

Tracing the Growth of the Global Community:

A Population Forecasting Analysis

1. Introduction

1.1 Overview:

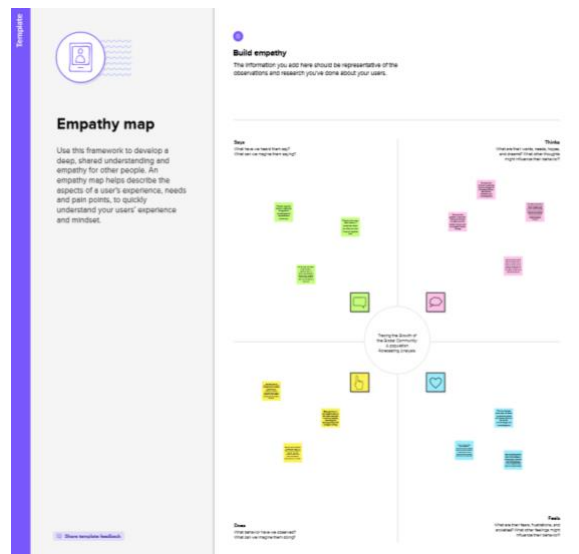
The world's population is more than three times larger than it was in the mid-twentieth century. Population forecasting refers to the calculating or predicting certain future outcomes as a result of research and analysis of records or data. Our project is about monitoring the expansion of the world's population. It is a forecasting study.

1.2 Purpose


“Big family brings big problems too”. We are working to limit India's escalating population growth.

2. Problem Definition & Design Thinking

2.1 Empathy Map




2.2 Ideation & Brainstorming Map



Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.


1. We introduce to process
2. There are 4 slides here
3. It's simple and intuitive



Before you collaborate

A little bit of preparation goes a long way into this session. Here's what you need to do to get going.


1. 10 minutes



Define your problem statement

What problem are you trying to solve? Frame your problem as how you might solve it. This will be the focus of your ideation.

1. 10 minutes




We are working to build today's exciting proposition around:

What right now is the problem you're trying to solve?

1. 10 minutes to prepare the facilitation guide

Use the facilitation guide to run the session and produce a result.


[View details](#)



Brainstorm

Write down any ideas that come to mind that address your problem statement.


1. 10 minutes



Group ideas

Take turns placing your ideas into clustering circles or related notes as you go. Once all ideas notes have been grouped, give each cluster a headline like below. If a cluster is bigger than one sticky note, try splitting it up and adding it up the problem statement.


1. 10 minutes



Brainstorm

Write down any ideas that come to mind that address your problem statement.


1. 10 minutes



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Brainstorm

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
1. 10 minutes



Brainstorm

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1. 10 minutes



Brainstorm

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Brainstorm

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Brainstorm

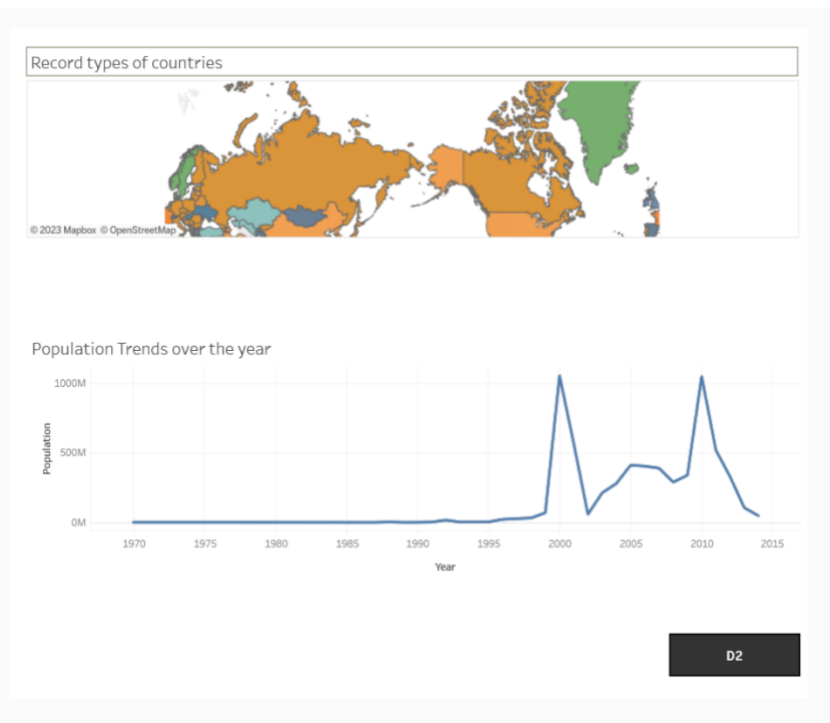
Write down any ideas that come to mind that address your problem statement.

