Global Malnutrition Trends (1G83–201G) – Dashboard Outcomes

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| Date | 19 June 2024 |
| Project Title | Global Malnutrition Trends: A Power BI Analysis (1983-2019) |
| Maximum Marks | 5 Marks |

# Key Outcomes from the Dashboard:

**U5 Population Count**: The total count of the under-five (U5) population surveyed is **140**, providing insight into the population size considered for malnutrition analysis. **Survey Sample Size**: The total survey sample covers **317 million** individuals, indicating the vastness and comprehensiveness of the dataset.

**Underweight Children**: The dashboard reveals a sum of **10.34K underweight children**, showcasing the prevalence of underweight cases globally during the study period.

**Overweight Distribution by Country**: The top countries with higher overweight child counts include **PERU, KUWAIT, and JAMAICA**, highlighting regional trends in overnutrition.

**Stunting and Income Classification Insights**: A comparison between low-income and high-income classifications indicates that **lower-income groups exhibit higher stunting averages**, suggesting an inverse relationship between income level and stunting prevalence.

**Underweight and Overweight by Income Classification**: The chart reflects that **both underweight and overweight issues are most prevalent in lower income classifications**, with a visible decline as income classification improves.

# Dashboard Design Features Followed:

✔ **Clear and Intuitive Layout**: Well-structured placement of KPIs, graphs, and charts for easy readability.

✔ **Appropriate Visualizations**: Bar, line, and area charts appropriately used for trend and comparative analysis.

✔ **Color and Theming**: Consistent use of pink and orange themes with contrasting blue/orange visuals for clear data distinction.

✔ **Interactive Filters s Drill-Down Capabilities**: Provision for further exploration via slicers or filters is assumed based on standard Power BI practices.

✔ **Custom Visuals**: Combination of stacked bar charts and line visuals to represent multidimensional data (stunting, overweight, income classification).