Business Question and Visualization Report

Date	19 June 2025
Team ID	SWUID2024000xxxx
Project Name	Global Malnutrition Trends: A Power BI Analysis (1983-2019)
Maximum Marks	5 Marks

Visualisation Development Overview As part of this Power BI project, effective visualisation development plays a key role in transforming complex malnutrition datasets into interactive, insight-driven dashboards. By aligning each visual with specific business questions, the goal is to enable deeper understanding of global nutrition patterns, highlight disparities across demographics, and support data-backed decision-making. The visuals are designed to be clear, accessible, and directly tied to meaningful insights derived from the data.

Business Questions and Visualisation

The process involves defining specific business questions to guide the creation of meaningful and actionable visualizations in Power BI.
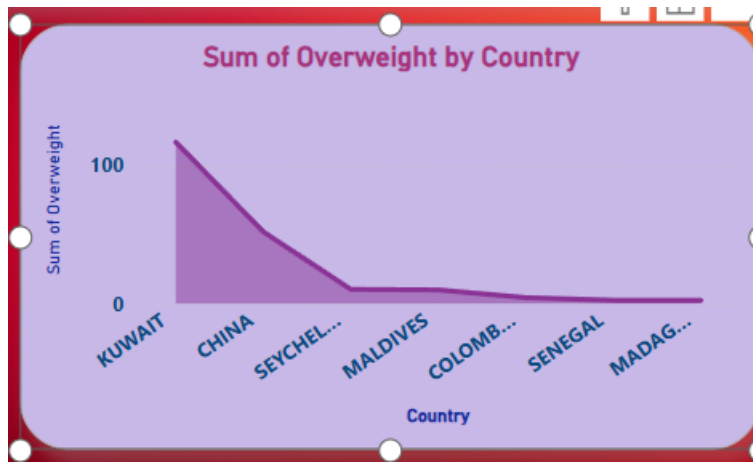
Sample

1. **What is the total underweight count and sample across all records?**

    o *Visualization*: Card visuals showing total KPI's

    o

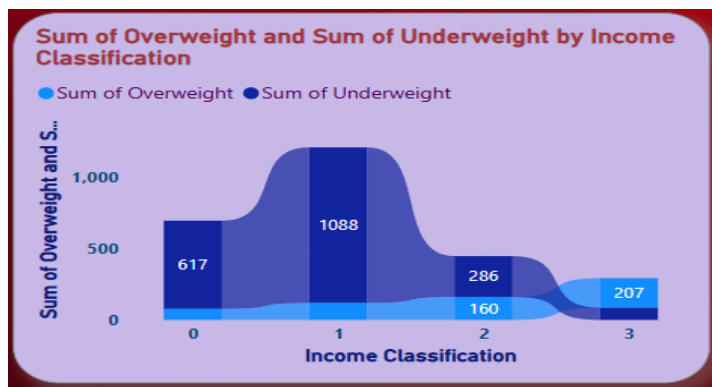2. **How do overweight and underweight indicators vary by income classification?**

    o *Visualization*: Stacked area chart

    o *Screenshot of visualisation*
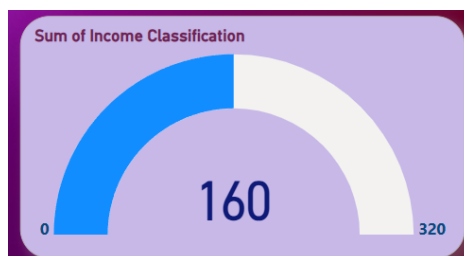
Sum of Overweight by Country

3. **Which countries have the highest overweight level overall?**

   o *Visualization*: Ribbon chart showing highlighting overweight by country

   o *Screenshot of visualisation*

Sum of Overweight and Sum of Underweight by Income Classification

4. **What is the total contribution of income classifications across all records ?**

   o *Visualization*: Gauge chart showing sum of income classification

   o *Screenshot of visualisation*

Sum of Income Classification

5. **What is the relationship between stunting and income groups globally?**

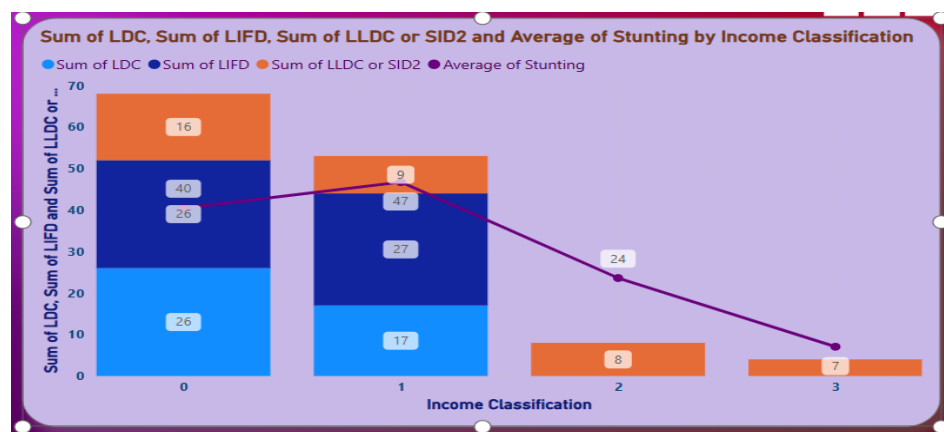   o *Visualization*: Map visualization that shows Line and stacked column chart

6. **How does income classification impact the overall stunting trend globally?**

   o *Visualization*: Line and stacked column   Map visualization showing stunting across income groups.

7. **Which indicator contributes the most to global malnutrition distribution?**
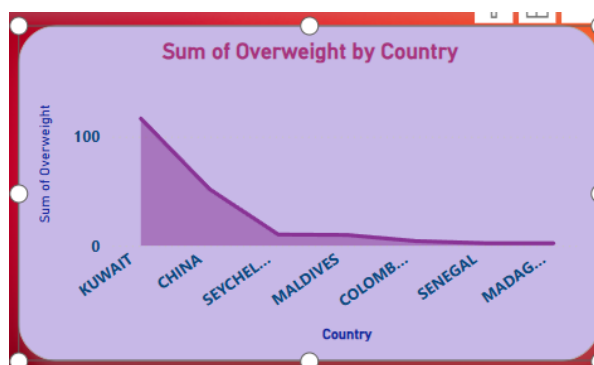
   o *Visualization*: Line and stacked Map visualization showing stacked contribution across indicators.
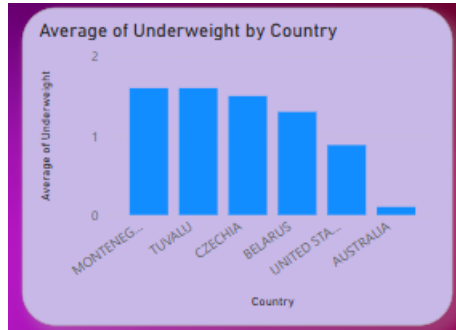
   Screenshort of visulaization

8. **What is the trend of stunting and underweight cases over time globally?**

   o *Visualization*: Stacked area chart visualization showing area chart filtered by time

   o *Screenshot of visualisation*

9. **How do individual countries compare in terms of average malnutrition burden?**

- *Visualization*: clustered column chart

- *Screenshot of visualisation*

10. **Which countries have the highest average stunting and wasting rates?**

- *Visualization*: clustered bar chart

- *Screenshot of visualisation*

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