

Business Question and Visualization Report

Date	11 November 2025
Team ID	VIP-C3
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.

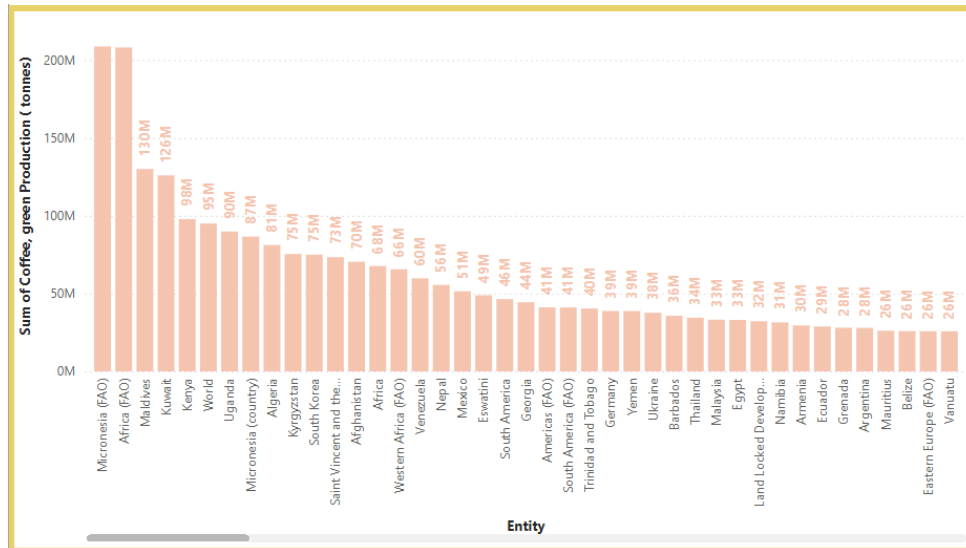
Business Questions and Visualisation

The process involves defining specific business questions to guide the creation of meaningful and actionable visualizations in Power BI. Well-framed questions help in identifying key metrics, selecting relevant data, and building visualisation that provide insights.

Sample

1. What is the Sum of Coffee, Green production in tonnes by Entity from 1961 to 2023?

- *Visualization: Stacked Colum Chart showing sum of Coffee, Green production in tonnes by Entity From 1961 to 2023.*
- *Screenshot of visualisation*



2. What is the sum of global Rice production in tonnes from 1961 to 2023?

- Visualization: Card showing global Rice production in tonnes from 1961 to 2023
- Screenshot of visualisation



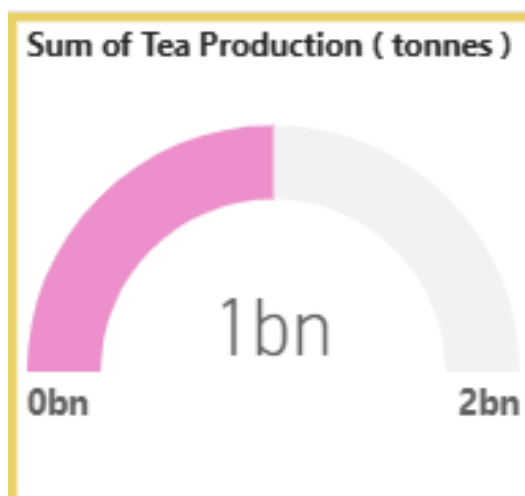
3. What is the sum of global Wheat production in tonnes from 1961 to 2023?

- Visualization: Card showing global Wheat production in tonnes from 1961 to 2023.
- Screenshot of visualisation



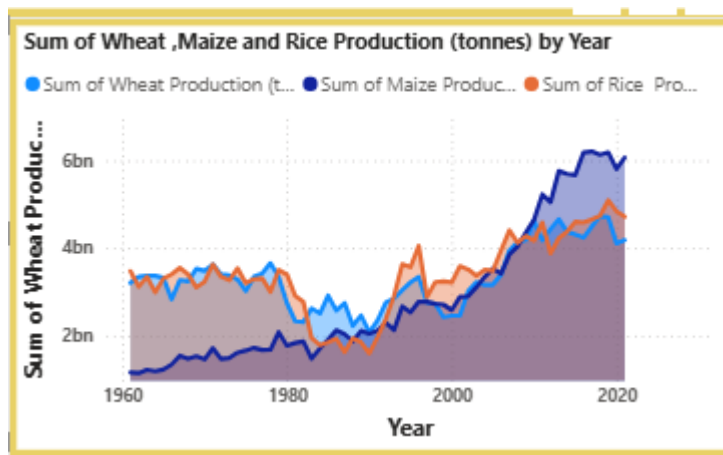
4. What is the sum of global Tea production in tonnes from 1961 to 2023?

