## Project Development Phase Model Performance Test

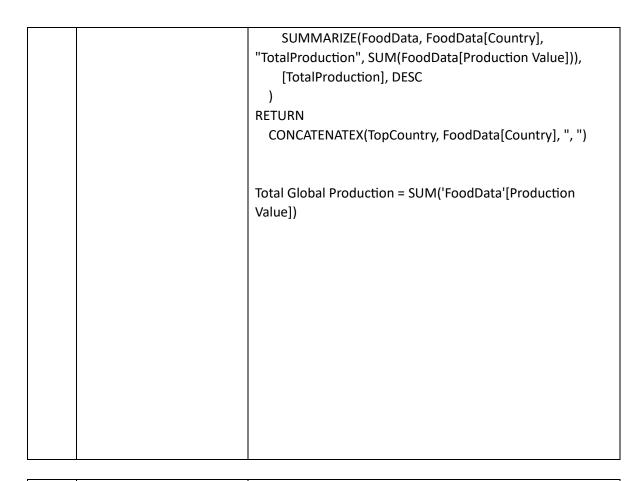
Date	8 March 2025
Team ID	PNT2025TMID02578
Project Name	Global Food Production Trends and Analysis
Maximum Marks	

## **Model Performance Testing:**

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

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	No. Of Rows – 11912 No.
		Of Columns - 25
2.	Data Preprocessing	Fixed column name gaps, Converted numerical columns to Whole Number, Adjusted outliers
3.	Utilization of Data Filters	Year Slicer, Country Slicer

```
DAX Queries Used
               Fastest Growing Food Item =
              VAR GrowthTable =
                ADDCOLUMNS(
                  SUMMARIZE(FoodData, FoodData[Food Type],
              FoodData[Year], "TotalProduction",
              SUM(FoodData[Production Value])),
                  "YoY Growth",
                  VAR PrevYear = CALCULATE(
                    SUM(FoodData[Production Value]),
                    FoodData[Year] = MAX(FoodData[Year]) - 1
                  RETURN IF(PrevYear = BLANK(), BLANK(),
              (SUM(FoodData[Production Value]) - PrevYear) / PrevYear *
              100)
                )
              VAR TopGrowingFood =
                TOPN(1, GrowthTable, [YoY Growth], DESC)
              RETURN
                CONCATENATEX(TopGrowingFood, FoodData[Food Type]
              & " (" & FORMAT([YoY Growth], "0.00%") & ")", ", ")
              Top 5 Producing Countries Ranked =
              VAR TopCountries =
                TOPN(5,
                  SUMMARIZE(FoodData, FoodData[Country],
              "TotalProduction", SUM(FoodData[Production Value])),
                  [TotalProduction], DESC
                )
              RETURN
                CONCATENATEX(
                  ADDCOLUMNS(TopCountries, "Rank",
              RANKX(TopCountries, [TotalProduction],, DESC)),
                  [Rank] & ": " & FoodData[Country],
                  "|"
                )
              Top Producing Country =
              VAR TopCountry =
                TOPN(1,
```



5.	Dashboard design	No of Visualizations -7
		(1) Slicer
		(2) Card
		(3) Stacked coloumn chart
		(4) Text box
		(5) Line chart
		(6) Map
		(7) Pie chart