

Business Question and Visualization Report

Date	28 July 2025
Team ID	RK
Project Name	Global Malnutrition Trends: A Power BI Analysis (1983–2019)
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

1. **What is the total number of under-five (U5) population observations in the dataset?**

Visualization: Card or KPI chart showing count of U5 population (140)

Screenshot of visualisation

2. **What is the total sum of survey samples collected globally between 1983–2019?**

Visualization: Card or KPI chart displaying total survey sample (11M)

Screenshot of visualisation

3. **Which countries report the highest number of underweight children under five?**

Visualization: Bar chart ranking countries by sum of underweight children

Screenshot of visualisation

4. **How does the average stunting rate vary by income classification (Low, LMIC, UMIC, High)?**

Visualization: Line chart or clustered column chart with income levels on X-axis and stunting average on Y-axis

Screenshot of visualisation

5. **Which countries have the highest overweight child population under five?**

Visualization: Map or bar chart showing sum of overweight children by country

Screenshot of visualisation

6. **How do overweight and underweight populations differ across income classifications?**

Visualization: Ribbon chart or stacked bar chart comparing overweight vs

underweight in income groups

Screenshot of visualisation

7. **What are the trends in stunting, wasting, and underweight over time (1983–2019)?**

Visualization: Multi-line chart showing yearly trend lines for each malnutrition category

Screenshot of visualisation

8. **How are LDC, LIFD, LLDC, and SIDS countries distributed in terms of average stunting rates?**

Visualization: Column chart or grouped bar chart with countries grouped by special categories and showing stunting average

Screenshot of visualisation