

Week 1 -  
Gaurav Singh

Name –

1. Power BI - Its a analytical and reporting tool . create multiple graph .
2. BI - Business intelligence (Contains multiple tool ).
3. In this we are using PowerBI - Is a product of Microsoft .
4. ETL -  
Extract - Pull data from data source : excel , csv , text , database File .  
Transform - Data processing , data cleaning .  
Load - For analysis .
5. Analysis - Keep facts , insights via dashboards .
6. Click on Load - When your data is cleaned .

7. Click on Transform - when you want to process the data .

Exhaustive Analysis of Indian Agriculture.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
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	A
3	Karnataka	UTTAR KANNAD	2013	Rabi	Groundnut	2872	4572	45168275000	8
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	JANJIR-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	28534		
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	10950		

Extract Table Using Examples | Load | Transform Data | Cancel

8. Report View - for Visualization .

9. table View - See the data .

Untitled - Power BI Desktop

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Name Exhaustive Analysis...

Manage relationships Relationships

New measure measure column Calculations

New table

Mark as date table Calendars

Structure

State\_Name District\_Name Crop\_Year Season Crop Area Production

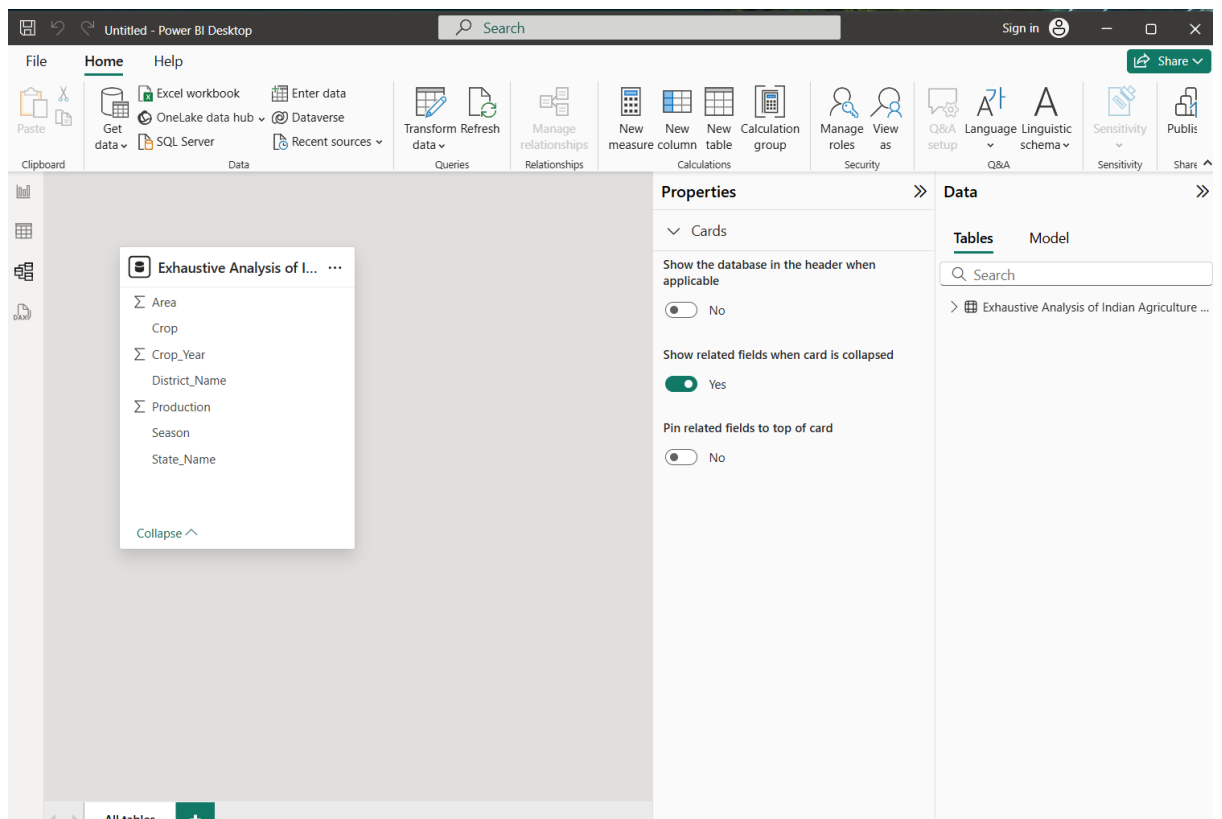
Uttar Pradesh	LALITPUR	2016	Kharif	Sweet potato	47	578
Uttar Pradesh	MATHURA	2014	Kharif	Cotton(lint)	1453	333
Uttar Pradesh	BALRAMPUR	2014	Kharif	Sweet potato	2	27
Uttar Pradesh	AURAIYA	2015	Kharif	Sannhamp	10	2
Uttar Pradesh	FIROZABAD	2009	Kharif	Sunflower	33	38
Uttar Pradesh	BANDA	2014	Kharif	Soyabean	170	166
Uttar Pradesh	MORADABAD	2005	Kharif	Small millets	5	3
Uttar Pradesh	SHAHJAHANPUR	2006	Kharif	Soyabean	163	68
Uttar Pradesh	PILIBHIT	2009	Kharif	Sunflower	50	97
Uttar Pradesh	AMROHA	2014	Kharif	Sweet potato	96	1310
Uttar Pradesh	GHAZIIPUR	2018	Kharif	Sannhamp	5	2
Uttar Pradesh	MAU	2016	Kharif	Dry chillies	5	5
Uttar Pradesh	ALLAHABAD	2006	Kharif	Small millets	360	197
Uttar Pradesh	UNNAO	2016	Kharif	Guar seed	59	50
Uttar Pradesh	SITAPUR	2021	Kharif	Guar seed	40	33
Uttar Pradesh	AMROHA	2022	Kharif	Sweet potato	41	508
Uttar Pradesh	HARDOI	2018	Kharif	Dry chillies	508	445
Uttar Pradesh	FAIZABAD	2009	Kharif	Sunflower	5	6
Uttar Pradesh	CHITRAKOOT	2016	Kharif	Guar seed	30	25
Uttar Pradesh	ALIGARH	2021	Kharif	Dry chillies	27	22
Uttar Pradesh	KHERI	2010	Kharif	Small millets	185	105
Uttar Pradesh	AGRA	2012	Kharif	Cotton(lint)	240	35
Uttar Pradesh	SONBHADRA	2017	Kharif	Sannhamp	78	15
Uttar Pradesh	FIROZABAD	2013	Kharif	Sannhamp	7	2
Uttar Pradesh	SHRAVASTI	2019	Kharif	Sweet potato	21	273
Uttar Pradesh	AZAMGARH	2006	Kharif	Ragi	18	23
Uttar Pradesh	BARABANKI	2014	Kharif	Small millets	567	361
Uttar Pradesh	RAMPUR	2020	Kharif	Guar seed	5	4
Uttar Pradesh	GHAZIIPUR	2007	Kharif	Small millets	27	15

Data

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10. Model View - So that we can create relationship among data



## 11. Delete the free table – ( By Clicking on the particular column and right click)

