

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

Sprint 1: (7 Days)

Data Collection & Cleaning

- Collection of Data – 2 Story Points
- Loading & Cleaning Data – 1 Story Point

Data Preprocessing

- Handling Missing Values – 3 Story Points
- Handling Categorical Values – 2 Story Points

****Total Story Points for Sprint 1**** = 2 + 1 + 3 + 2 = 8

Sprint 2: (7 Days)

Data Transformation

- Normalizing Country Names – 3 Story Points
- Merging Multiple Datasets – 5 Story Points

Data Visualization

- Creating Power BI Dashboard – 5 Story Points
- Visualizing Malnutrition Trends (1983-2019) – 3 Story Points

****Total Story Points for Sprint 2**** = 3 + 5 + 5 + 3 = 16

Sprint 3: (7 Days)

Model Evaluation & Analysis

- Evaluating Model Performance – 5 Story Points
- Comparing Different Malnutrition Trends – 3 Story Points

Report & Documentation

- Drafting Research Findings – 3 Story Points
- Compiling Results for Stakeholders – 5 Story Points

****Total Story Points for Sprint 3**** = 5 + 3 + 3 + 5 = 16

Sprint 4: (7 Days)

Final Deployment & Report Submission

- Finalizing Power BI Dashboard – 5 Story Points
- Generating Interactive Reports – 3 Story Points

Presentation & Submission

- Preparing Final Presentation – 3 Story Points
- Submitting Full Analysis – 5 Story Points

****Total Story Points for Sprint 4**** = 5 + 3 + 3 + 5 = 16

Total Story Points & Velocity Calculation

Sprint	Total Story Points	Duration (Days)
Sprint 1	8	7 Days
Sprint 2	16	7 Days
Sprint 3	16	7 Days
Sprint 4	16	7 Days
Total	56	28 Days

Velocity Calculation

Velocity = Total Story Points Completed / Number of Sprints

Velocity = (8 + 16 + 16 + 16) / 4

Velocity = 56 / 4

Velocity = 14 Story Points per Sprint