

**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

4.	DAX Queries Used	<p>Fastest Growing Food Item =</p> <pre> 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] &amp; " (" &amp; FORMAT([YoY Growth], "0.00%") &amp; ")", ", ") </pre> <p>Top 5 Producing Countries Ranked =</p> <pre> 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] &amp; " : " &amp; FoodData[Country],         "   "     ) </pre> <p>Top Producing Country =</p> <pre> VAR TopCountry =     TOPN(1, </pre>
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		<p>SUMMARIZE(FoodData, FoodData[Country],  "TotalProduction", SUM(FoodData[Production Value])),  [TotalProduction], DESC  )  RETURN  CONCATENATEX(TopCountry, FoodData[Country], ", ")</p> <p>Total Global Production = SUM('FoodData'[Production Value])</p>
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5.	Dashboard design	<p>No of Visualizations -7</p> <ul style="list-style-type: none"> <li>(1) Slicer</li> <li>(2) Card</li> <li>(3) Stacked coloumn chart</li> <li>(4) Text box</li> <li>(5) Line chart</li> <li>(6) Map</li> <li>(7) Pie chart</li> </ul>
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