Business Question and Visualization Report

Date	22 June 2025
Team ID	
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

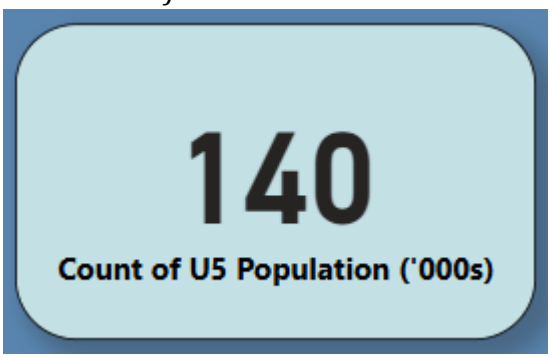
The process involves defining specific business questions to guide the creation of meaningful and actionable visualizations in Power BI. Well-framed questions help in identifying key metrics, selecting relevant data, and building visualisation that provide insights.

Sample

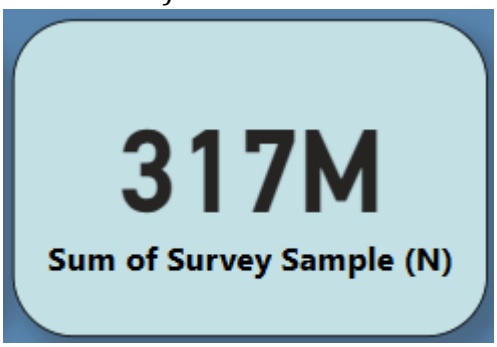
1. **What are the monthly sales trends?**
   - *Visualization*: Line chart showing monthly sales trends.
   - *Screenshot of visualisation*
2. **Which products have the highest revenue?**
   - *Visualization*: Bar chart comparing revenue by product
   - *Screenshot of visualisation*
3. **How is customer satisfaction varying across regions?**
   - *Visualization*: Map visualization showing customer satisfaction by region.
   - *Screenshot of visualisation*

Note: Min 8 business question and visualisations Required inform of above

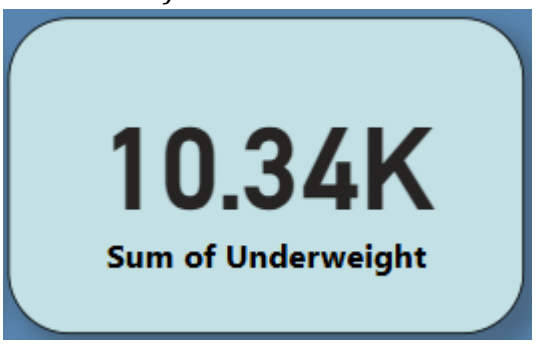
1. **What is the total under-five population surveyed globally?**
    - *Visualization*: Card showing count of U5 Population ('000s)
    - *Screenshot of visualisation*



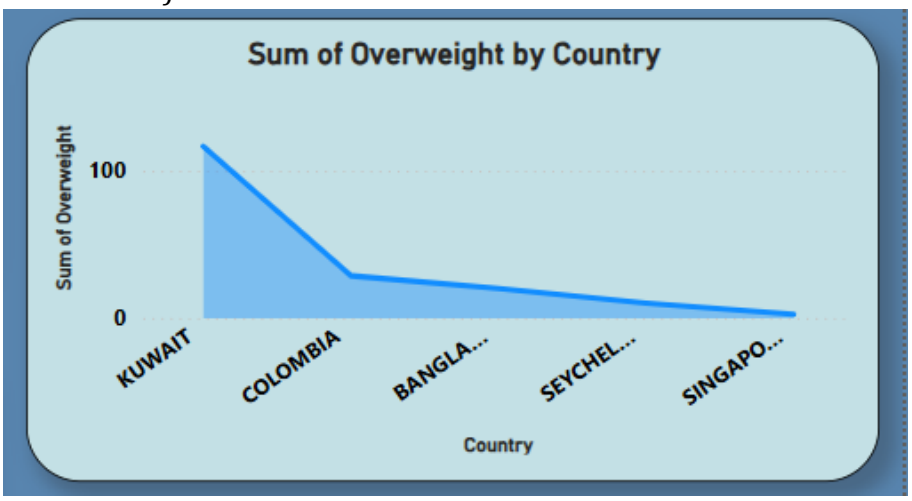
2. **What is the total under-five population surveyed globally?**
    - *Visualization*: Card displaying total Survey Sample (N)
    - *Screenshot of visualisation*