1. 10 minutes

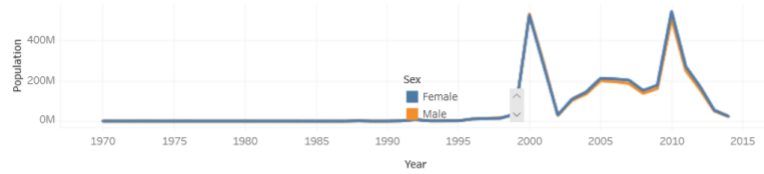
3. Result

3.1 Data Model

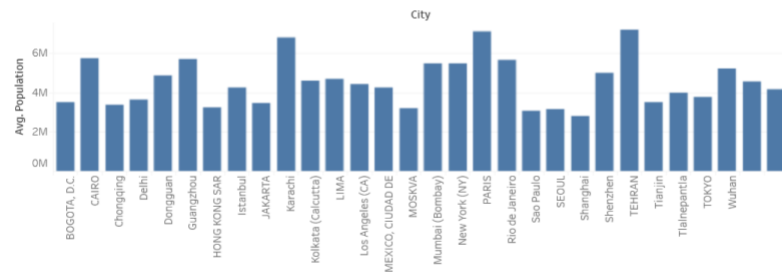
3.1.1 Dashboard



Population trends over the years by Sex



Cities with highest average populations

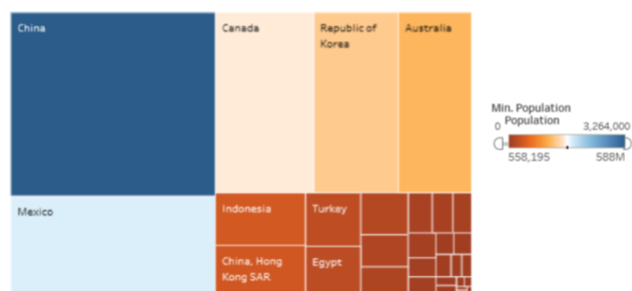


D3

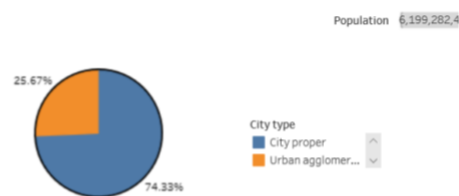
+ a b l e a u

