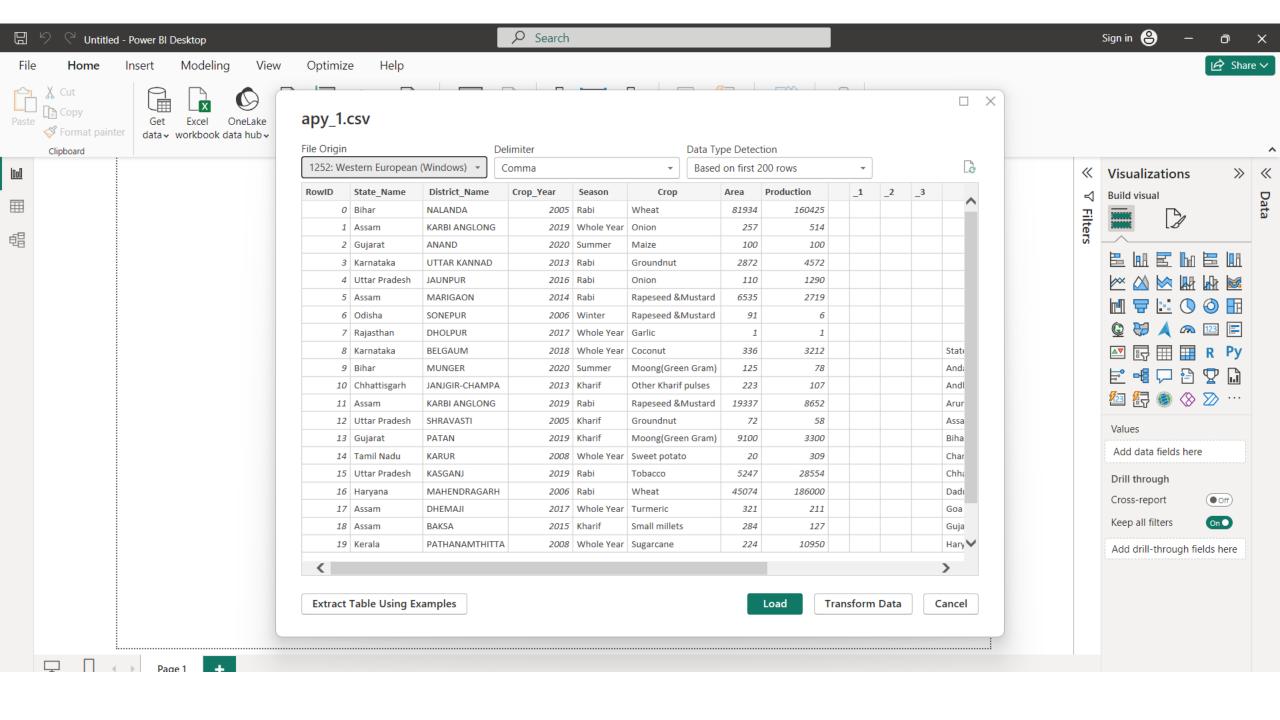# SR UNIVERSITY
