Report

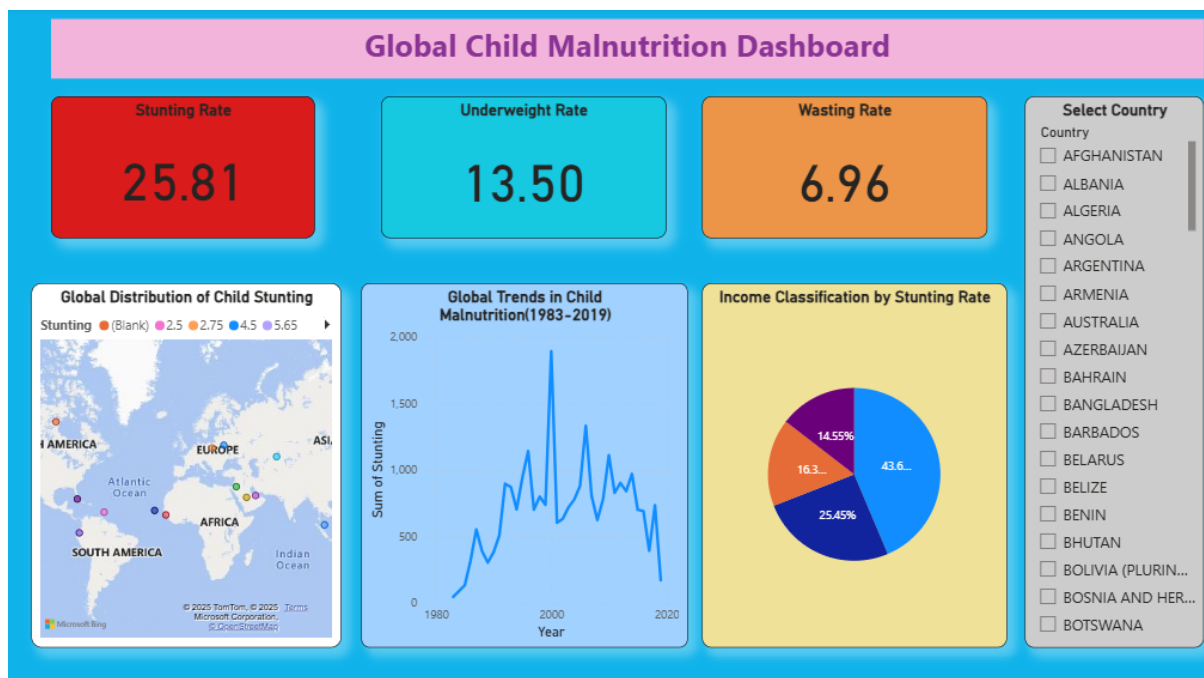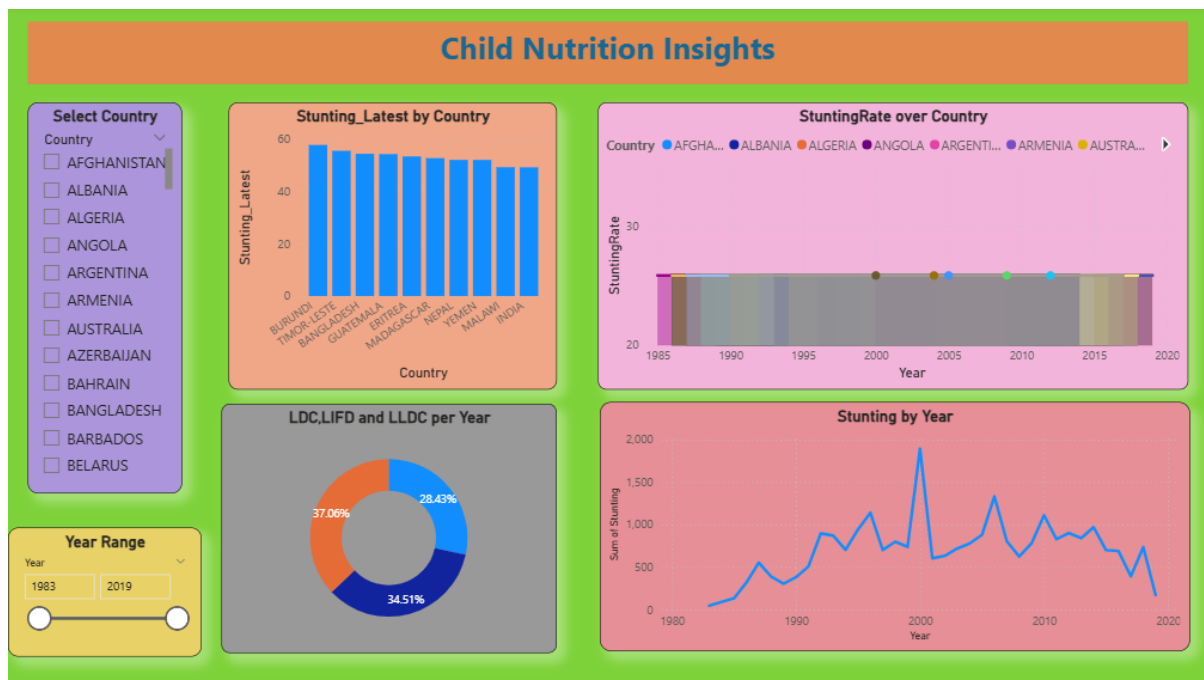| Date	10 October 2025
Team ID	SWUID20250214632
Project Name	Global Malnutrition Trends: A Power BI Analysis (1983-2019)
Maximum Marks	5 Marks