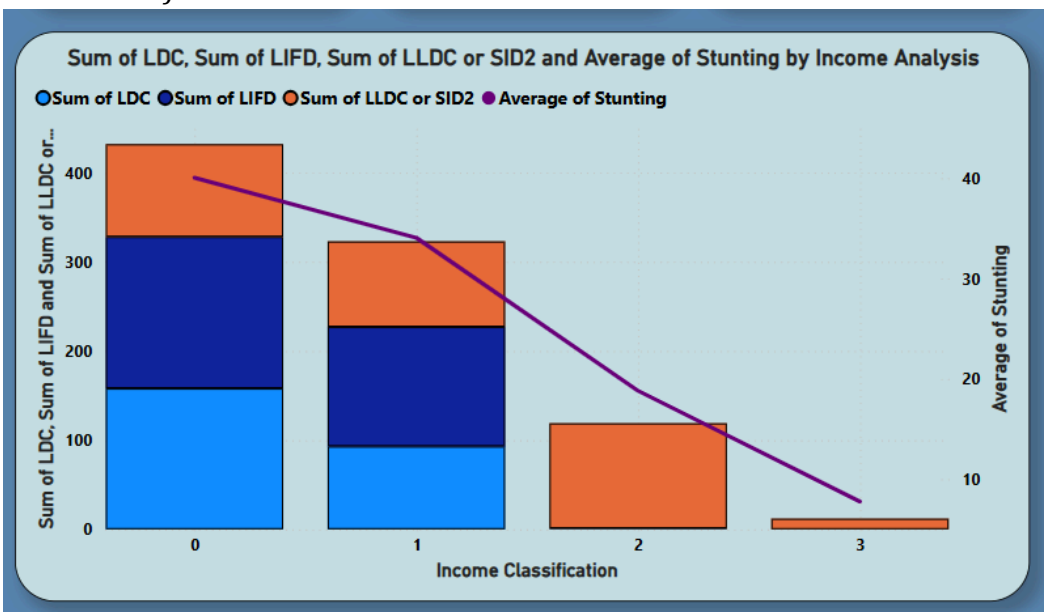
3. **What is the total number of underweight children recorded?**
    - *Visualization*: Card showing Sum of Underweight
    - *Screenshot of visualisation*



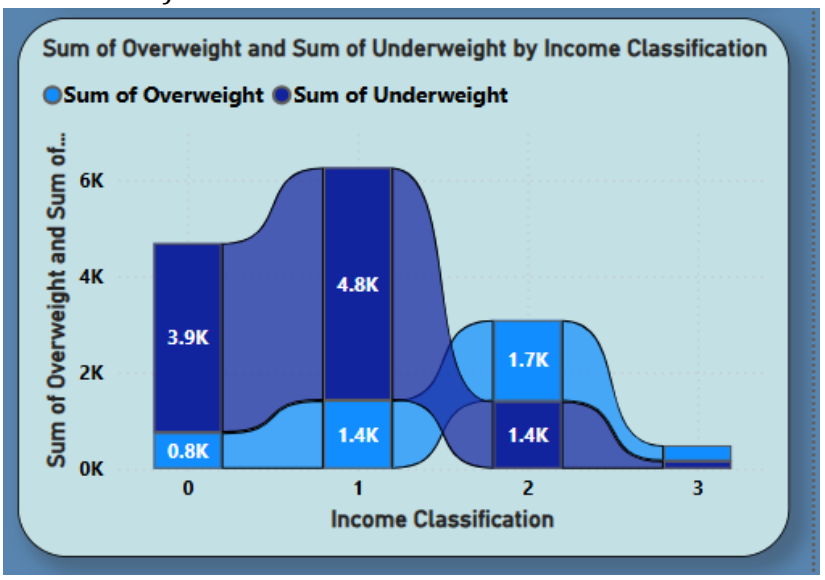
4. **Which countries report the highest levels of overweight among children?**
    - *Visualization*: Line chart showing Sum of Overweight by Country
    - *Screenshot of visualisation*



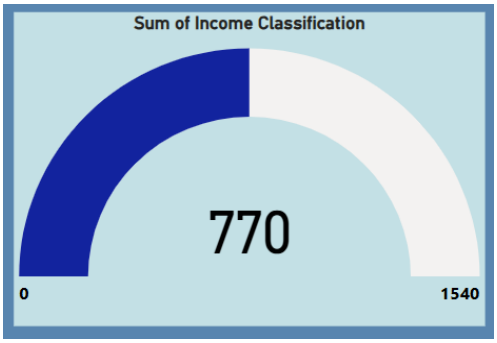
5. **How do special categories like LDC, LIFD, LLDC, or SIDS contribute to stunting across income classifications?**
    - *Visualization*: Combo chart with stacked bars (LDC, LIFD, LLDC/SID2) and line (Average of Stunting) by Income Classification
    - *Screenshot of visualisation*



6. **How are overweight and underweight cases distributed across different income levels?**
    - *Visualization*: Stacked area chart showing Sum of Overweight and Underweight by Income Classification
    - *Screenshot of visualisation*



7. **What is the cumulative income classification value across the dataset?**
    - *Visualization*: Gauge showing Sum of Income Classification
    - *Screenshot of visualisation*



8. **How does the average stunting rate change with income classification?**
    - *Visualization*: Line over bar combo chart showing Average of Stunting across Income Classifications
    - *Screenshot of visualisation*