

P2 - Power BI Driven Exhaustive Analysis of Indian Agriculture Sector (DA)

*Internship presented by the Edunet Foundation, in
collaboration with EY GDS-AICTE*

AICTE Student ID: STU657dc039e78e81702740025

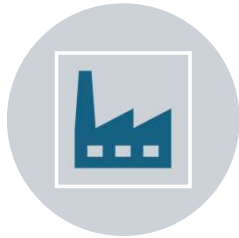
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Name : Omkar Babanrao Latpate

Data Analysis Expression(DAX)

1. Single Output ➔ New Measure
2. Multiple Output ➔ New Column / New Table
3. New Measure ➔ Cards Visual

Project Requirements



TOTAL
PRODUCTION



AVERAGE
PRODUCTION



DISTINCT STATE
NAME COUNT



DISTINCT DISTRICT
NAME COUNT



SEASON COUNT



NUMBER OF
CROPS



YEARS COUNT

Created New
Measures :

Data		>>
<input type="text" value="Search"/>		
▼	📊	apy_1
	Σ	Area(Hectare)
	📊	Avg Production
		Crop
	Σ	Crop_Year
	📊	Distinct District
		District_Name
	📊	No. of Crops
	Σ	Production(Tons)
		Season
	📊	Season Count
	📊	State Count
		State_Name
	📊	Total Production
	📊	Years Count

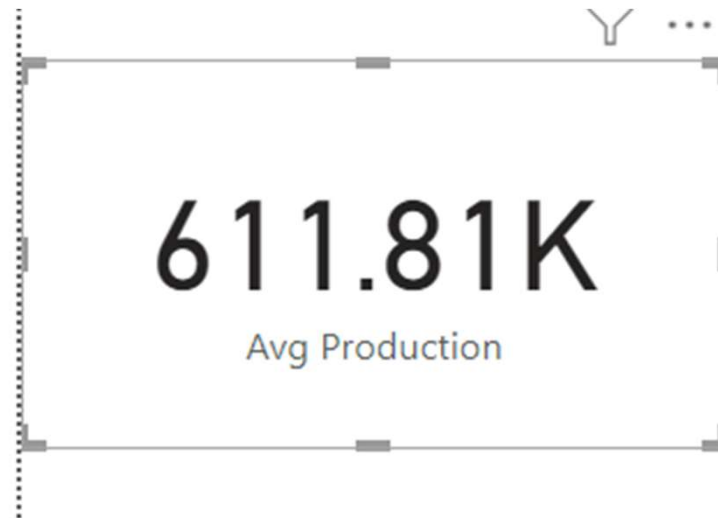
1. Total Production :

Total Production = `SUM(apy_1[Production(Tons)])`



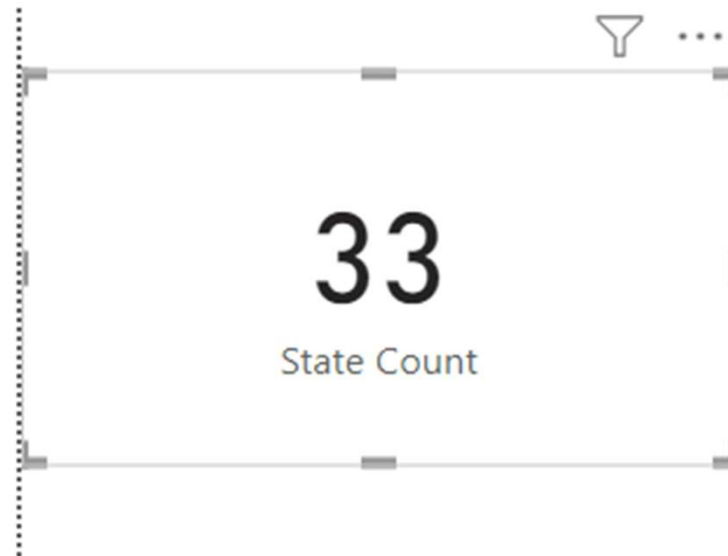
2. Average Production

Avg Production = `AVERAGE`(apy_1[Production(Tons)])