A report is a comprehensive document that provides a detailed and structured account of data analysis, findings, and insights. It is typically used for in-depth analysis, documentation, and communication of results. Reports are suitable for a diverse audience, including decision-makers, analysts, and stakeholders who need a comprehensive understanding of the data.

Designing a report in Power BI involves connecting to data sources, creating visualizations like charts and graphs, customizing their appearance and interactivity, organizing them logically on the canvas, formatting elements for consistency and clarity, and optionally creating dashboards for a summarized view. Throughout the process, it's essential to consider the audience's needs and ensure the report effectively communicates insights from the data. Finally, iterate based on feedback to continually improve the report's design and usefulness.

Report Design Overview

This report is designed in Power BI to analyse global malnutrition trends using datasets from Kaggle. It focuses on children under five years of age across 1983–2019, examining stunting, wasting, underweight, and overweight indicators.

Observations drawn from reports in Power BI can provide valuable insights into business performance and trends.

1.Trends Over Time:

Stunting rates peaked around 2000, then showed a declining trend towards 2019.

2. Performance Comparisons:

Current overall rates are: Stunting 25.81%, Underweight 13.50%, and Wasting 6.96%. Stunting remains the biggest issue.

3. Customer Segmentation (Income Classification):

43.6% of stunting cases are in the lowest income group, 25.45% middle-low, 16.3% middle-high, and 14.55% high income.

4. Goal Achievement:

The decline in stunting over decades suggests progress, but with 25.81% still affected, more work remains to meet global nutrition goals.

Observations and Insights from the Report:

Key Indicators:

Stunting, Underweight, and Wasting Rates :
The top KPIs display global averages: Stunting (25.81%), Underweight (13.50%), and Wasting (6.96%), providing a quick snapshot of malnutrition severity.

Geographical Distribution:

Global Distribution of Child Stunting
A world map visualizes stunting prevalence across regions, allowing users to identify high-burden areas and compare trends geographically.

Trend Analysis:

Global Trends in Child Malnutrition (1983–2019)
The line chart shows long-term global progress in reducing child malnutrition, emphasizing historical peaks and gradual improvement patterns.

Income-Based Classification:

Income Classification by Stunting Rate
A pie chart categorizes stunting rates by income levels, revealing disparities between high, middle, and low-income countries.

Interactive Filter:

Country Selection Panel
Users can filter data by selecting specific countries from the list, enabling targeted analysis and country-wise comparison.