← → ↺ ↻

Countries with highest average population



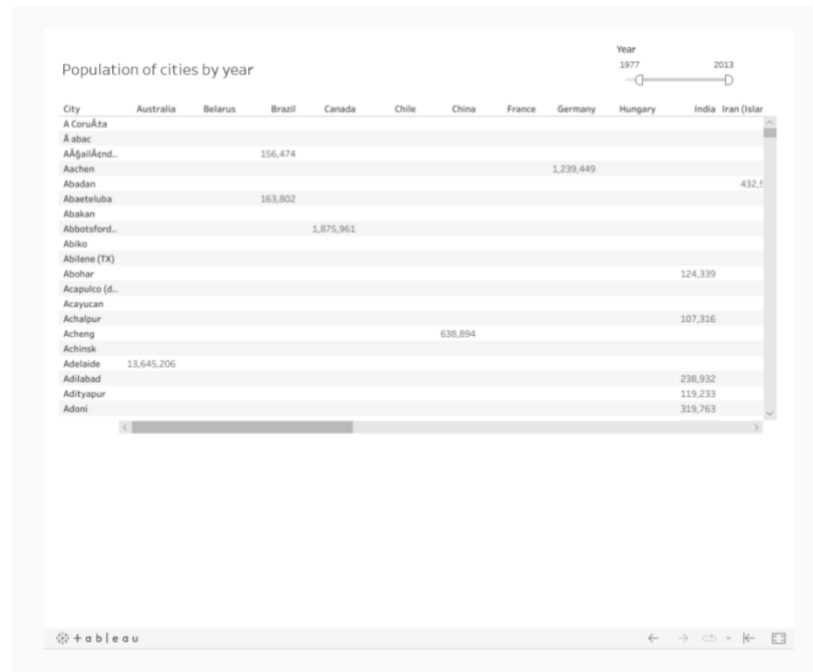
Population by city type



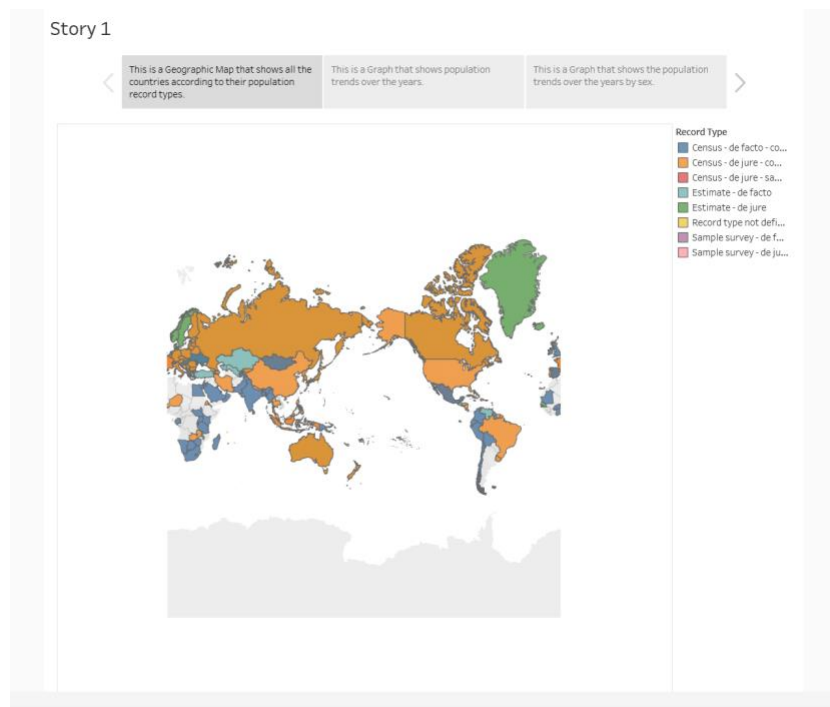
D4

+ a b l e a u

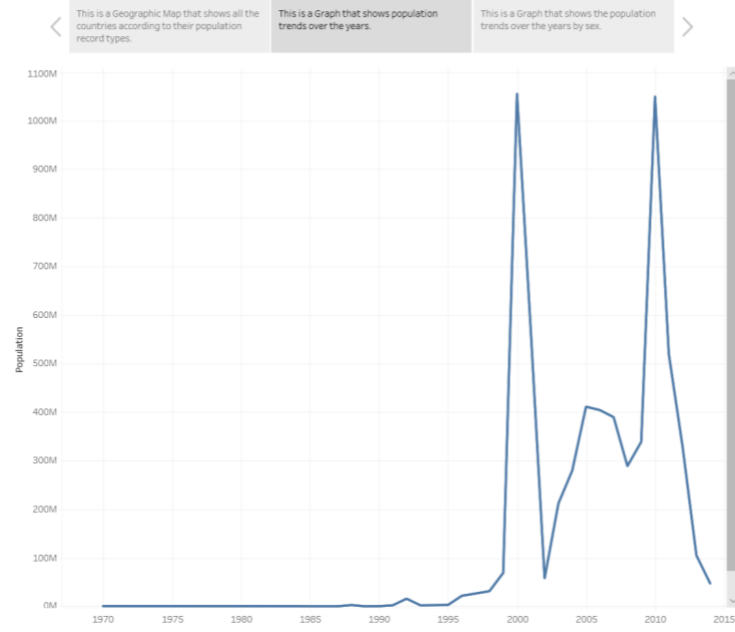
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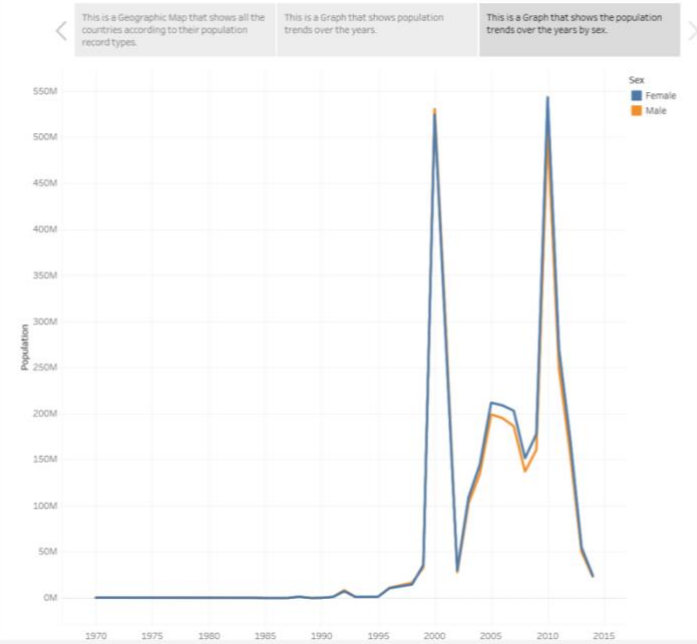
3.1.2 Story



