# Problem Statement

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| **Date** | **31 January 2025** |
| **Team ID** | **PNT2025TMID04755** |
| **Project Name** | **Global Food Production Trends and Analysis: A Comprehensive Study From 1961 to 2023 Using Power BI** |
| **Maximum Marks** | **4 Marks** |

## Background

Global food production plays a critical role in ensuring food security, economic stability, and sustainable resource management. However, stakeholders often struggle with accessing and interpreting large datasets related to food production trends, regional outputs, and supply-demand fluctuations.

## Challenges Identified

1. **Data Overload & Complexity:**
    - Large volumes of unstructured and scattered data make it difficult for stakeholders to derive actionable insights.
    - Lack of an integrated platform to visualize key production trends efficiently.
2. **Data Accuracy & Consistency Issues:**
    - Variations in data sources and reporting standards lead to inconsistencies.
    - Errors in raw data may result in misleading conclusions.
3. **Limited Analytical Capabilities:**
    - Traditional data analysis methods are inefficient for handling large-scale datasets.
    - Manual reporting increases errors and reduces real-time analysis potential.
4. **Decision-Making Delays:**
    - Slow access to updated food production statistics hampers timely policymaking and business decisions.
    - Stakeholders require predictive insights for future planning, which are lacking in static reports.
5. **Lack of Interactivity & Customization:**
    - Existing reporting methods do not allow users to drill down into specific regions, crops, or time periods.
    - Custom filtering and dynamic analysis options are limited.