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

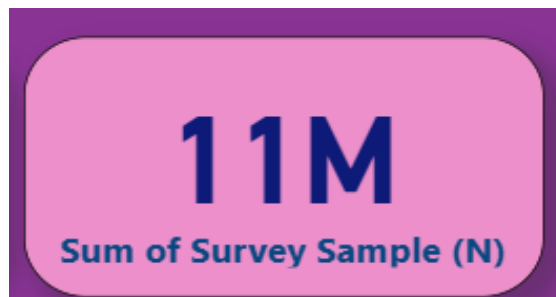| Date | 10-10-2025 |
|---|---|
| **Project Name** | **Global Malnutrition Trends: A Power BI Analysis (1983-2019)** |

## 4.2. Developing Visualizations:

**1. Count of U5 Population:**

- Go to Report view (paint roller icon).
- Click Card visual from the Visualizations pane.
- Drag U5 Population ('000s) from your dataset into Values.
- Change aggregation → click the drop-down → choose Count.
- Title: "Count of U5 Population ('000s)".



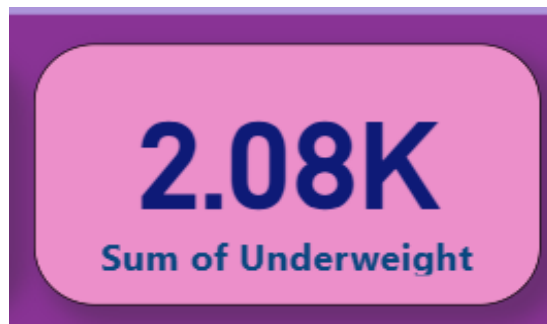**2. Sum of Survey Sample (N):**

- Duplicate the first card or insert a new Card visual.
- Drag Survey Sample (N) to Values.
- Aggregation: Sum.
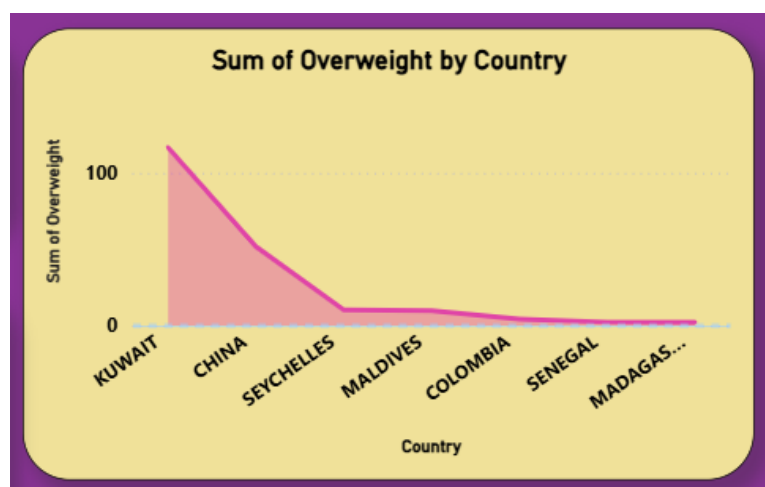- Format and title it as "Sum of Survey Sample (N)".

