Exhaustive Analysis of Indian Agriculture Sector Using Power BI

WEEK1

PROJECT REPORT

Importing, Pre Processing & Data Modelling

ACTIVITY – 1

Downloading the required Softwares

→POWERBI

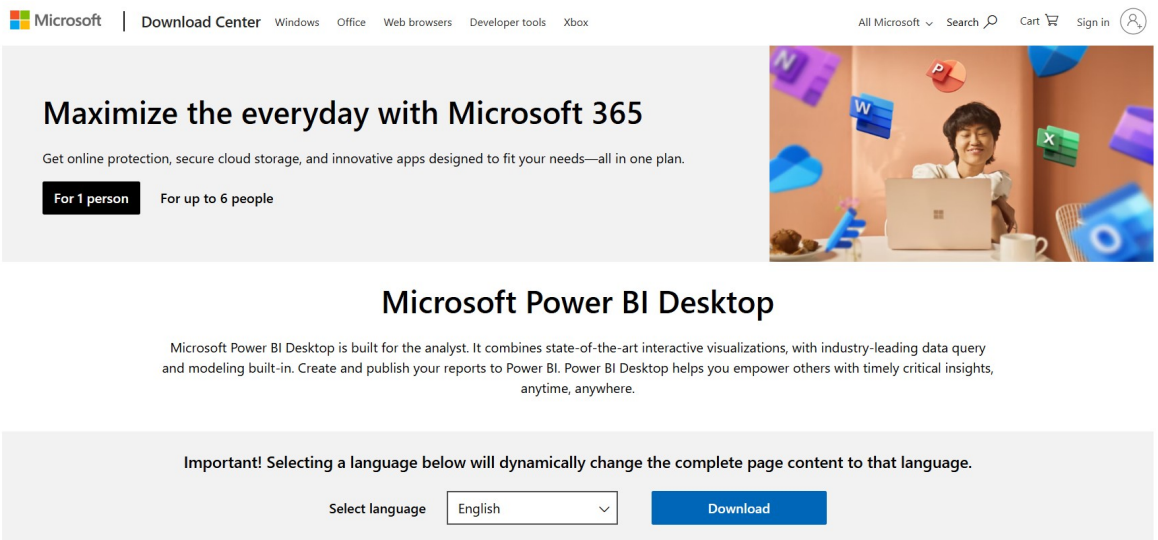
LINK :--

https://www.microsoft.com/en-us/download/details.aspx?id=58494

→EXCEL

→CSV

→MICROSOFT 365 OFFICE



ACTIVITY 2 ::

DOWNLOAD THE DATASET →

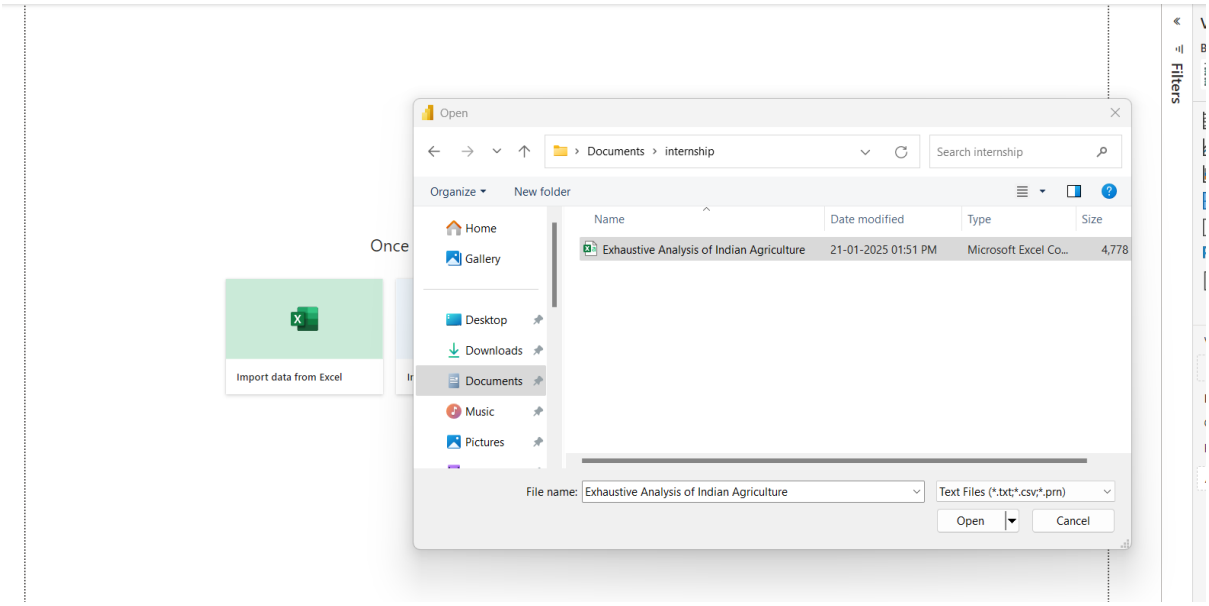
Exhaustive Analysis of Indian Agriculture.CSV

