

Business Question and Visualization Report

Date	1 July 2025
SkillWallet ID	SWUID20250170810
Project Name	Global Food Production Trends and Analysis: A Comprehensive Study from 1961 to 2023 Using Power BI
Maximum Marks	5 Marks

Visualization development refers to the process of creating graphical representations of data to facilitate understanding, analysis, and decision-making. The goal is to transform complex datasets into visual formats that are easy to interpret, enabling users to gain insights and make informed decisions. Visualization development involves selecting appropriate visual elements, designing layouts, and using interactive features to enhance the user experience. This process is commonly associated with data visualization tools and platforms, and it plays a crucial role in business intelligence, analytics, and reporting.

4.1. Framing Business Questions

No.	Business Question	Purpose
1	What is the total global production of rice, wheat, and tea between 1961 and 2023?	To understand the overall scale of staple crop production.
2	Which regions or countries are leading in green coffee production globally?	To identify dominant producers of coffee across continents.
3	How has wheat, maize, and rice production trended over the years?	To analyze temporal growth in staple food crop production.
4	What are the production volumes of fruits like apples, bananas, oranges, and avocados by region?	To compare fruit production by crop and location.
5	What are the key years with spikes or changes in maize production?	To identify milestone years for maize yield and growth.
6	Which fruit crops show the highest cumulative production across 1961–2023?	To find out the most cultivated fruits globally by volume.

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7	Which countries or regions contribute significantly to each fruit type's production?	To explore country/region-wise fruit-specific dominance.
8	What is the proportion of maize production year-wise for selected milestones (1961–2006)?	To observe year-on-year contribution using percentage-based analysis.