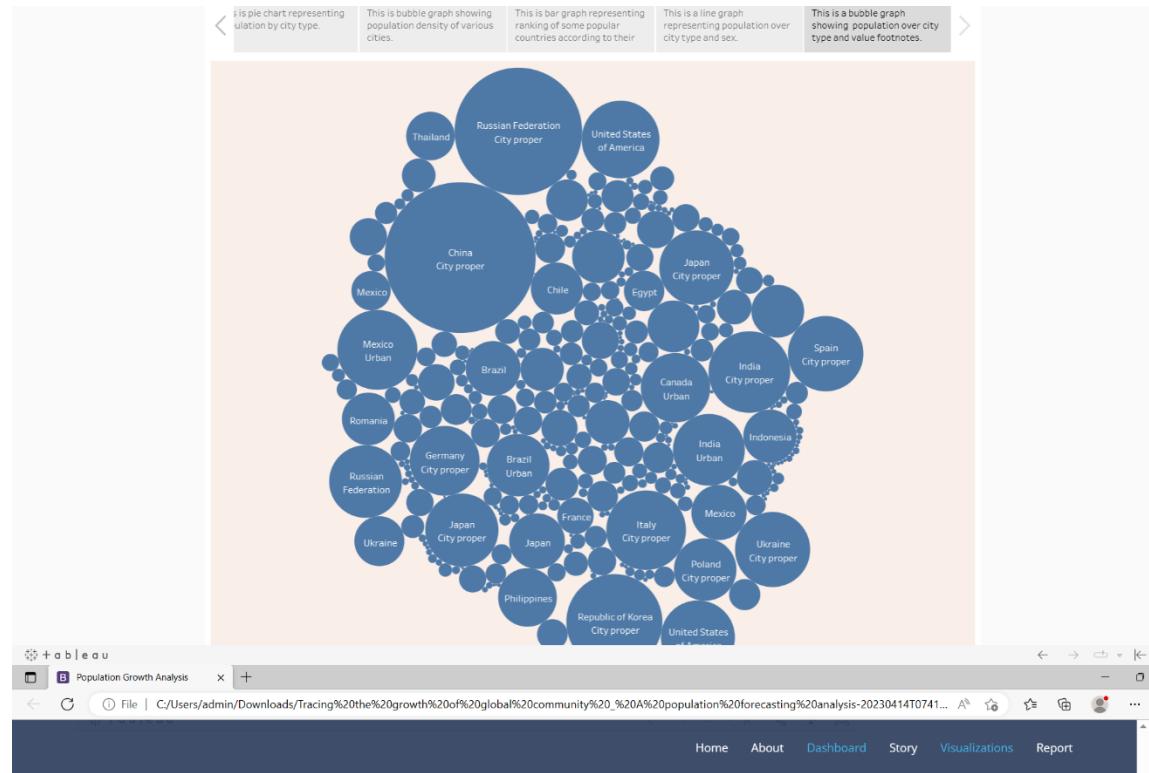
Project Report Template



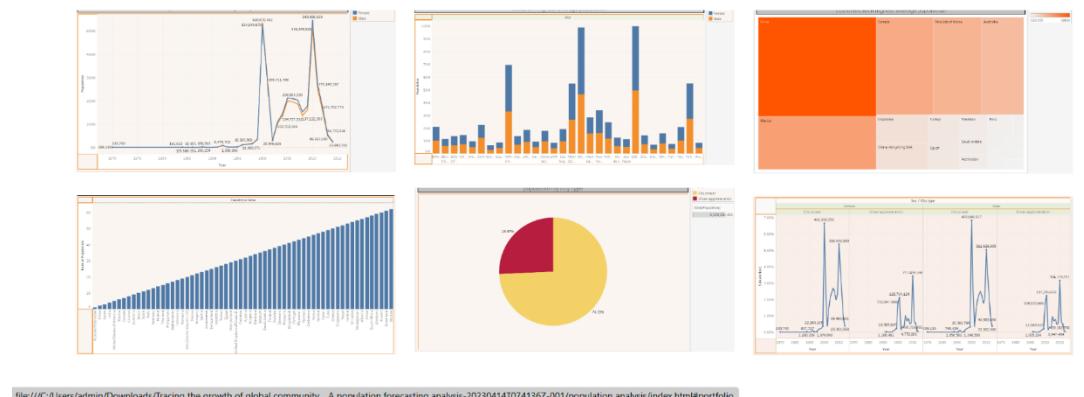
Project Report Template



Project Report Template



VISUALIZATIONS



Project Report Template

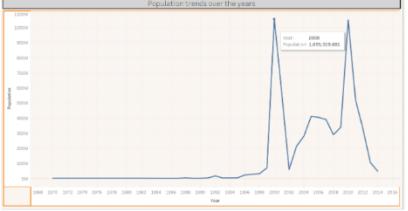
REPORT

Population trends over the years

Rate of population growth is moderate from 1970 to 1998.