WE CAN DOWNLOAD THE DATASET FROM

SKILLS4FUTHURE(LMS) OR OPENDATA

PROVIDED BY KAGGLE , INDIAN GOV,RTI

NOW WE NEED TO IMPORT IT POWER BI



WE NEED TO SELECT THE METHOD OF IMPORTING ACCORDINLY

FILE WITH SUTIABLE FORMAT……..

ACTIVITY 3 ::->

NOW WE NEED LOAD THE DATA

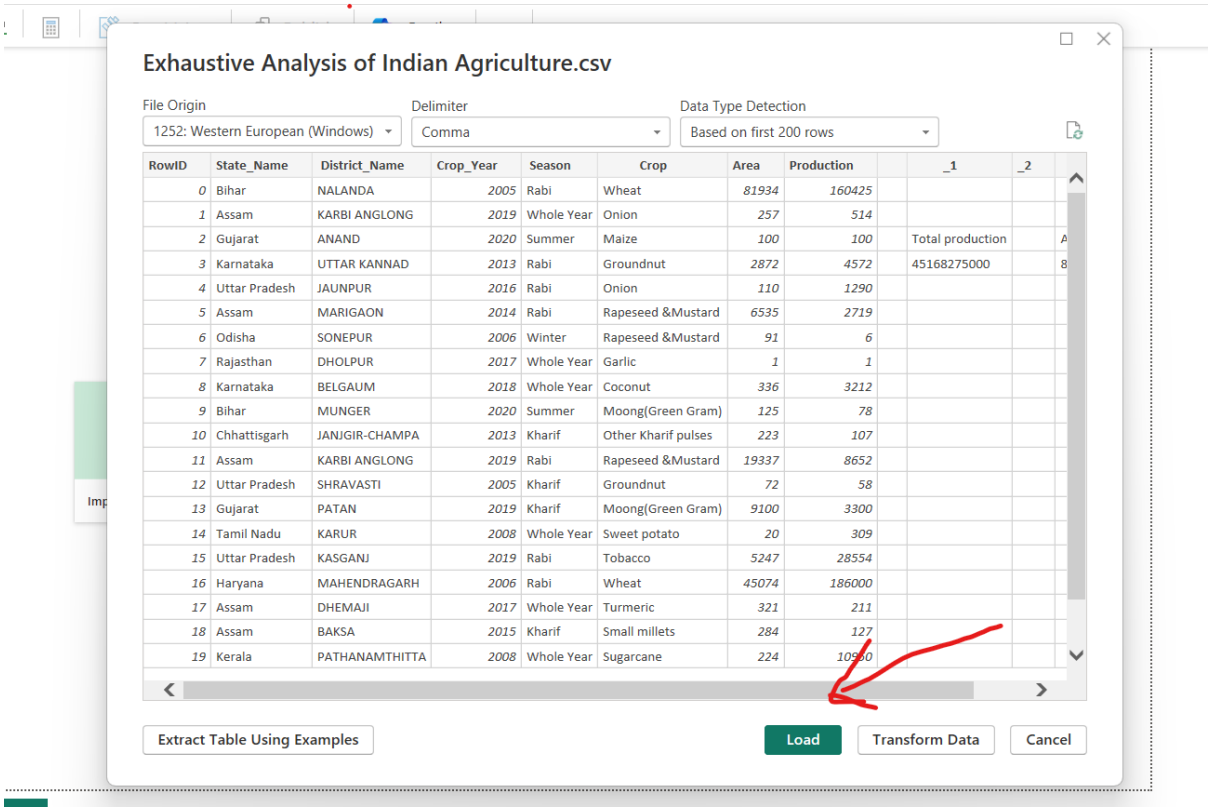
WE ARE USING ETL METHOD

E -> EXTRACT THE DATA/IMPORT THE DATA

T -> TRANSFORM OF DATA

L -> LOAD THE DATA

IMPORTING IS DONE IN ACTIVITY 2



RowID	State_Name	District_Name	Crop_Year	Season	Crop	Area	Production	_1	_2
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	Total production	
3	Karnataka	UTTAR KANNAD	2013	Rabi	Groundnut	2872	4572	45168275000	
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		
9	Bihar	MUNGER	2020	Summer	Moong(Green Gram)	125	78		
10	Chhattisgarh	JANJGIR-CHAMPA	2013	Kharif	Other Kharif pulses	223	107		
11	Assam	KARBI ANGLONG	2019	Rabi	Rapeseed &Mustard	19337	8652		
12	Uttar Pradesh	SHRAVASTI	2005	Kharif	Groundnut	72	58		
13	Gujarat	PATAN	2019	Kharif	Moong(Green Gram)	9100	3300		
14	Tamil Nadu	KARUR	2008	Whole Year	Sweet potato	20	309		
15	Uttar Pradesh	KASGANJ	2019	Rabi	Tobacco	5247	28554		
16	Haryana	MAHENDRAGARH	2006	Rabi	Wheat	45074	186000		
17	Assam	DHEMAJI	2017	Whole Year	Turmeric	321	211		
18	Assam	BAKSA	2015	Kharif	Small millets	284	127		
19	Kerala	PATHANAMTHITTA	2008	Whole Year	Sugarcane	224	10930		

