

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

Date	10-10-2025
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.

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