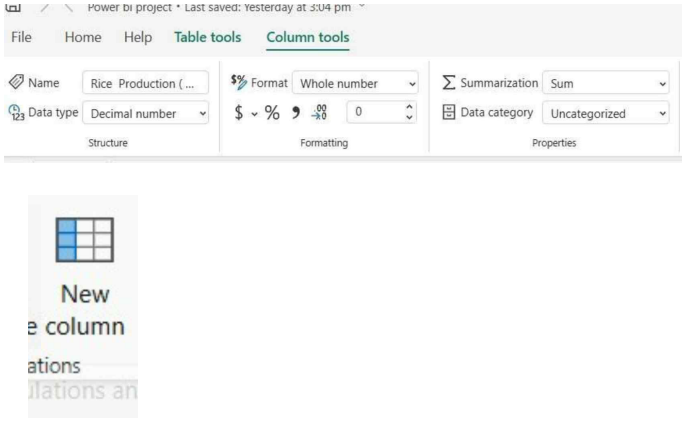
Project Development Phase
Model Performance Test

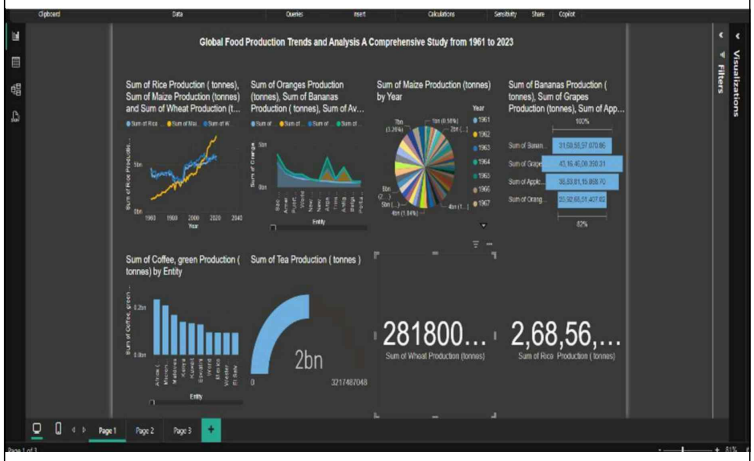
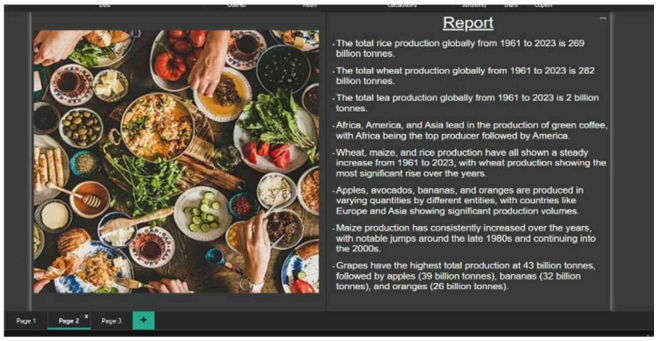
Date	25 March 2025
Team ID	PNT2025TMID06686
Project Name	Global Food Production Trends and Analysi:A Comprehensive Study from 1961 to 2023 Using Power BI
Maximum Marks	

Model Performance Testing:

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

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	24 column and 11912 Rows.
2.	Data Preprocessing	
3.	Utilization of Data Filters	We had shorted the data by giving the data type text, whole no. and the decimal no.
4.	DAX Queries Used	Water_Frequency_Numeric = SWITCH([Water_Frequency], "daily", 1, "bi-weekly", 2, "weekly", 3, BLANK()) Temperature_Range = SWITCH(

```
    TRUE(),
    [Temperature] < 15, "Low",
    [Temperature] >= 15 && [Temperature] < 25,
"Moderate",
    [Temperature] >=25, "High" )


Humidity_Range =
SWITCH(
    TRUE(),
    [Humidity] < 40, "Low",
    [Humidity] >= 40 && [Humidity] < 60, "Moderate",
    [Humidity] >= 60, "High"
    )


Humidity_Level_Description =
SWITCH(
    TRUE(),
    [Humidity] < 30, "Very Dry",
    [Humidity] >= 30 && [Humidity] < 50, "Dry",
    [Humidity] >= 50 && [Humidity] < 70, "Moderate",
    [Humidity] >= 70 && [Humidity] < 90, "Humid",
    [Humidity] >= 90, "Very Humid" )


Temperature_Range_Description =
SWITCH(
    TRUE(),
    [Temperature] < 10, "Very Cold",
    [Temperature] >= 10 && [Temperature] < 20, "Cold",
    [Temperature] >= 20 && [Temperature] < 30,
"Moderate",
    [Temperature] >= 30 && [Temperature] < 40, "Warm",
    [Temperature] >= 40, "Hot")


Growth_Milestone_Description =
SWITCH(
    [Growth_Milestone],
    0, "Early Stage",
    1, "Mature Stage",
    "Unknown Stage"
)


Plant_Growth_Category =
SWITCH(
```

		[Growth_Milestone], 0, "Initial Growth", 1, "Advanced Growth", "Uncategorized")
5.	Dashboard design	
6	Report Design