

Ideation Phase
Brainstorm & Idea Prioritization Template

Date	12 March, 2025
Team ID	PNT2025TMID02739
Project Name	Global Food Production Trends and Analysis A Comprehensive Study from 1961 to 2023 Using Power BI
Maximum Marks	4

Brainstorm & Idea Prioritization Template

1. Objective

Clearly define the goal of the brainstorming session.

What problem are you solving?

What insights or outcomes do you want to achieve?

2. Brainstorming Ideas

Generate and categorize ideas based on different aspects of the topic.

Data & Research: Sources, collection methods, data gaps Tools &

Techniques: Software, visualization methods, predictive models

Challenges & Risks: Data limitations, technical constraints, feasibility

3. Action Plan

Short-Term Actions: Quick wins and foundational steps

Mid-Term Actions: Developing core features, refining analysis Long-Term

Actions: Advanced insights, expansion, and scaling

Would you like a customized version for a specific project?

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Template



Global Food Production Trends - Brainstorming

By using this templet we can introduce our global food production trends brainstorming concept


🕒 10 minutes to prepare
🕒 1 hour to collaborate
👥 2-3 people recommended



Before you collaborate

Before Collaborating on this session , we done little bit preparation the reviewing the key concepts , facilitator ourselves with the tools will be using, and understand the objectives will help us to get the most relevant experience . A little bit preparation gives a long long ways making our learning skills smoother and more productive

🕒 10 minutes




Team gathering

There are three team members in a team, where one is going to lead the project, another one is going to design and develop suitable visualization and third one is going to provide insights into data sources and trends.



Set the goal


The primary goal of this project is to develop a Power BI solution that accurately predicts global food availability and trends using real-time data.
To achieve a primary objectives by integrating ,cleaning ,preprocessing the data



Learn how to use the facilitation tools

Ensure every team member contributes ideas and insights. Structure the session with clear steps: idea generation, grouping, and prioritization.

[Open article](#) →



Define your problem statement

How might we leverage data visualization to uncover critical insights from global food production trends and identify key factors influencing food security and sustainability?

🕒 5 minutes






PROBLEM

How might we develop a Power BI solution to accurately predict global food availability and trends using real-time data?



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 full-sized version of this template to kickstart your work.

[Open example](#) →

Step-2: Brainstorm, Idea Listing and Grouping

1

Brainstorm

Following are some ideas which discribes our project objectives.

10 minutes

Israrahmad Gavandi

Sakshi Yadav

Global Food Availability Prediction. Use historical data and current trends to predict future food availability and shortages.

Food Trends Dashboard Use color-coded maps to represent surplus and deficit areas.

Food Price Prediction Incorporate factors like inflation, transportation costs, and supply chain disruptions.

Visualizing food production with the help of given entity.

Risk mitigation strategies to reduce food insecurity by potential crises.

Calculating yearly production the food and represent it in suitable visualization.

Saad Shaikh

Impact analysis of climate changes on crops of food.

Combine various factors like food availability, aaccessibility, and utilization into a comprehensive index...

Country wise distribution of the food .



Group ideas

Here are ideas which shared by every group member. And the clustering is also given for extra information.

20 minutes

Cluster NO 1:

Sustainable Farming

Climate change impact on crop yields

Most produced food items over the decades

Effects of economic policies on food production

Cluster No 2:

Top food-producing countries and regions

Reducing Food Wastage

Organic Farming by using natural fertilizers

Effects of economic policies on food production

Cluster No 3:

Vertical Farming growing crops in stacked layers to save space.

Reducing Food Wastage

Sustainability and food security challenges

Climate change impact on crop yields

Group Of Similar Clusters

Reducing Food Wastage

Effects of economic policies on food production

Top food-producing countries and regions

Climate change impact on crop yields



Step-3: Idea Prioritization



Prioritize

Placing our ideas on this grid to determine which ideas are important and which are feasible.

⌚ 30 minutes

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the W key on the keyboard.