There is a sudden increase in the rate of population growth in 2000, the year in which the population reaches 100M.

After few years the population rate again reaches 100M in 2010.



Population growth rate ranking of some popular countries

After few years the population rate again reaches 100M in 2010.



Russian Federation ranks first in population growth rate.
 Bhutan ranks 62nd in population growth rate.
 India ranks 4th in population growth rate.

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Designed by Indra Prakash

4 ADVANTAGES & DISADVANTAGES

4.1 Advantages

- Population growth will lead to economic expansion due to more productivity.
- Provides many opportunities for businesses to capitalise on given its vast consumer base.
- More scope for innovation, invention and creative genius.
- Increase in economies of scale and greater specialization.

4.2 Disadvantages

Project Report Template

- Increase in pollution.
- Population growth leads to a greater consumption of non-renewable resources.
- Low quality of life.
- Exacerbates global warming.
- Population growth results in increase in risk of disasters and pandemic.

5 APPLICATIONS

- Population growth reports are useful in demographic and socioeconomic analysis.
- It is also applicable for the estimation of migration, geodemographics and population projection.
- Population growth rate is useful in the field of economic development as it helps in expansion of tax bases and increase in innovations in businesses.

6 CONCLUSION

The population growth is increasing rapidly in various countries which will have serious effects on the livelihood of human beings such as the suffering of the people for the basic needs such as food, water, shelter and job. The visualizations in the above result shows the population growth of various countries on various cities on various categories.

7 FUTURE SCOPE

In future we can able get new innovations and new ideas to limit the usage of natural and non-renewable resources which are the basic needs for human survival. Also the population growth results in the economic development of a country through which various ideas for the improvement of country can be executed.

8 APPENDIX

A. Source Code

```
<!DOCTYPE  
E html>  
<html lang="en">  
<head>
```

Project Report Template

```
<meta charset="utf-8">
<meta content="width=device-width, initial-scale=1.0" name="viewport">
<title>Population Growth Analysis</title>
<meta content="" name="description">
<meta content="" name="keywords">
<!-- Favicons -->
<link href="assets/img/favicon.png" rel="icon">
<link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">
<!-- Google Fonts -->
<link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i&subset=latin&display=block" rel="stylesheet">
<!-- Vendor CSS Files -->
<link href="assets/vendor/aos/aos.css" rel="stylesheet">
<link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
<link href="assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
<link href="assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
<link href="assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
<link href="assets/vendor/remixicon/remixicon.css" rel="stylesheet">
<link href="assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">
<!-- Template Main CSS File -->
<link href="assets/css/style.css" rel="stylesheet">
<!-- ===== -->
* Template Name: Arsha - v4.10.0
* Template URL: https://bootstrapmade.com/arsha-free-bootstrap-html-template-corporate/
* Author: BootstrapMade.com
* License: https://bootstrapmade.com/license/
<!-- ===== -->
</head>
<body>
<!-- ===== Header ===== -->
<header id="header" class="fixed-top">
<div class="container d-flex align-items-center justify-content-between">
<h1 class="logo"></h1>
<!-- Uncomment below if you prefer to use an image logo -->
<!-- <a href="index.html" class="logo me-auto"></a> -->
<nav id="navbar" class="navbar">
<ul>
<li><a class="nav-link scrollto active" href="#hero">Home</a></li>
<li><a class="nav-link scrollto" href="#about">About</a></li>
```

