

## Tracing The Growth Of The Global Community: A Population Forecasting Analysis

Date	17 March 2023
Team ID	NM2023TMID04794
Project Name	Tracing The Growth Of The Global Community: A Population Forecasting Analysis

### Brainstorm & Idea Prioritization Template:

Brainstorm provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions. Use this template in your own brainstorming sessions so your team can unleash their imaginations and start shaping concepts even if you're not sitting in the same room

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# 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.

- 🕒 10 minutes to prepare
- 🕒 1 hour to collaborate
- 👤 2-8 people recommended

🗨️ Share template feedback



## Before you collaborate

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

🕒 10 minutes

- A

**Team gathering**  
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
- B

**Set the goal**  
Think about the problem you'll be focusing on solving in the brainstorming session.
- C

**Learn how to use the facilitation tools**  
Use the Facilitation Superpowers to run a happy and productive session.
- [Open article](#) →

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## Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

🕒 5 minutes

PROBLEM

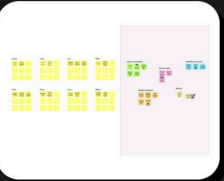
Tracing the Growth of the Global Community: A Population Forecasting Analysis



### Key rules of brainstorming

To run an smooth and productive session

- Stay in topic.
- Encourage wild ideas.
- Defer judgment.
- Listen to others.
- Go for volume.
- If possible, be visual.



### Need some inspiration?

See a finished version of this template to kickstart your work.

[Open example](#) →

## Brainstorm

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

 10 minutes

**TIP**



You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

★ Ananda Valli G

Progress in poverty reduction, greater equality, better nutrition, universal education, and health care, needs state support and strong civil society institutions

Population growth rate is affected by birth rates, death rates, immigration, and emigration. If a population is given unlimited amounts of food, moisture, and oxygen, and other environmental factors, it will show exponential growth.

Population growth is difficult to predict because unforeseen events can alter birth rates, death rates, migration, or the resource limits on population growth.

Rapid growth has led to uncontrolled urbanization, which has produced overcrowding, destitution, crime, pollution, and political turmoil. Rapid growth has outstripped increases in food production, and population pressure has led to the overuse of arable land and its destruction.

★ Chithra S

The reliability of projections decreases over time, and projections tend to be less reliable in a period of rapid change. Projections for areas with small populations tend to be less reliable than those for areas with large populations.

A population projection gives a picture of what the future size and structure of the population by sex and age might look like. It is based on knowledge of the past trend, and, for the future, on assumptions made for three components: fertility, mortality and migration.

The population projections are attempts to show how the human population statistics might change in the future. These models use trend-based assumptions about how populations will respond to economic, social and technological forces to understand how they will affect fertility and mortality, and thus population growth.

Because of population momentum the global population will continue to grow, although at a steadily slower rate, for the remainder of this century. The main driver of long-term future population growth is projected to be the evolution of the global average fertility rate.

★ **Guru Lakshmi A**

Experts in the field of population and environment worry that his unchecked population growth may result in environmental catastrophes. A quick look at the realities on ground show that the health of our environment has deteriorated because of over population.

Increase in population has resulted in heightened demand for fuel, timber, food, clothes and shelter. To tackle this problem, the government of developing countries needs to take corrective measures.

★ Meenakshi Sundari S

For most of human history our population size was relatively stable. But with innovation and industrialization, energy, food, water, and medical care became more available and reliable.

Consequently, global human population rapidly increases and continues to do so, with dramatic impacts on global climate and ecosystems. We will need technological and social innovation help us support the world's population as we adapt to and mitigate climate and environmental changes.

Our population is rising because we can alter our environment: improved health care, hygiene, and large food supply. Humans have a carrying capacity just like other organisms. We are using more resources, producing more waste, taking up more space; we need to find a way to control population growth.

Increasing the extraction of resources from the environment, burning of fossil fuels, freshwater use for drinking, agriculture, recreation, and industrial production, ecological impacts on environments, fishing and hunting, transport of invasive species.

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## Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

 20 minutes

## Population Growth

Progress in poverty reduction, greater equality, better nutrition, universal education, and health care, needs state support and strong civil society institutions

Population growth is difficult to predict because unforeseen events can alter birth rates, death rates, migration, or the resource limits on population growth.

Population growth rate is affected by birth rates, death rates, immigration, and emigration. If a population is given unlimited amounts of food, moisture, and oxygen, and other environmental factors, it will show exponential growth.

Rapid growth has led to uncontrolled urbanization, which has produced overcrowding, destitution, crime, pollution, and political turmoil. Rapid growth has outstripped increases in food production, and population pressure has led to the overuse of arable land and its destruction.

**TIP**



Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

## Spatial Distribution

The entire development of the country depends on how effectively the population explosion is stemmed. The development of infrastructural facilities is not able to cope up with pace of a growing population.

The population projections are attempts to show how the human population statistics might change in the future. These models use trend-based assumptions about how populations will respond to economic, social and technological forces to understand how they will affect fertility and mortality, and thus population growth.

## Population Analysis

Experts in the field of population and environment worry that his unchecked population growth may result in environmental catastrophe. A quick look at the realities on ground show that the health of our environment has deteriorated because of over population.

The impact of so many people on our environment will be consumption of resources like land, food, water, fossil fuel and production of waste materials like garbage, greenhouse gases and water and air pollution.

Consequently, global human population rapidly increased, and continues to do so, with dramatic impacts on global climate and ecosystems. We will need technological and social innovation help us support the world's population as we adapt to and mitigate climate and environmental changes.

## Population Projection

A population projection gives a picture of what the future size and structure of the population by sex and age might look like. It is based on knowledge of the past births, and, for the future, on assumptions made for three components: fertility, mortality and migration.

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# Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

🕒 20 minutes

