

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

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

2.3. Initial Project Planning

Project Goals

- Establishing a clear project roadmap.
- Identifying key datasets and data sources.
- Determining the analytical and visualization tools (Power BI).
- Planning workflow stages and deliverables.
- Ensuring alignment with the overall research objectives.

Planning Activities

- 1. Requirement Analysis:**
Defined the scope of the analysis, the key malnutrition indicators (underweight, stunting, and overweight), and the required visual outputs.
- 2. Data Source Identification:**
Selected and reviewed the Global Malnutrition Estimates and Country-Wise Averages datasets for reliability and completeness.
- 3. Tool and Technology Selection:**
Chose Microsoft Power BI for its capability to handle large datasets, perform data modeling, and create dynamic dashboards.
- 4. Workflow Design:**
Outlined a sequential process for data collection, cleaning, modeling, visualization, testing, and documentation.
- 5. Timeline Development:**
Created a project timeline to ensure each phase was completed systematically and within schedule.

Expected Outcome

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By the end of the Initial Project Planning phase:

- A clear roadmap for data analysis and visualization was established.
- The tools, datasets, and methodologies were defined.
- Risks and dependencies were identified and addressed.
- The project was ready to progress into the Data Collection and Preparation Phase.