Project Report Template

```
<li><a class="nav-link scrollto" href="#dash">Dashboard</a></li>
<li><a class="nav-link scrollto" href="#services">Story</a></li>
<li><a class="nav-link scrollto" href="#portfolio">Visualizations</a></li>
<li><a class="nav-link scrollto" href="#report">Report</a></li>
</ul>
<i class="bi bi-list mobile-nav-toggle"></i>
</nav>
<!-- .navbar -->
</div>
</header>
<!-- End Header -->
<!-- ===== Hero Section ===== -->
<section id="hero" class="d-flex align-items-center">
<div class="container">
<div class="row">
<div class="col-lg-6 d-flex flex-column justify-content-center pt-4 pt-lg-0 order-2 order-lg-1" data-aos="fade-up" data-aos-delay="200">
<h1>Welcome to Population Growth Analysis</h1>
<h2>World population has been rising continuously around the 1350s and grew rapidly during mainly due to medical advancements and increases in agricultural productivity.</h2>
<div class="d-flex justify-content-center justify-content-lg-start">
<a href="#about" class="btn-get-started scrollto">Get Started</a>
<a href="https://www.youtube.com/watch?v=jDDaplaOz7Q" class="glightbox btn-watch-video">Watch Video</a>
</div>
</div>
<div class="col-lg-6 order-1 order-lg-2 hero-img" data-aos="zoom-in" data-aos-delay="200">
<img alt="Hero image showing a world map with population density data." data-bbox="113 380 896 650" alt="Hero image showing a world map with population density data." data-bbox="113 380 896 650"/>
</div>
</div>
</div>
</section>
<!-- End Hero -->
<main id="main">
<!-- ===== Clients Section ===== -->
<!-- End Cliens Section -->
<!-- ===== About Us Section ===== -->
<section id="about" class="about">
<div class="container">
<div class="section-title">
<h2>About Us</h2>
</div>
```

Project Report Template

```
<div class="row content">
<div class="col-lg-12">
<p>
Population analysis is needed to identify problems and community needs, establish goals and objectives, and evaluate the ability of the plan to achieve goals and objectives.
</p>
<p>
The UN population division report of 2022 projects world population to continue growing after peaking around 2050 at about 9.7 billion people.
<p>There are two important relationships that help explain how the level of development of a country affects its population growth rate. One is the relationship between economic development and population growth. The other is the relationship between population growth and economic development. These two relationships are closely linked and interact with each other.
</div>
</div>
</div>
</section>
<!-- End About Us Section -->
<!-- ===== Why Us Section ===== -->
<section id="dash" class="">
<div class="container-fluid" data-aos="fade-up">
<div class="section-title">
<h2>Dashboard</h2>
</div>
<div class='tableauPlaceholder' id='viz1681630833506' style='position: relative'><noscript><a href="https://public.tableau.com/views/KT4C6WB/SharedDashboard?embed=true">View in Browser</a></noscript><object style="display:none;" type="text/html"><param name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2Fvizhome%2FKT4C6WB%2FSharedDashboard' /><param name='toolbar' value='yes' /><param name='static_image' value='https://public.tableau.com/static/images/KT4C6WB/SharedDashboard.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='language' value='en-US' /><param name='showShareOptions' value='false' /></object></div> <script type='text/javascript'> var divElement = document.getElementById("viz1681630833506"); if (divElement.offsetWidth > 800) { vizElement.style.width='1000px';vizElement.style.height='727px';} else { vizElement.style.width='1000px';vizElement.style.height='727px';} else { vizElement.style.width='1000px';vizElement.style.height='727px';} scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js'; vizElement.parentNode.appendChild(scriptElement);</script>
<param name='tabs' value='no' /><param name='toolbar' value='yes' />
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<param name='animate_transition' value='yes' />
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<param name='display_count' value='yes' />
<param name='language' value='en-US' />
<param name='showShareOptions' value='false' />
</object>
```

Project Report Template

```
</div>
<script type='text/javascript'>
var divElement = document.getElementById('viz1672205035633');
var vizElement = divElement.getElementsByTagName('object')[0];
if (divElement.offsetWidth > 800) {
    vizElement.style.width = '100%';
    vizElement.style.height = (divElement.offsetWidth * 0.75) + 'px';
} else if (divElement.offsetWidth > 500) {
    vizElement.style.width = '90%';
    vizElement.style.height = (divElement.offsetWidth * 0.75) + 'px';
} else {
    vizElement.style.width = '100%';
    vizElement.style.height = '1477px';
}
var scriptElement = document.createElement('script');
scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);
</script>
</div>

<!-- End Why Us Section -->
<section id="services" class="services">
<div class="container" data-aos="fade-up">
<div class="section-title">
<h2>Story</h2>
</div>
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Project Report Template

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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>
</div>
</section>
<!-- ===== Skills Section ===== -->
<!-- End Skills Section -->
<!-- End Services Section -->
<!-- ===== Cta Section ===== -->
<!-- End Cta Section -->
<!-- ===== Portfolio Section ===== -->
<section id="portfolio" class="portfolio">
<div class="container" data-aos="fade-up">
<div class="section-title">
<h2>Visualizations</h2>
</div>
<div class="row portfolio-container">
<div class="col-lg-4 col-md-6 portfolio-item filter-web">
<div class="portfolio-wrap">

<div class="portfolio-info">
<h4>Image 1 </h4>
<div class="portfolio-links">
<a href="assets/img/portfolio/p1.jpg" data-gallery="portfolioGallery" class="portfolio-lightbox">
</div>
</div>
</div>
</div>
<div class="col-lg-4 col-md-6 portfolio-item filter-web">
```