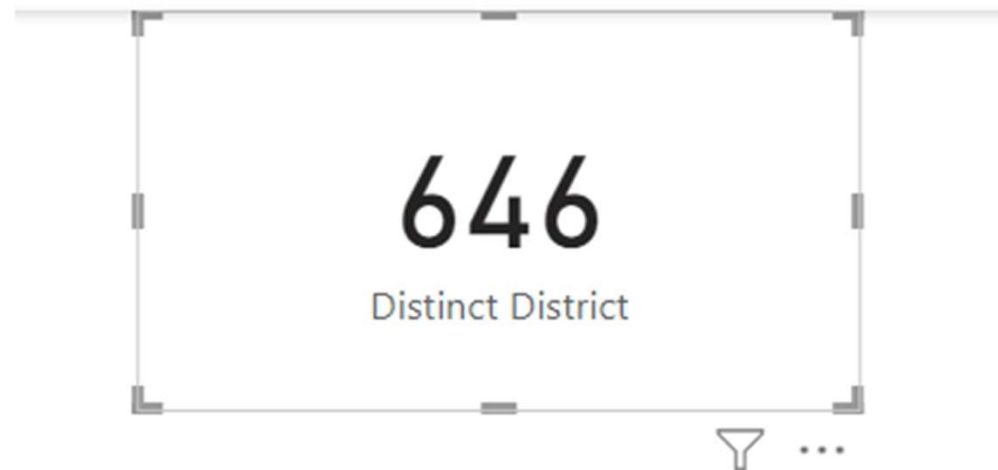
3. Distinct State Count

State Count = `DISTINCTCOUNT`(apy_1[State_Name])



4. Distinct District Name Count

Distinct District = `DISTINCTCOUNT`(apy_1[District_Name])



5. Distinct Season Count

Season Count = `DISTINCTCOUNT`(`apy_1[Season]`)



6. Number of Crops Count

No. of Crops = `DISTINCTCOUNT(apy_1[Crop])`



7. Number of Years

Years Count = `DISTINCTCOUNT`(apy_1[Crop_Year])



7. Minimum Support Price

```
MSP = (SWITCH(TRUE(),  
SUM(apy_1[Production(Tons)])<=AVERAGE(apy_1[Production(Tons)]), "Green","Red"))
```

if background color is red there is no msp else if there is there will be green color



