Global Malnutrition Trends: A Power BI Analysis (1983-2019)

Date	25-12-25
Project Name	Global Malnutrition Trends: A Power BI Analysis (1983-2019)

2.2. Project Proposal (Proposed Solution)

Proposed Solution

The proposed solution involves using Microsoft Power BI as a visualization and analytical platform to:

- Integrate and analyze global malnutrition datasets.
- Display trends and correlations between underweight, overweight, and stunting across different income classifications and countries.
- Present data through dynamic dashboards that allow users to explore insights interactively.

Key Features of the Proposed Solution

1. **Data Integration:**
   Combine datasets on global malnutrition estimates and country-wise averages for a unified analysis covering 140+ countries and 11 million samples.
2. **Interactive Visualizations:**
   Develop engaging visuals such as bar charts, maps, and line graphs to show trends across years, regions, and income groups.
3. **Comparative Analysis:**
   Allow users to compare malnutrition indicators (underweight, overweight, stunting) among different income levels to identify correlations.
4. **Insight Generation:**
   Highlight key findings such as countries with the highest and lowest malnutrition rates and the impact of income classification on nutrition outcomes.

5. **User-Friendly Interface:**
   Create a dashboard with intuitive navigation and visually appealing design for ease of interpretation by researchers and policymakers.