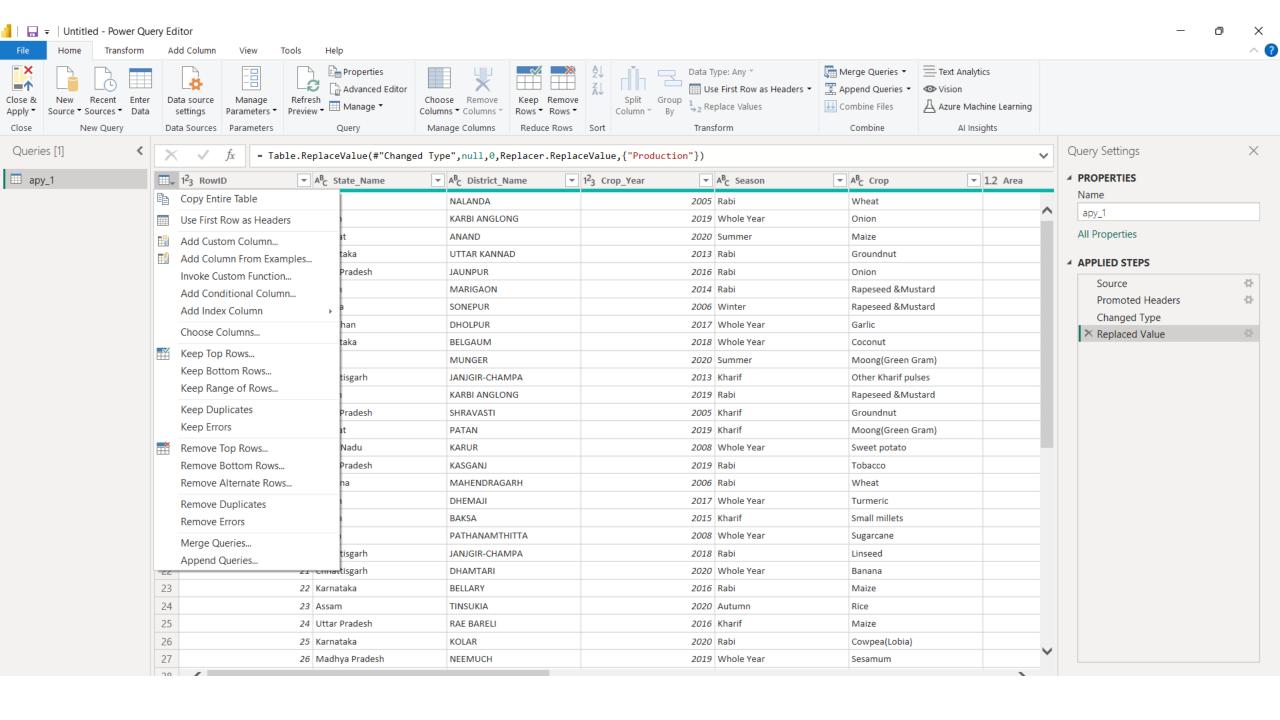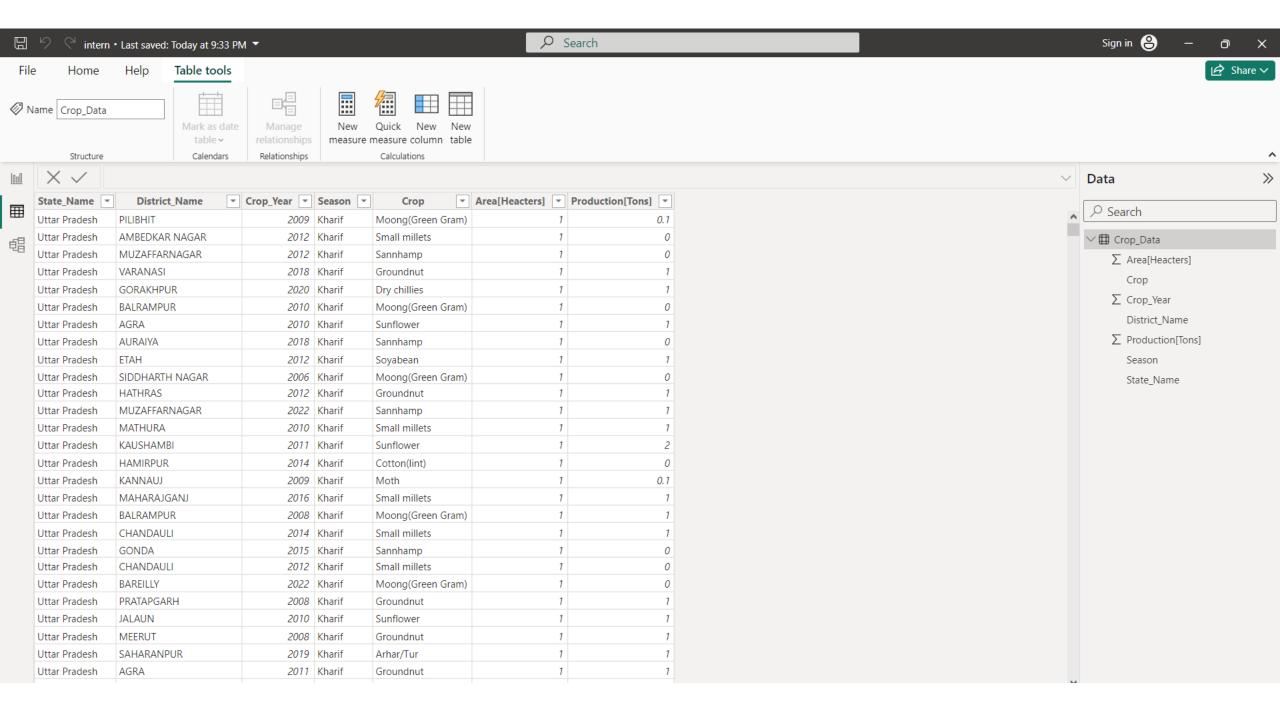