FileHomeInsertModelingViewOptimizeHelpFormatData / Drill

PasteCutCopyFormat painter

Get dataExcelOneLakeSQL ServerEnter dataDataverseRecent sources

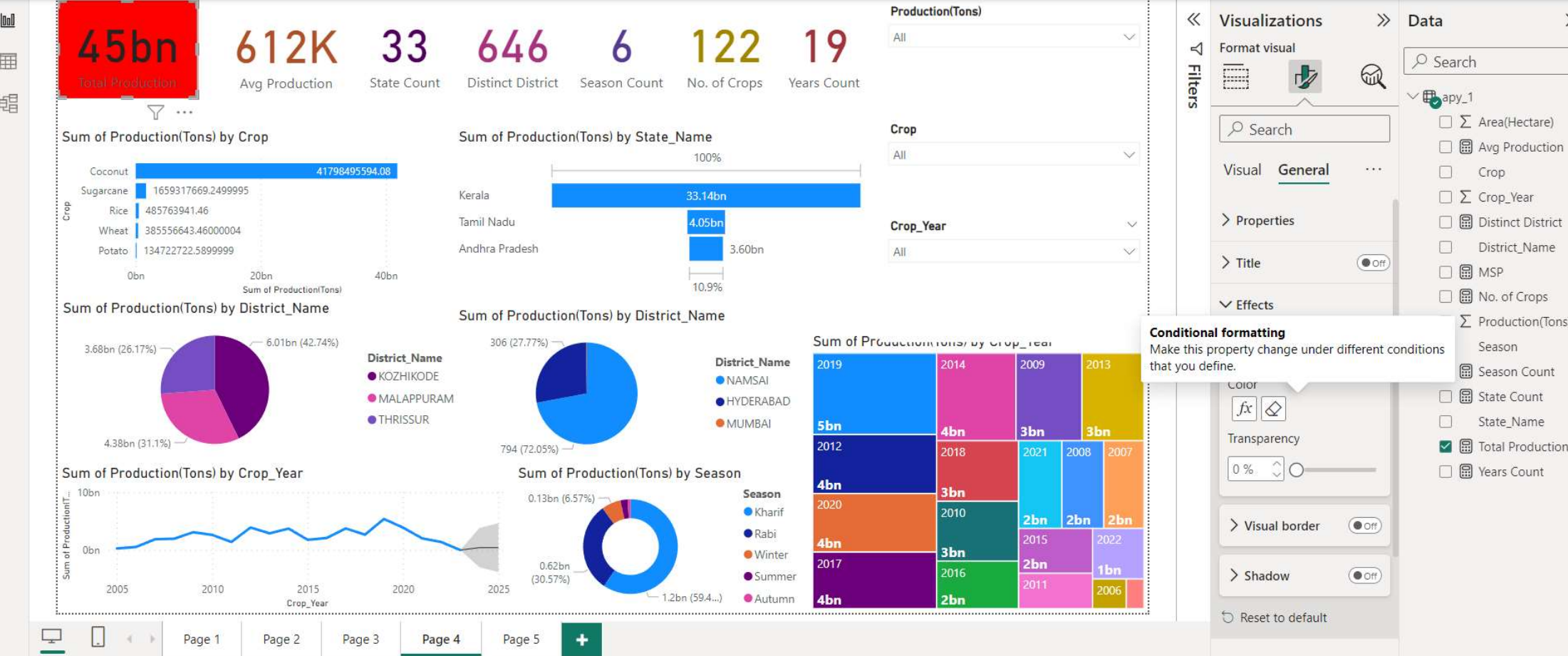
Transform dataRefresh data

New visualText boxMore visuals

New measureQuick measure

SensitivitySensitivity

PublishShare



FileHomeInsertModelingViewOptimizeHelp

PasteCutCopyFormat painterClipboard

Get dataExcelOneLakeSQL ServerEnter dataDataverseRecent sourcesData

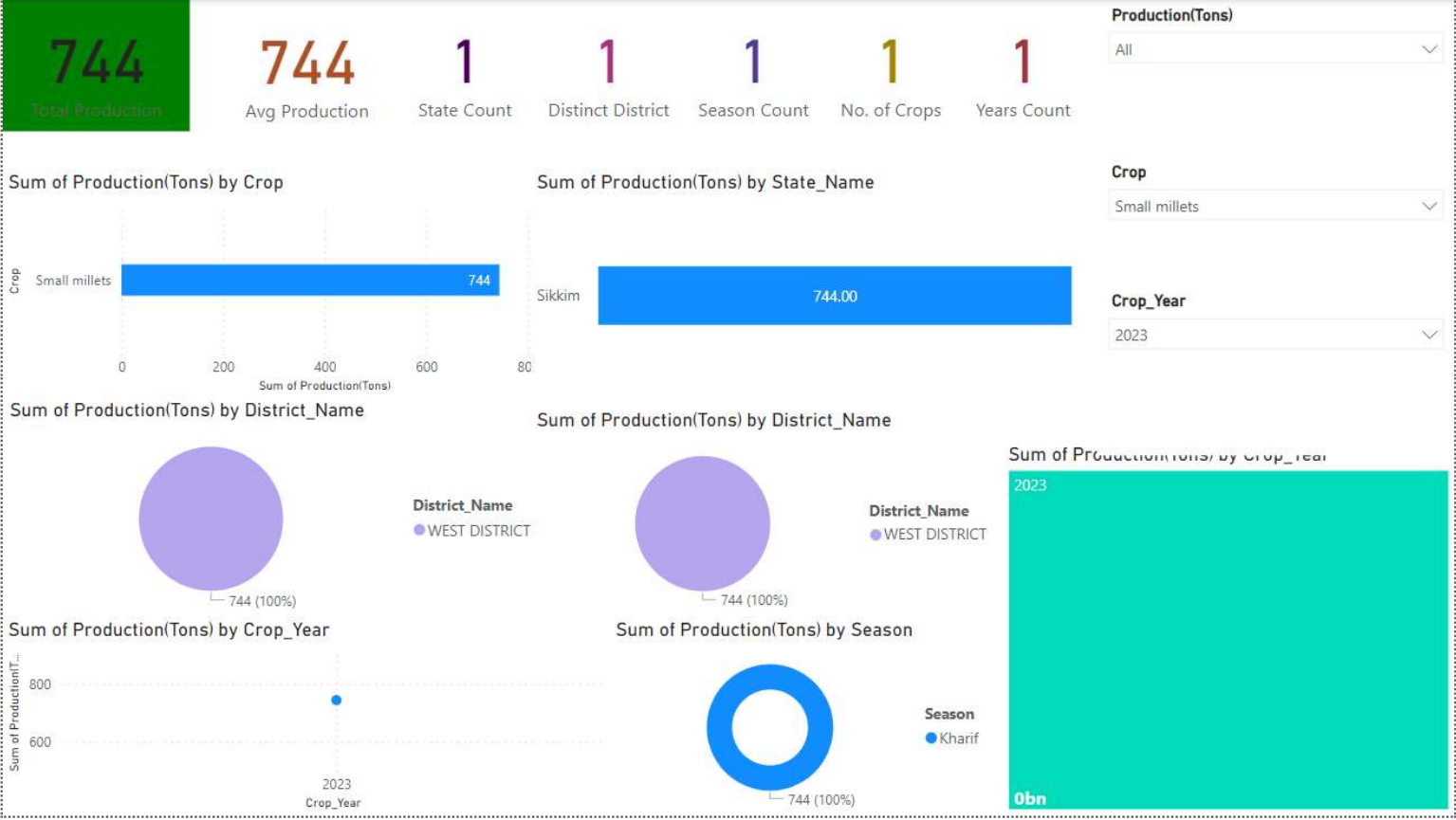
Transform dataRefresh dataQueries

New visualText boxMore visualsInsert

New measureQuick measureCalculations

SensitivitySensitivity

PublishShare



VisualizationsFilters

Build visual

Filters

apv_1

☐ Σ Area(Hectare)

☐ Avg Production

☐ Crop

☐ Σ Crop_Year

☐ Distinct District

☐ District_Name

☐ MSP

☐ No. of Crops

☐ Σ Production(Tons)

☐ Season

☐ Season Count

☐ State Count

☐ State_Name

☐ Total Production

☐ Years Count

Values

Add data fields here

Drill through

Cross-reportOff

Keep all filtersOn

Add drill-through fields here