

Project Initialization and Planning Phase

Date	28 June 2025
SkillWallet ID	SWUID20250170810
Project Name	Global Food Production Trends and Analysis: A Comprehensive Study from 1961 to 2023 Using Power BI
Maximum Marks	3 Marks

2.1. Define Problem Statement:

Many professionals in agriculture, policy, research, and global development face challenges when analyzing global food production trends due to fragmented data, lack of visualization, and poor accessibility. Understanding how crops have evolved across regions over decades is crucial for decision-making, yet the raw data is often overwhelming or inconsistent. There is a need for a centralized, intuitive, and interactive platform that brings historical production data to life through visual storytelling. Such a tool can help users track trends, compare crops, evaluate regional outputs, and support sustainable agriculture decisions. By solving these issues, we create an experience that empowers users to gain meaningful insights, influence global food strategies, and foster a data-driven future in agriculture.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	An agricultural policy advisor or government planner	Understand long-term trends in food production to shape future food security strategies	The historical data is complex, fragmented, and difficult to interpret at scale	There's no centralized, interactive tool that visualizes decades of production data across regions and crops	Frustrated, overwhelmed, and uncertain in making evidence-based decisions
PS-2	A researcher or analyst studying global agriculture	Identify patterns and regional contributions to crop production over time	The datasets are too large and unstructured to draw quick, actionable insights	Most sources lack comparative visualizations and personalized dashboards	Confused, time-constrained, and limited in drawing meaningful conclusions

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-3	An agribusiness stakeholder or sustainability consultant	Use production data to inform investment and sustainability strategies	It's hard to track which regions or crops have grown consistently over time	Available data tools are either too static or don't highlight trends effectively	Disconnected, unsure, and lacking clarity in strategy development