ACTIVITY 4 ->

NOW WE NEED TO TRANSFORM THE DATA

WE COVER

-→ REMOVING BLANK ROWS/COLUMS

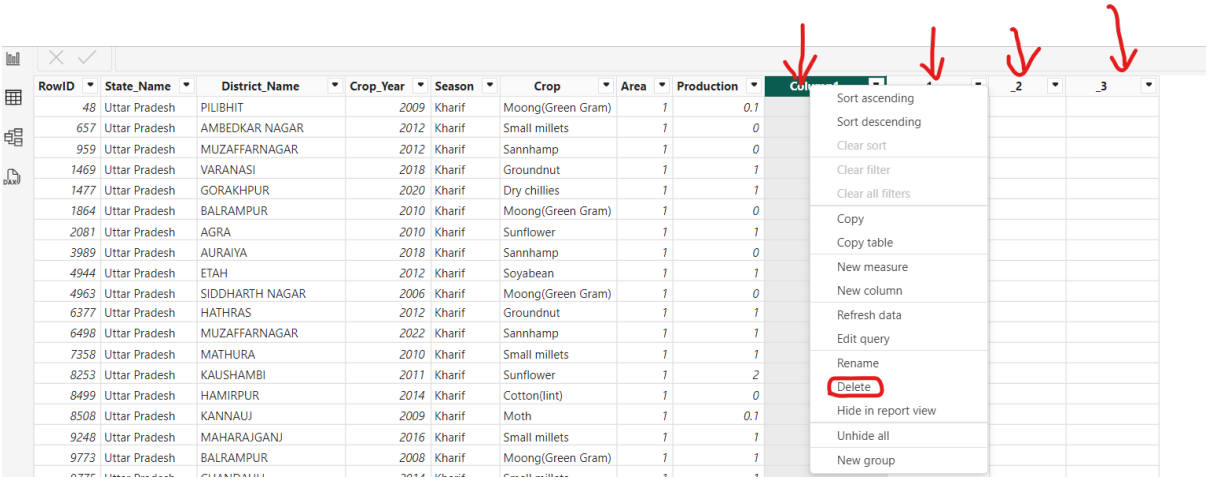
→REMOVING NULL VALUES

➔ADDING COUNTER TO CHECK THE QUALITY OF COLUMNS

STEP 1 ----

-→ REMOVING BLANK ROWS/COLUMS

IN TABLE VIEW



RowID	State_Name	District_Name	Crop_Year	Season	Crop	Area	Production	Column1	1	_2	_3
48	Uttar Pradesh	PILIBHIT	2009	Kharif	Moong(Green Gram)	1	0.1				
657	Uttar Pradesh	AMBEDKAR NAGAR	2012	Kharif	Small millets	1	0				
959	Uttar Pradesh	MUZAFFARNAGAR	2012	Kharif	Sannhamp	1	0				
1469	Uttar Pradesh	VARANASI	2018	Kharif	Groundnut	1	1				
1477	Uttar Pradesh	GORAKHPUR	2020	Kharif	Dry chillies	1	1				
1864	Uttar Pradesh	BALRAMPUR	2010	Kharif	Moong(Green Gram)	1	0				
2081	Uttar Pradesh	AGRA	2010	Kharif	Sunflower	1	1				
3989	Uttar Pradesh	AURAIYA	2018	Kharif	Sannhamp	1	0				
4944	Uttar Pradesh	ETAH	2012	Kharif	Soyabean	1	1				
4963	Uttar Pradesh	SIDDHARTH NAGAR	2006	Kharif	Moong(Green Gram)	1	0				
6377	Uttar Pradesh	HATHRAS	2012	Kharif	Groundnut	1	1				
6498	Uttar Pradesh	MUZAFFARNAGAR	2022	Kharif	Sannhamp	1	1				
7358	Uttar Pradesh	MATHURA	2010	Kharif	Small millets	1	1				