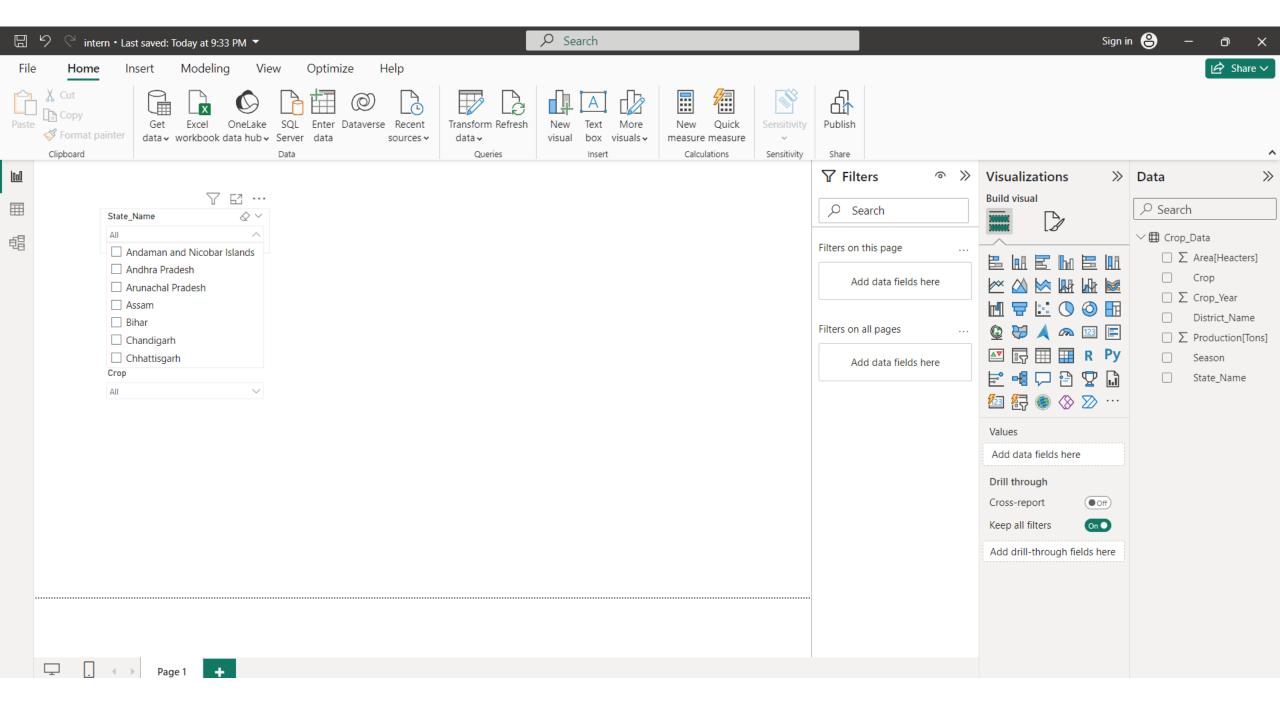# STU6422f769acb711680013161

