Project Development Phase
Model Performance Test

Date	13 march 2025
Team ID	PNT2025TMID06381
Project Name	Global Food Production Trends and Analysis: A Comprehensive Study from 1961 to 2023 Using Power BI
Maximum Marks	

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	2 Tables Taken: • Country-wise-average Table: Columns - 11 Rows - 140 • malnutrition-estimates Table: Columns - 20 Rows - 923
2.	Data Preprocessing	Replaced Error from Survey Sample Column from malnutrition-estimates table to 0 • Changed data types of Columns Severe Wasting, Underweight, Overweight, Wasting, Stunting, US Population in malnutrition-estimates table. • Changed data types of Columns Severe Wasting, Underweight, Overweight, Wasting, Stunting, U5 Population in Country-wise-average table. • Removed null values
3.	Utilization of Data Filters	2 Filters used Top N= 100 10 niter in Line Chart Top N - Top 5 filter in Clustered bar Char
4.	DAX Queries Used	Avg_Stunting = AVERAGE('malnutrition-estimates' [Stunting]) Avg_Underweight = AVERAGE('malnutrition-estimates Underweienc Avg_Wasting = AVERAGE('malnutrition-estimates' (Wasting]) Total_Us_Population = sUM, malnutrition-estimates Us Population Yoy-Stunting_Change VAR PrevYear = CALCULATE(AVERAGE('malnutrition-estimates (Stunting)), PREVIOUSYtAR(malnutrition-estimates [Year)))

		RETURN AVERAGE('malnutrition-estimates' [Stunting]) - PrevYear Yoy_Wasting_Change VAR PrevYear = CALCULATE(AVERAGE(malnutrition-estimates' [Wasting])), PREVIOUSYEARmalnutrition-estimates|Year]) RETURN AVERAGE(malnutrition-estimates'[Wasting]) - PrevYear
5.	Dashboard design	No of Visualizations / Graphs – 7 8
6	Report Design	No of Visualizations / Graphs – 7 8