Business Question and Visualization Report

Date	1 October 2025
Team ID	SWUID20250181744
Project Title	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.
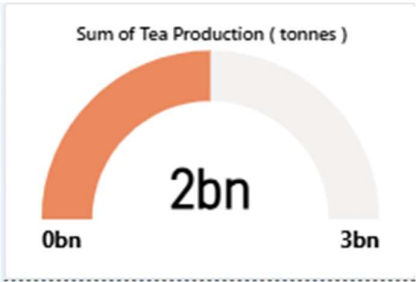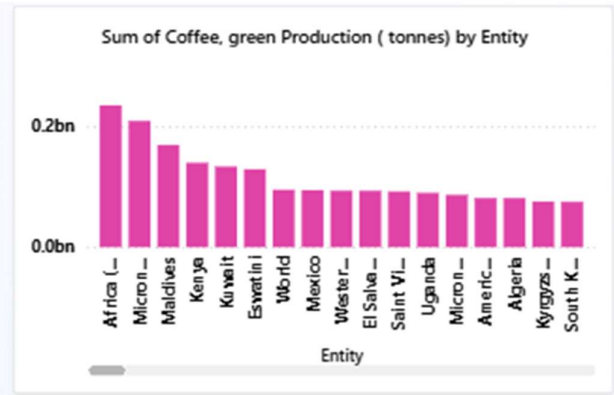
Activity 1.1: Sum of Rice Production (tonnes)
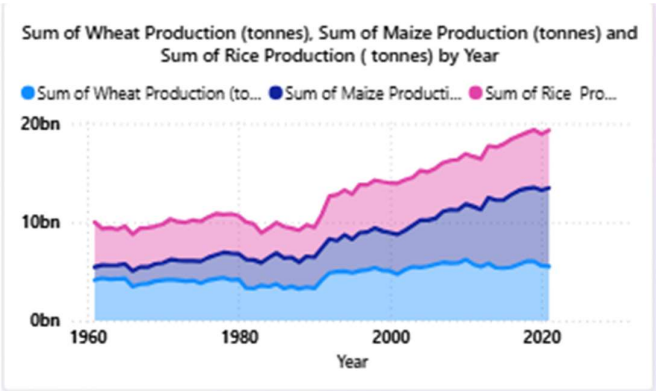

269bn
Sum of Rice Production (tonnes)

Activity 1.2: Sum of Wheat Production (tonnes)

282bn
Sum of Wheat Production (tonnes)
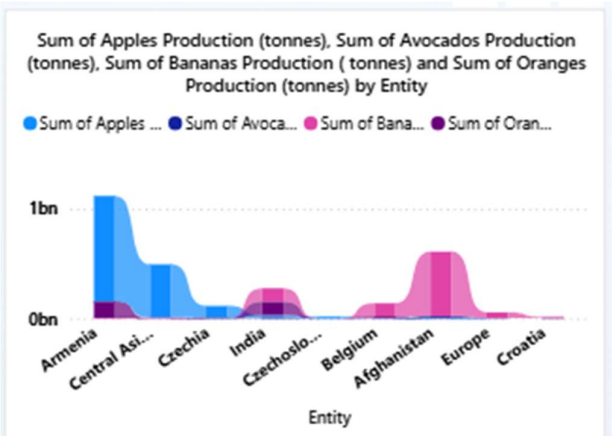
Activity 1.3: Sum of Tea Production (tonnes)

Sum of Tea Production (tonnes)

0bn

2bn

3bn

Activity 1.4: Sum of Coffee, Green Production (tonnes) by Entity

Sum of Coffee, green Production (tonnes) by Entity

0.2bn

0.0bn

Africa (...
Micron...
Maldives
Kenya
Kuwait
Eswatini
World
Mexico
Wester...
El Salva...
Saint VI...
Uganda
Micron...
Americ...
Algeria
Kyrgyzs...
South K...

Entity

Activity 1.5: Sum of Wheat, Maize, and Rice Production (tonnes) by Year

Sum of Wheat Production (tonnes), Sum of Maize Production (tonnes) and Sum of Rice Production (tonnes) by Year

● Sum of Wheat Production (to...   ● Sum of Maize Producti...   ● Sum of Rice Pro...

20bn

10bn

0bn

1960   1980   2000   2020

Year

Activity 1.6: Sum of Apples, Avocados, Bananas, and Oranges Production (tons) by Entity

Sum of Apples Production (tonnes), Sum of Avocados Production (tonnes), Sum of Bananas Production (tonnes) and Sum of Oranges Production (tonnes) by Entity

Activity 1.7: Sum of Maize Production (tonnes) by Year

Sum of Maize Production (tonnes) by Year
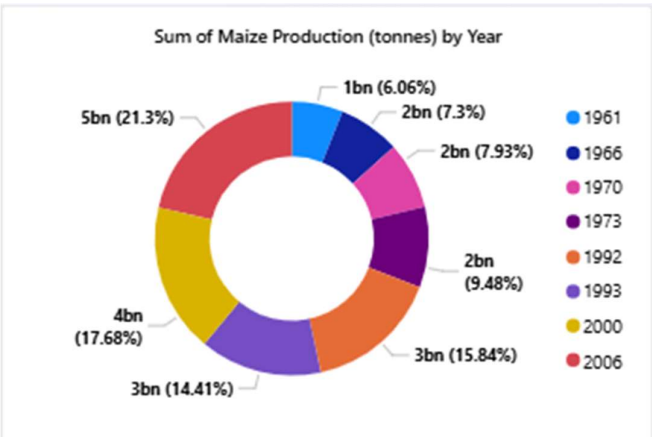
Activity 1.8: Sum of Grapes, Apples, Bananas, and Oranges Production (tonnes)

Sum of Grapes Production (tonnes), Sum of Apples Production (tonnes), Sum of Bananas Production (tonnes) and Sum of Oranges Production (tonnes)