R. POOJA REDDY

Week-02:   Data Visualizations
Production Analysis of Indian States

apy_1.csv

File Origin: 1252: Western European (Windows)
Delimiter: Comma
Data Type Detection: Based on first 200 rows

RowID	State_Name	District_Name	Crop_Year	Season	Crop	Area	Production	_1	_2	_3
0	Bihar	NALANDA	2005	Rabi	Wheat	81934	160425			
1	Assam	KARBI ANGLONG	2019	Whole Year	Onion	257	514			
2	Gujarat	ANAND	2020	Summer	Maize	100	100			
3	Karnataka	UTTAR KANNAD	2013	Rabi	Groundnut	2872	4572			
4	Uttar Pradesh	JAUNPUR	2016	Rabi	Onion	110	1290			
5	Assam	MARIGAON	2014	Rabi	Rapeseed &Mustard	6535	2719			
6	Odisha	SONEPUR	2006	Winter	Rapeseed &Mustard	91	6			
7	Rajasthan	DHOLPUR	2017	Whole Year	Garlic	1	1			
8	Karnataka	BELGAUM	2018	Whole Year	Coconut	336	3212			State
9	Bihar	MUNGER	2020	Summer	Moong(Green Gram)	125	78			Anda
10	Chhattisgarh	JANJGIR-CHAMPA	2013	Kharif	Other Kharif pulses	223	107			Andh
11	Assam	KARBI ANGLONG	2019	Rabi	Rapeseed &Mustard	19337	8652			Arur
12	Uttar Pradesh	SHRAVASTI	2005	Kharif	Groundnut	72	58			Assa
13	Gujarat	PATAN	2019	Kharif	Moong(Green Gram)	9100	3300			Biha
14	Tamil Nadu	KARUR	2008	Whole Year	Sweet potato	20	309			Char
15	Uttar Pradesh	KASGANJ	2019	Rabi	Tobacco	5247	28554			Chha
16	Haryana	MAHENDRAGARH	2006	Rabi	Wheat	45074	186000			Dadi
17	Assam	DHEMAJI	2017	Whole Year	Turmeric	321	211			Goa
18	Assam	BAKSA	2015	Kharif	Small millets	284	127			Guja
19	Kerala	PATHANAMTHITTA	2008	Whole Year	Sugarcane	224	10950			Hary

Extract Table Using Examples Load Transform Data Cancel

File Home Transform Add Column View Tools Help

Close & Apply | Close

New Source | Recent Sources | Enter Data | New Query

Data source settings | Data Sources

Manage Parameters | Parameters

Properties | Advanced Editor | Manage | Refresh Preview | Query

Choose Columns | Remove Columns | Manage Columns

Keep Rows | Remove Rows | Reduce Rows

Sort

Split Column | Group By | Data Type: Any | Use First Row as Headers | Replace Values | Transform

Merge Queries | Append Queries | Combine Files | Combine

Text Analytics | Vision | Azure Machine Learning | AI Insights

Queries [1]

apy_1

= Table.ReplaceValue(#"Changed Type",null,0,Replacer.ReplaceValue,{"Production"})

	RowID	State_Name	District_Name	Crop_Year	Season	Crop	Area
			NALANDA	2005	Rabi	Wheat	
			KARBI ANGLONG	2019	Whole Year	Onion	
		at	ANAND	2020	Summer	Maize	
		taka	UTTAR KANNAD	2013	Rabi	Groundnut	
		Pradesh	JAUNPUR	2016	Rabi	Onion	
		n	MARIGAON	2014	Rabi	Rapeseed &Mustard	
		a	SONEPUR	2006	Winter	Rapeseed &Mustard	
		han	DHOLPUR	2017	Whole Year	Garlic	
		taka	BELGAUM	2018	Whole Year	Coconut	
			MUNGER	2020	Summer	Moong(Green Gram)	
		tisgarh	JANJGIR-CHAMPA	2013	Kharif	Other Kharif pulses	
			KARBI ANGLONG	2019	Rabi	Rapeseed &Mustard	
		Pradesh	SHRAVASTI	2005	Kharif	Groundnut	
		at	PATAN	2019	Kharif	Moong(Green Gram)	
		Nadu	KARUR	2008	Whole Year	Sweet potato	
		Pradesh	KASGANJ	2019	Rabi	Tobacco	
		na	MAHENDRAGARH	2006	Rabi	Wheat	
			DHEMAJI	2017	Whole Year	Turmeric	
			BAKSA	2015	Kharif	Small millets	
			PATHANAMTHITTA	2008	Whole Year	Sugarcane	
		tisgarh	JANJGIR-CHAMPA	2018	Rabi	Linseed	
22	21	Chhattisgarh	DHAMTARI	2020	Whole Year	Banana	
23	22	Karnataka	BELLARY	2016	Rabi	Maize	
24	23	Assam	TINSUKIA	2020	Autumn	Rice	
25	24	Uttar Pradesh	RAE BARELI	2016	Kharif	Maize	
26	25	Karnataka	KOLAR	2020	Rabi	Cowpea(Lobia)	
27	26	Madhya Pradesh	NEEMUCH	2019	Whole Year	Sesamum	