**3. Sum of Underweight:**

- Add another Card visual.
- Drag Underweight field into Values.
- Aggregation: Sum.
- Title: "Sum of Underweight".
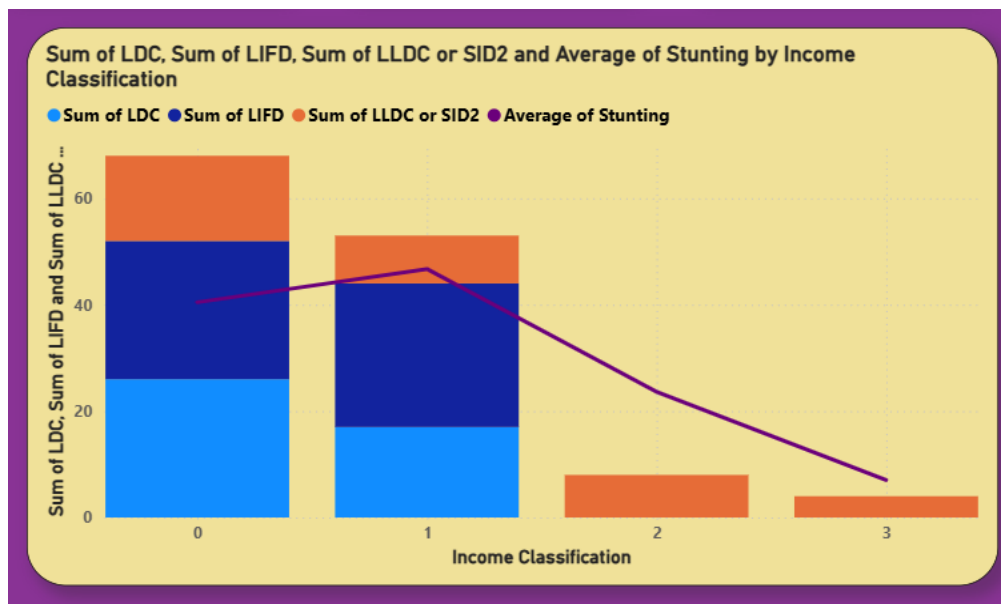


**4. Line Chart – Sum of Overweight by Country**

- Click on Line Chart visual.
- Drag Country to the X-axis.
- Drag Overweight to the Y-axis (Values).
- Aggregation: Sum.
- Title: "Sum of Overweight by Country".

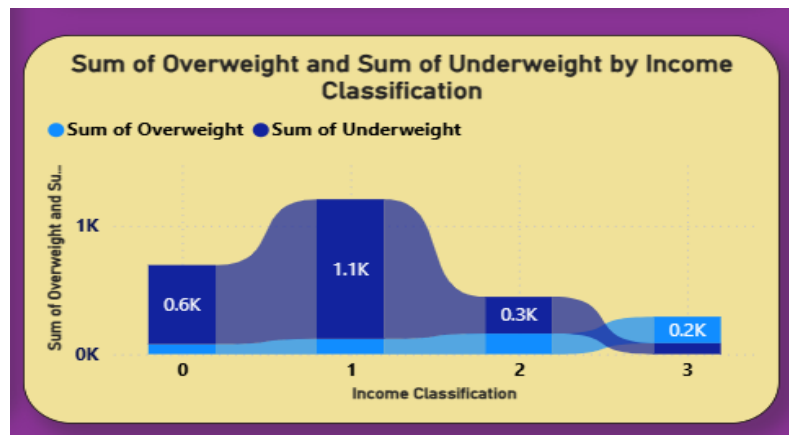**5. Combo Chart – LDC/LIFD/LLDC/SID2 vs Average Stunting:**

- This visual compares multiple sums and an average together.
- Select Combo Chart (Clustered Column and Line chart icon).
- Drag Income Classification to the X-axis.
- Drag the following fields to Column values:

  - LDC
  - LIFD
  - LLDC or SID2 (as per your dataset)

- Drag Stunting to the Line values.
- Aggregations:

  - LDC/LIFD/LLDC/SID2 → Sum
  - Stunting → Average.



**6. Area Chart – Overweight vs Underweight by Income Classification**

- Select Area Chart from the Visualizations pane.
- Drag Income Classification to the X-axis.
- Drag Overweight and Underweight to Y-axis (Values).
- Aggregation: Sum.
- Title: "Sum of Overweight and Sum of Underweight by Income Classification".

**7. Add the Gauge Visual:**

- Go to Report View (paint roller icon).
- From the Visualizations pane, select the Gauge icon (it looks like a speedometer).
- Drag Total Income Classification measure into the Value field well.