

Business Question and Visualization Report

Date	30 July 2025
Team ID	xxxxxx
Project Name	Global Food Production Trends and Analysis 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 Rice Production (tonnes) ?

- *Visualization:* KPI card showing sum of rice production.



2. What is the sum of Wheat Production (tonnes) ?

- *Visualization:* KPI card showing sum of wheat production.



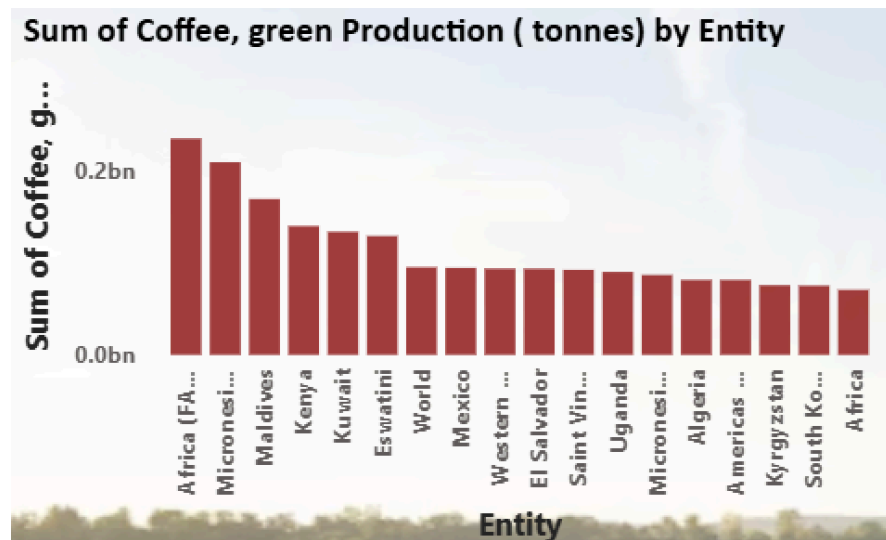
3. What is the sum of Tea Production (tonnes) ?

- *Visualization:* Gauge card showing sum of Tea Production.



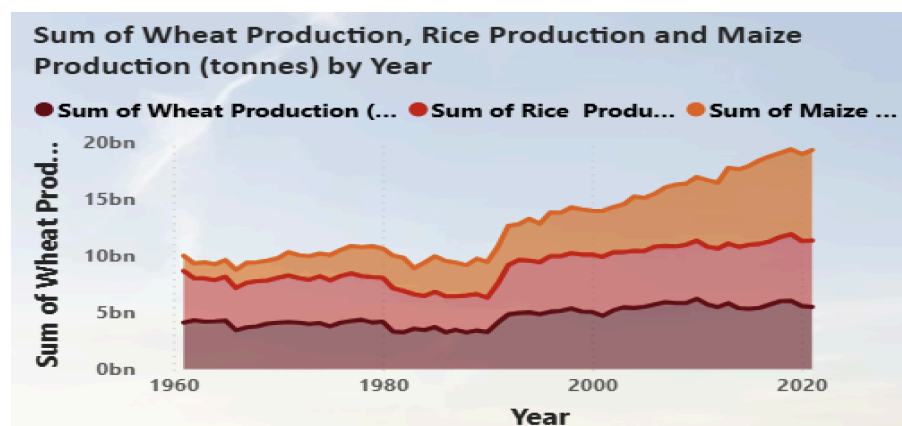
4. What is the sum of Coffee, Green Production (tonnes) by Entity ?

- *Visualization:* Stacked Bar Chart comparing sum of Coffee Production by entities (countries).



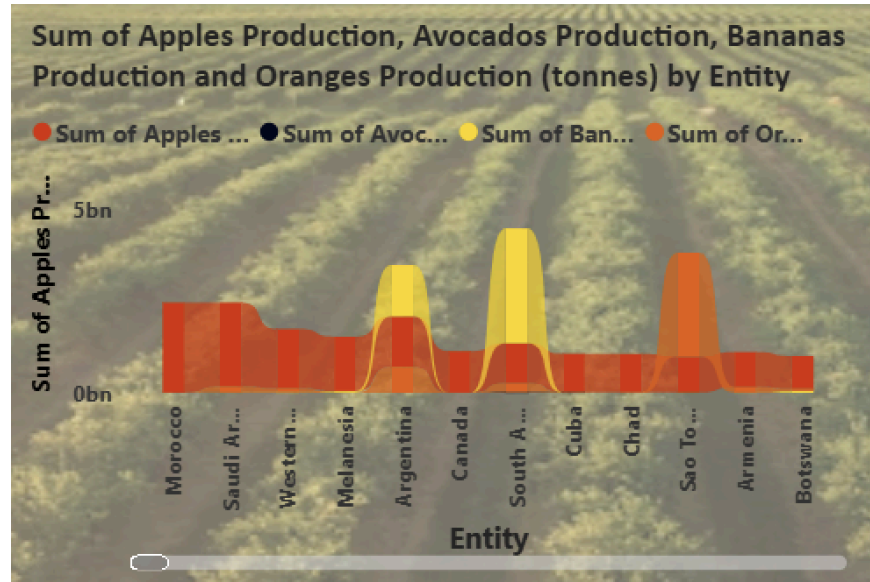
5. What is the sum of Wheat, Rice and Maize Production (tonnes) by year?

- *Visualization:* Stacked Area Chart comparing cereals (rice, wheat, maize) over decades.



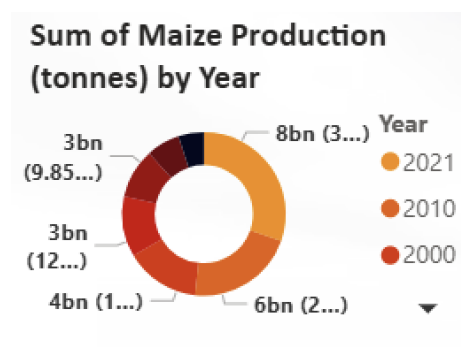
6. Which regions/countries show the highest growth in fruit production ?

- *Visualization:* Ribbon chart or bar chart showing year-wise production of bananas, grapes, oranges, etc., by country.



7. What is the sum of Maize Production (tonnes) by year ?

- *Visualization:* Donut chart showing the sum of Maize crop production in a specific year.



8. What is the sum of Grapes, Apples, Bananas and Oranges Production (tonnes) ?

- *Visualization:* Funnel Chart showing sum of Grapes, Apples, Bananas and Oranges Production.

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



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