Context menu:
Copy Entire Table
Use First Row as Headers
Add Custom Column...
Add Column From Examples...
Invoke Custom Function...
Add Conditional Column...
Add Index Column
Choose Columns...
Keep Top Rows...
Keep Bottom Rows...
Keep Range of Rows...
Keep Duplicates
Keep Errors
Remove Top Rows...
Remove Bottom Rows...
Remove Alternate Rows...
Remove Duplicates
Remove Errors
Merge Queries...
Append Queries...

Query Settings

PROPERTIES
Name
apy_1
All Properties

APPLIED STEPS
Source
Promoted Headers
Changed Type
Replaced Value

File   Home   Help   Table tools

Name Crop_Data

Structure   Calendars   Relationships   Calculations

State_Name	District_Name	Crop_Year	Season	Crop	Area[Heacters]	Production[Tons]
Uttar Pradesh	PILIBHIT	2009	Kharif	Moong(Green Gram)	1	0.1
Uttar Pradesh	AMBEDKAR NAGAR	2012	Kharif	Small millets	1	0
Uttar Pradesh	MUZAFFARNAGAR	2012	Kharif	Sannhamp	1	0
Uttar Pradesh	VARANASI	2018	Kharif	Groundnut	1	1
Uttar Pradesh	GORAKHPUR	2020	Kharif	Dry chillies	1	1
Uttar Pradesh	BALRAMPUR	2010	Kharif	Moong(Green Gram)	1	0
Uttar Pradesh	AGRA	2010	Kharif	Sunflower	1	1
Uttar Pradesh	AURAIYA	2018	Kharif	Sannhamp	1	0
Uttar Pradesh	ETAH	2012	Kharif	Soyabean	1	1
Uttar Pradesh	SIDDHARTH NAGAR	2006	Kharif	Moong(Green Gram)	1	0
Uttar Pradesh	HATHRAS	2012	Kharif	Groundnut	1	1
Uttar Pradesh	MUZAFFARNAGAR	2022	Kharif	Sannhamp	1	1
Uttar Pradesh	MATHURA	2010	Kharif	Small millets	1	1
Uttar Pradesh	KAUSHAMBI	2011	Kharif	Sunflower	1	2
Uttar Pradesh	HAMIRPUR	2014	Kharif	Cotton(lint)	1	0
Uttar Pradesh	KANNAUJ	2009	Kharif	Moth	1	0.1
Uttar Pradesh	MAHARAJGANJ	2016	Kharif	Small millets	1	1
Uttar Pradesh	BALRAMPUR	2008	Kharif	Moong(Green Gram)	1	1
Uttar Pradesh	CHANDAULI	2014	Kharif	Small millets	1	1
Uttar Pradesh	GONDA	2015	Kharif	Sannhamp	1	0
Uttar Pradesh	CHANDAULI	2012	Kharif	Small millets	1	0
Uttar Pradesh	BAREILLY	2022	Kharif	Moong(Green Gram)	1	0
Uttar Pradesh	PRATAPGARH	2008	Kharif	Groundnut	1	1
Uttar Pradesh	JALAUN	2010	Kharif	Sunflower	1	1
Uttar Pradesh	MEERUT	2008	Kharif	Groundnut	1	1
Uttar Pradesh	SAHARANPUR	2019	Kharif	Arhar/Tur	1	1
Uttar Pradesh	AGRA	2011	Kharif	Groundnut	1	1

Data

Search

Crop_Data
  Σ Area[Heacters]
    Crop
  Σ Crop_Year
    District_Name
  Σ Production[Tons]
    Season
    State_Name

