# Business Question and Visualization Report

| Date | 1 October 2025 |
|------|----------------|
| Team ID | xxxxxx |
| 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.
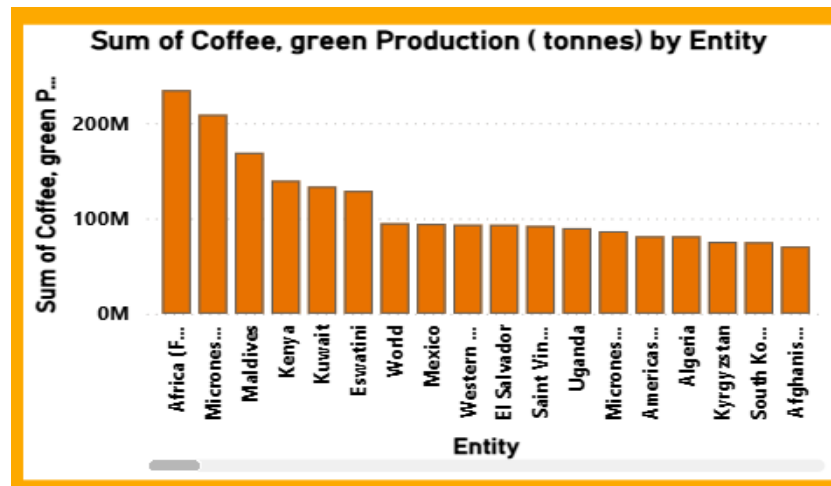
1. **What is the global average of Global Food Production Trends And Analysis (sum of the production)**
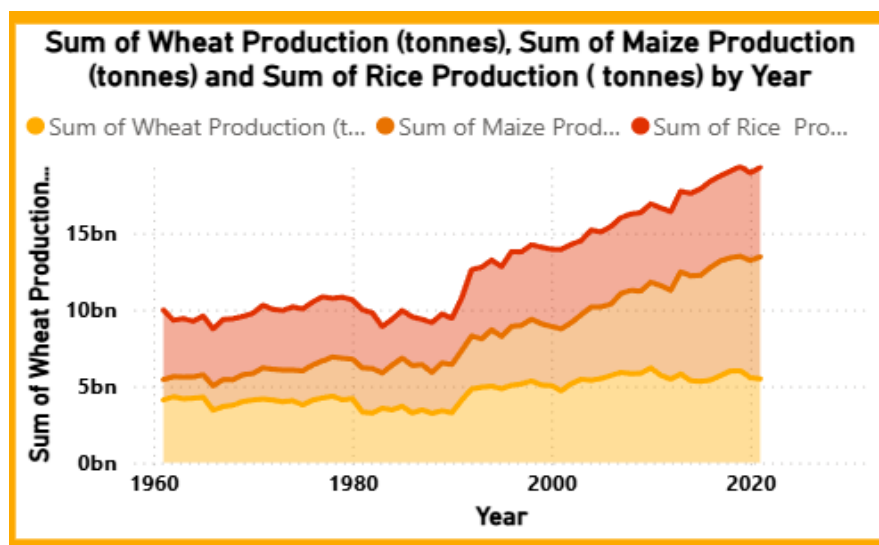   - **Visualization:** KPI Cards showing global averages



269bn
Total Rice  Production ( tonnes)

2. **Which countries have the highest sum of production ?**

   o **Visualization:** Bar chart with countries color-coded by Stunting

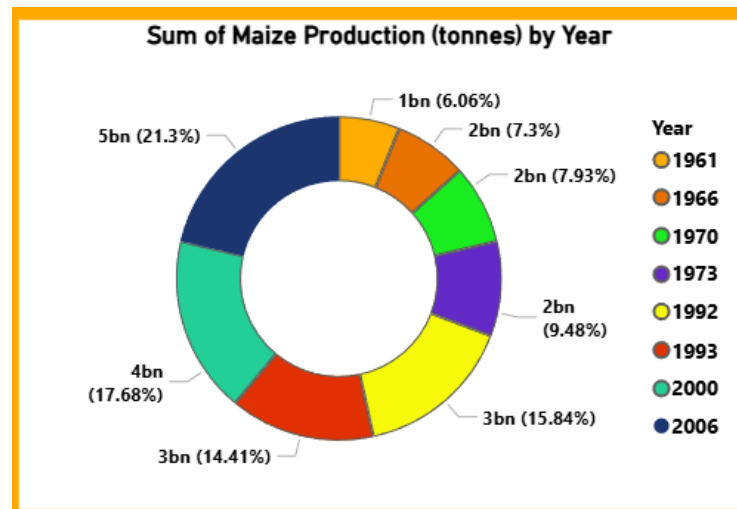Sum of Coffee, green Production ( tonnes) by Entity

### 3. What is the Global Food Production of a selected country?

**Visualization :** *area chart (Production,Year)*



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

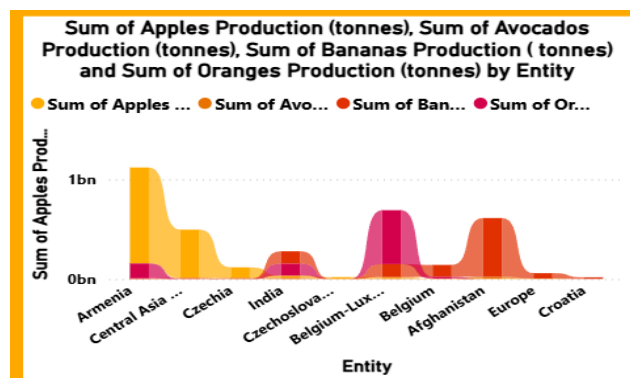### 4. What is the contribution of a country to the global production ?

**Visualization:** Donut/Pie Chart (Country's burden % of global total)

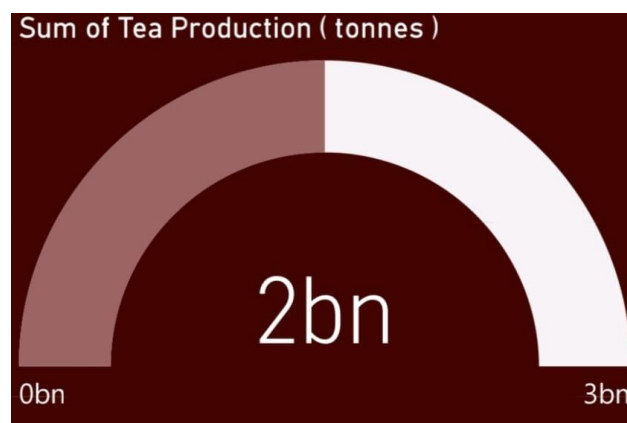**Sum of Maize Production (tonnes) by Year**

## 5. What is the contribution of a Entity to the global production ?

**Visualization:** Area chart (Country's burden)



## 6. How are the sum of tea production ?

**Visualization:** gauge (in tonnes)

**7. What is the Total wheat production?**

**Visualization : kpi card**


282bn
Total Wheat Production (tonnes)

**8.What is the production of different fruits?**

**Visualization :  funnel chart**


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

100%

Sum of Grapes Production (...  43bn

Sum of Apples Production (t...  39bn

Sum of Bananas Production ...  32bn

Sum of Oranges Production...  26bn

60.1%