- Visualization: *Gauge chart showing global Tea production in tonnes from 1961 to 2023.*
- *Screenshot of visualisation*



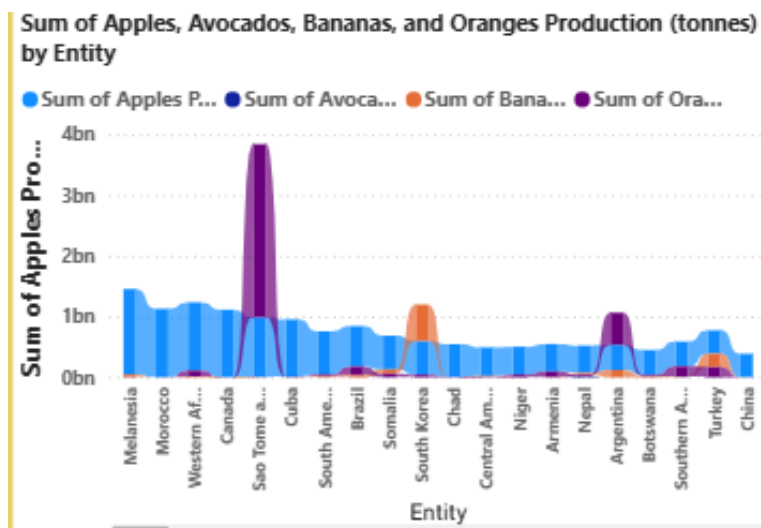
5. What is the sum of Wheat, Maize and Rice production in tonnes by year from 1961 to 2023?

- Visualization: *Area chart showing sum of Wheat, Maize and Rice production in tonnes by year from 1961 to 2023.*
- *Screenshot of visualisation*



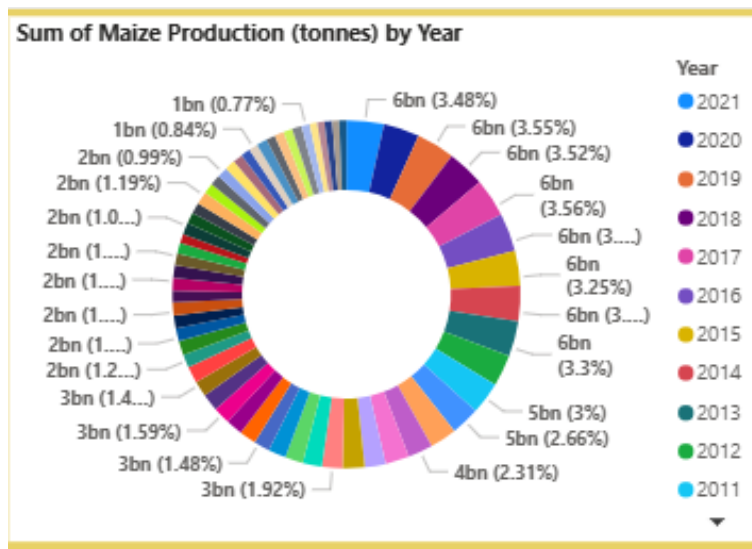
6. What is the sum of Apples, Avocados, Bananas and Oranges production in tonnes by Entity from 1961 to 2023?

- Visualization: *Stacked bar chart showing sum of Apples, Avocados, Bananas, Oranges production in tonnes by Entity from 1961 to 2023.*
- *Screenshot of visualisation*



7. What is the Sum of Maize production in tonnes by Year from 1961 to 2023?

- Visualization: *Donut chart showing sum of Maize production in tonnes by Year from 1961 to 2023.*
- *Screenshot of visualisation*



8. What is the Sum of Grapes, Apples, Bananas and Oranges production in tonnes from 1961 to 2023?

- Visualization: *Funnel chart showing sum of Grapes, Apples, Bananas and Oranges production in tonnes from 1961 to 2023.*
- Screenshot of visualisation