Top 5 Crops by Production ➡ Stacked Bar Chart
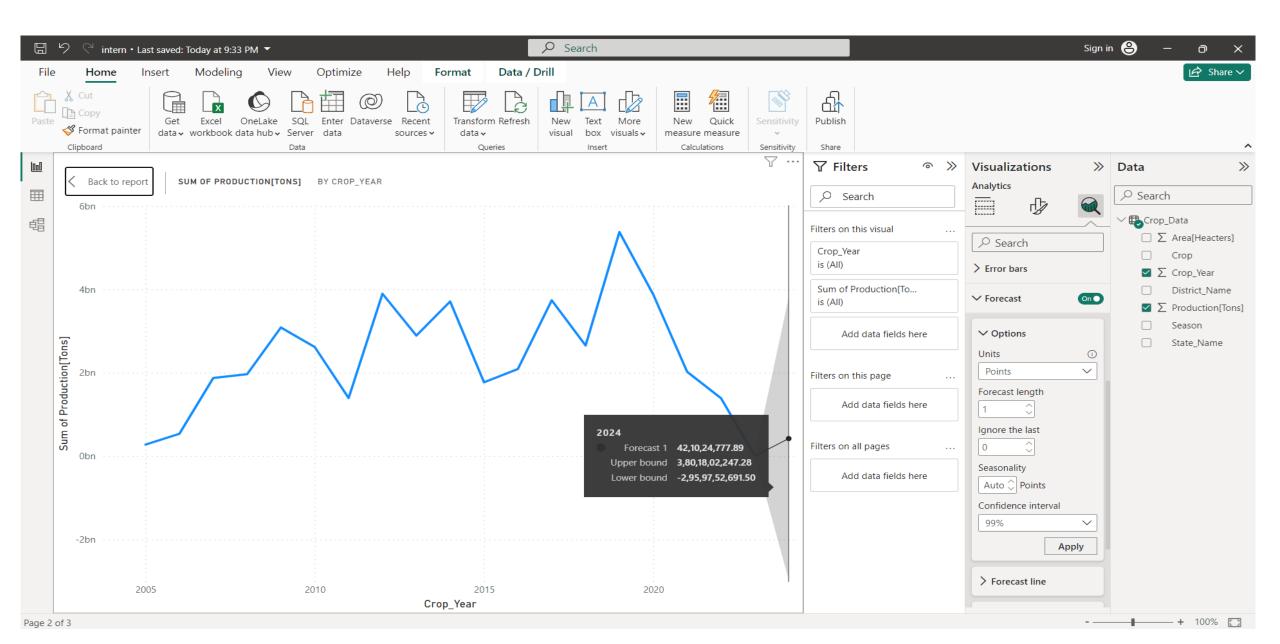
Top 3 States by Production ➡Funnel Chart
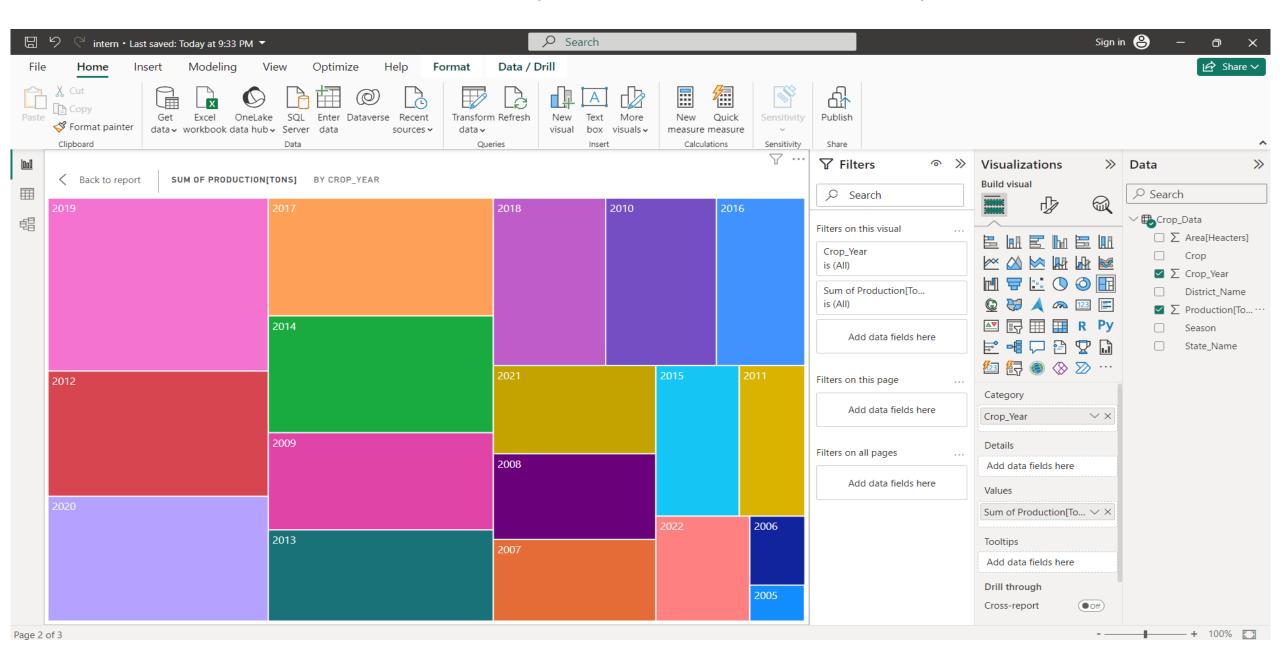
Top 3 Districts by Production ➔Pie Chart