Project Report Template

```
<div class="portfolio-wrap">

<div class="portfolio-info">
<h4>Image 2 </h4>
<div class="portfolio-links">
<a href="assets/img/portfolio/p1.jpg" data-gallery="portfolioGallery" class="portfolio-lightbox">
</div>
</div>
</div>
</div>
<div class="col-lg-4 col-md-6 portfolio-item filter-web">
<div class="portfolio-wrap">

<div class="portfolio-info">
<h4>Image 3 </h4>
<div class="portfolio-links">
<a href="assets/img/portfolio/p1.jpg" data-gallery="portfolioGallery" class="portfolio-lightbox">
</div>
</div>
</div>
</div>
<div class="col-lg-4 col-md-6 portfolio-item filter-web">
<div class="portfolio-wrap">

<div class="portfolio-info">
<h4>Image 5</h4>
<div class="portfolio-links">
<a href="assets/img/portfolio/p5.jpg" data-gallery="portfolioGallery" class="portfolio-lightbox">
</div>
</div>
</div>
</div>
<div class="col-lg-4 col-md-6 portfolio-item filter-web">
<div class="portfolio-wrap">

<div class="portfolio-info">
<h4>Image 6</h4>
<div class="portfolio-links">
<a href="assets/img/portfolio/p5.jpg" data-gallery="portfolioGallery" class="portfolio-lightbox">
</div>
```



```
<br>
<br>

<div class="row content">
<div class="col-md-5" data-aos="fade-right">

</div>
<div class="col-md-7 pt-5" data-aos="fade-left">
<h3>Population growth rate ranking of some popular countries</h3>
<br>
<p class="fst-italic">
    Russian Federation ranks first in population growth rate.
</p>
<p class="fst-italic">
    Bhutan ranks 62nd in population growth rate.
</p>
<p class="fst-italic">
    India ranks 4th in population growth rate.
</p>
</div>
<br>

</div>
</div>
</div>

</section>
<!-- End Portfolio Section -->
<!-- ===== Team Section ===== -->
<!-- End Team Section -->
<!-- ===== Pricing Section ===== -->
<!-- End Pricing Section -->

</main>
<!-- End #main -->
<!-- ===== Footer ===== -->
<footer id="footer">

<div class="footer-top">
<div class="container">

</div>
```

```
</div>

<div class="container footer-bottom clearfix">
<div class="copyright">
&copy; Copyright <strong><span>Arsha</span></strong>. All Rights Reserved
</div>
<div class="credits">
<!-- All the links in the footer should remain intact. -->
<!-- You can delete the links only if you purchased the pro version. -->
<!-- Licensing information: https://bootstrapmade.com/license/ -->
<!-- Purchase the pro version with working PHP/AJAX contact form: https://bootstrapmade.co
Designed by <a href="https://bootstrapmade.com/">Indra Prakash</a>
<div class="social-links mt-3">
<a href="#" class="twitter"><i class="bx bxl-twitter"></i></a>
<a href="#" class="facebook"><i class="bx bxl-facebook"></i></a>
<a href="#" class="instagram"><i class="bx bxl-instagram"></i></a>
<a href="#" class="google-plus"><i class="bx bxl-skype"></i></a>
<a href="#" class="linkedin"><i class="bx bxl-linkedin"></i></a>
</div>
</div>
</div>
</footer>
<!-- End Footer -->
<div id="preloader"></div>
<a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i class="bi bi-up"></i></a>
<!-- Vendor JS Files -->
<script src="assets/vendor/aos/aos.js"></script>
<script src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="assets/vendor/glightbox/js/glightbox.min.js"></script>
<script src="assets/vendor/isotope-layout/isotope.pkgd.min.js"></script>
<script src="assets/vendor/swiper/swiper-bundle.min.js"></script>
<script src="assets/vendor/waypoints/noframework.waypoints.js"></script>
<script src="assets/vendor/php-email-form/validate.js"></script>
<!-- Template Main JS File -->
<script src="assets/js/main.js"></script>
</body>

</html>
```