8253	Uttar Pradesh	KAUSHAMBI	2011	Kharif	Sunflower	1	2				
8499	Uttar Pradesh	HAMIRPUR	2014	Kharif	Cotton(lint)	1	0				
8508	Uttar Pradesh	KANNAUJ	2009	Kharif	Moth	1	0.1				
9248	Uttar Pradesh	MAHARAJGANJ	2016	Kharif	Small millets	1	1				
9773	Uttar Pradesh	BALRAMPUR	2008	Kharif	Moong(Green Gram)	1	1				

Sort ascending
Sort descending
Clear sort
Clear filter
Clear all filters
Copy
Copy table
New measure
New column
Refresh data
Edit query
Rename
Delete
Hide in report view
Unhide all
New group

AFTER DELETING THE COLUNM 1,2,3

RowID	State_Name	District_Name	Crop_Year	Season	Crop	Area	Production
48	Uttar Pradesh	PILIBHIT	2009	Kharif	Moong(Green Gram)	1	0.1
657	Uttar Pradesh	AMBEDKAR NAGAR	2012	Kharif	Small millets	1	0
959	Uttar Pradesh	MUZAFFARNAGAR	2012	Kharif	Sannhamp	1	0
1469	Uttar Pradesh	VARANASI	2018	Kharif	Groundnut	1	1
1477	Uttar Pradesh	GORAKHPUR	2020	Kharif	Dry chillies	1	1
1864	Uttar Pradesh	BALRAMPUR	2010	Kharif	Moong(Green Gram)	1	0
2081	Uttar Pradesh	AGRA	2010	Kharif	Sunflower	1	1
3989	Uttar Pradesh	AURAIYA	2018	Kharif	Sannhamp	1	0
4944	Uttar Pradesh	ETAH	2012	Kharif	Soyabean	1	1