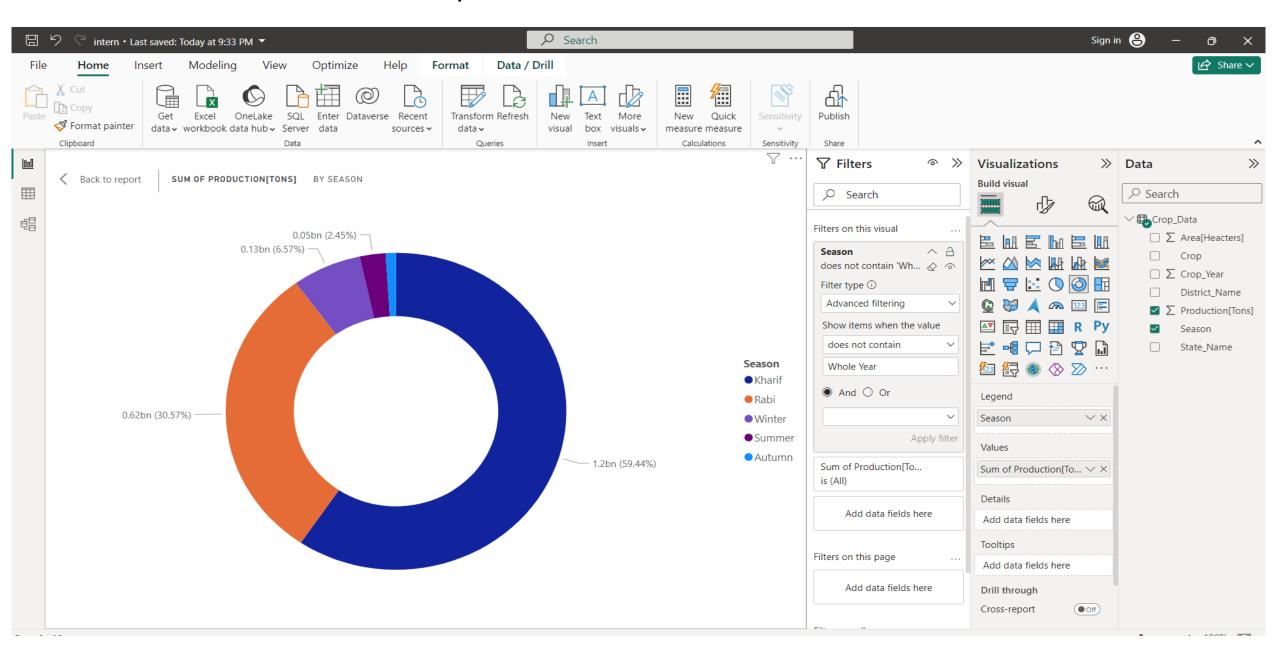
Bottom 3 Districts by Production ➡ Pie Chart

Prediction of Production by 1 Year ➔ Line Chart

Production by Each Year ➡ Treemap

Production by Each Season ➜ Donut Chart

Summary: