# Deep Dive into Global Malnutrition Trends

# D Planning steps

# 1 Introduce questions

**Objective:** Identify key insights and data-driven solutions for global malnutrition trends from 1983-2019.

#### Discussion Points:

- Major global malnutrition trends and patterns
- Factors influencing malnutrition (economic, health, policies)
- Potential data sources and visualization strategies
- Recommendations for interventions



# 2 Heads down

## Sameena

#### Data & Sources:

- Primary Sources: WHO,
  UNICEF, FAO, World Bank
- Key Indicators: Stunting, wasting, underweight, obesity
- Socioeconomic Factors: GDP, healthcare, education, poverty
- Timeframe: 1983-2019
  (Historical trends analysis)

## Nandini

## Challenges & Limitations

- Data gaps in some countries and years
- Variability in measurement methods across sources
- Difficult to isolate a single cause due to multiple influencing factors
- Impact of climate change and conflict on food availability

#### Bala Harini

## Trends & Patterns

- Malnutrition decline in some regions but persistent in others
- Developing nations have

## Deepthi

Power Bl Insights & Visualization Ideas

- Heatmaps: Regional malnutrition distribution
- Line Graphs: Yearly trends in key indicators
- Correlation Charts: Relationship between malnutrition and economic factors

# Present back

Present Back (Summary & Next Steps)Key Findings:

- Malnutrition trends show a gradual decline globally, but some regions still struggle with high rates.
- Developing nations experience more cases of stunting and wasting, especially in rural areas.
- Strong correlation between GDP, healthcare access, education, and malnutrition levels.
- Government policies, food programs, and economic growth play a crucial role in reducing malnutrition.

#### Challenges Identified:

- Data gaps and inconsistencies across different countries and time periods.
- Difficulty in isolating a single cause due to multiple influencing factors.
- Climate change, conflicts, and economic crises impact food security and nutrition.

#### Power BI Implementation Plan:

- Visualizing Data:
  - Heatmaps to show malnutrition distribution globally.
  - Line graphs to track trends from 1983-2019.
  - Correlation charts to analyze economic and health influences.
- Predictive analytics to forecast malnutrition trends.
- Next Steps:
  - Finalize dataset and clean missing values.
  - Oesign Power Bl dashboards with key insights.
  - Identify actionable recommendations for policymakers.