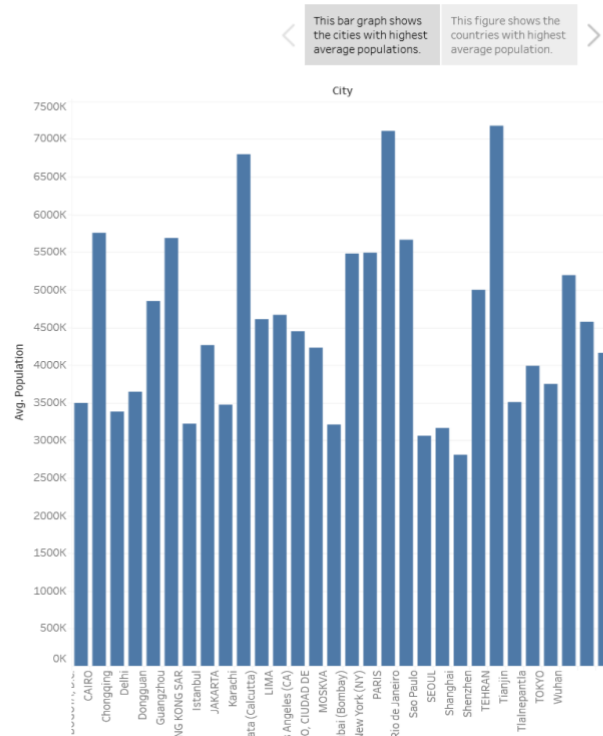
Story 1



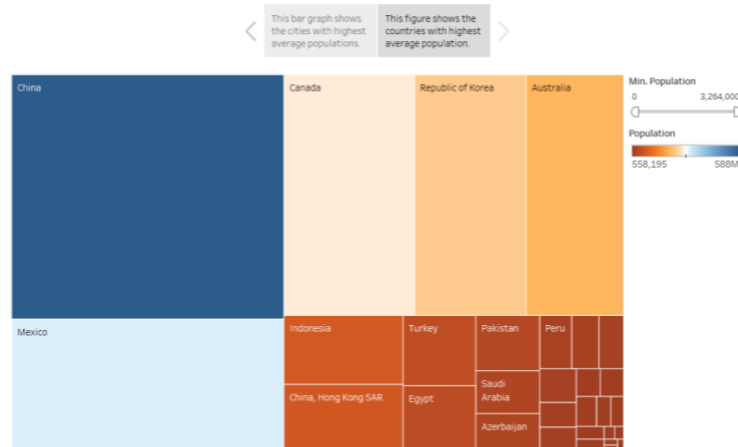
Story 1



Story 2



Story 2



Story 3

This Pie chart shows the population by city type.

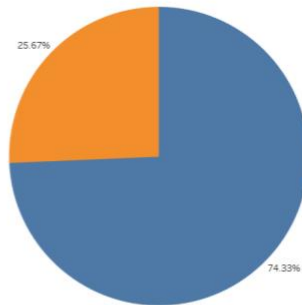
This table shows the population of cities by year.

City type

- City proper
- Urban agglomeration

Population

6,199,282,491



Story 3

This Pie chart shows the population by city type.

This table shows the population of cities by year.

[illegible]

4. Advantages and Disadvantages

4.1 Advantages

- Lead to economic expansion since more people can produce more goods.
- Provides many opportunities for businesses to capitalize on, given its vast consumer base.
- Rapid population decreases Social Infrastructure.
- Increasing military power.
- Increased productivity through specialization.

4.2 Disadvantages

- Unequal distribution of earnings and inequalities.
- Transforms the economy into unemployment.
- Result in deforestation.
- Cause climate change.
- Bring about illiteracy.

5. Applications

- ❖ Stop child marriages.
- ❖ Avoid illegal migration.
- ❖ Control birth rate.

6. Conclusion

Through the examination of population expansion, we get the conclusion that excessive population is the root cause of all current environmental issues. A finite world can support only a finite population. Therefore we must lessen the population boom.

7. Future Scope

To reduce population, more sustainable options include encouraging women to have fewer children. Educating the masses especially the people living in rural areas is another important aspect of controlling population as the people have to be made aware of the harmful consequences of overpopulation as well as the benefits of using contraceptive methods. The

option of adoption should be popularized as there are many children who do not have families to take care of them.

8. Appendix

A. Source Code

1. Dashboard

[file:///C:/Users/ASHIKA/Desktop/Tracing%20the%20growth%20of%20global%20community%20_%20A%20population%20forecasting%20analysis-20230414T063908Z-001/Tracing%20the%20growth%20of%20global%20community%20_%20A%20population%20forecasting%20analysis/dashboard\(Main%20File\).html](file:///C:/Users/ASHIKA/Desktop/Tracing%20the%20growth%20of%20global%20community%20_%20A%20population%20forecasting%20analysis-20230414T063908Z-001/Tracing%20the%20growth%20of%20global%20community%20_%20A%20population%20forecasting%20analysis/dashboard(Main%20File).html)

2. Story

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