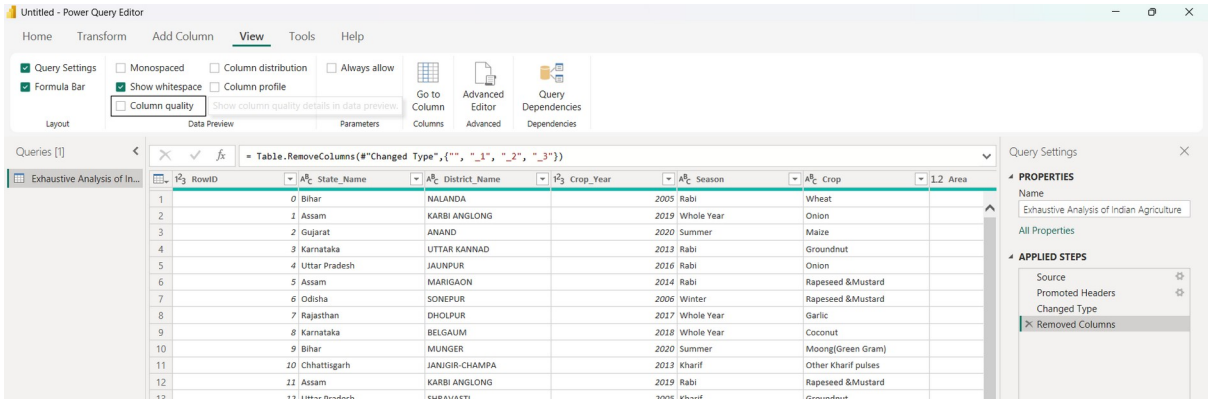
NOW WE GOING TRANFORM QUERY :

WHICH HELPS TO CLEAN DATA

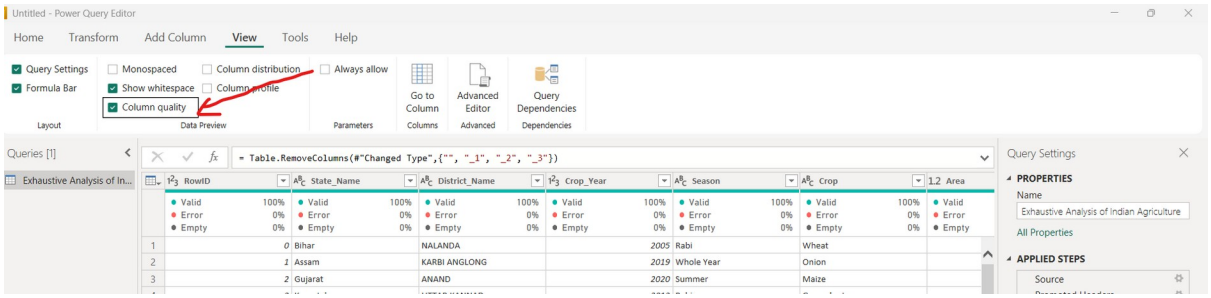
REMOVE DUPLICATE VALUES

AND CLEAN BLANK LINES

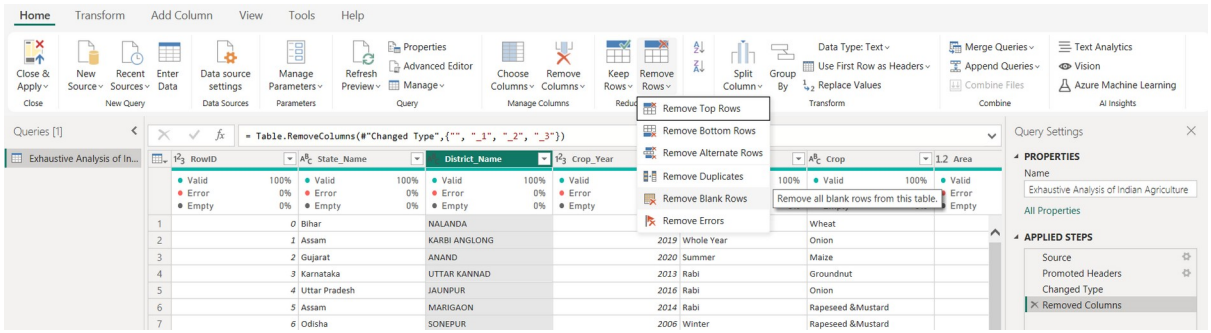
POWER QUERY EDITOR →



NOW WE ADD QUALITY COLUMN AND REMOVE BLANK LINES



NOW WE CAN REMOVE BLANK LINES



COMPLETED----------

REPORT ON WEEK1 PROJECT

DONE BY JONNADA NIHANTH REDDY .