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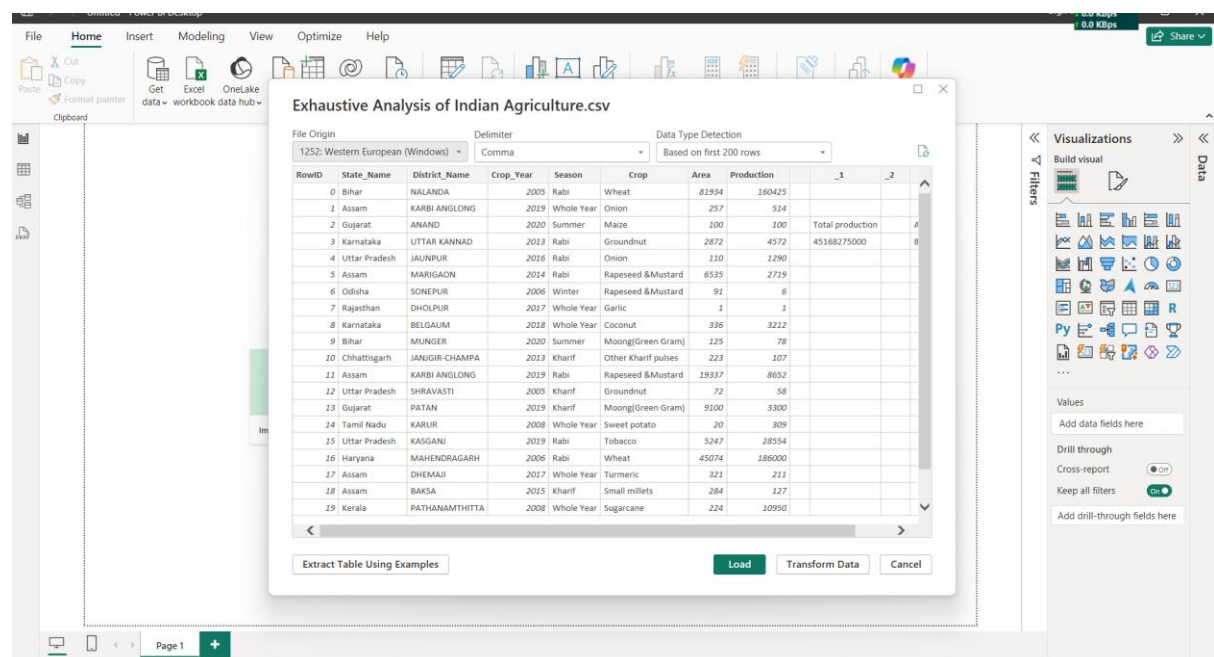
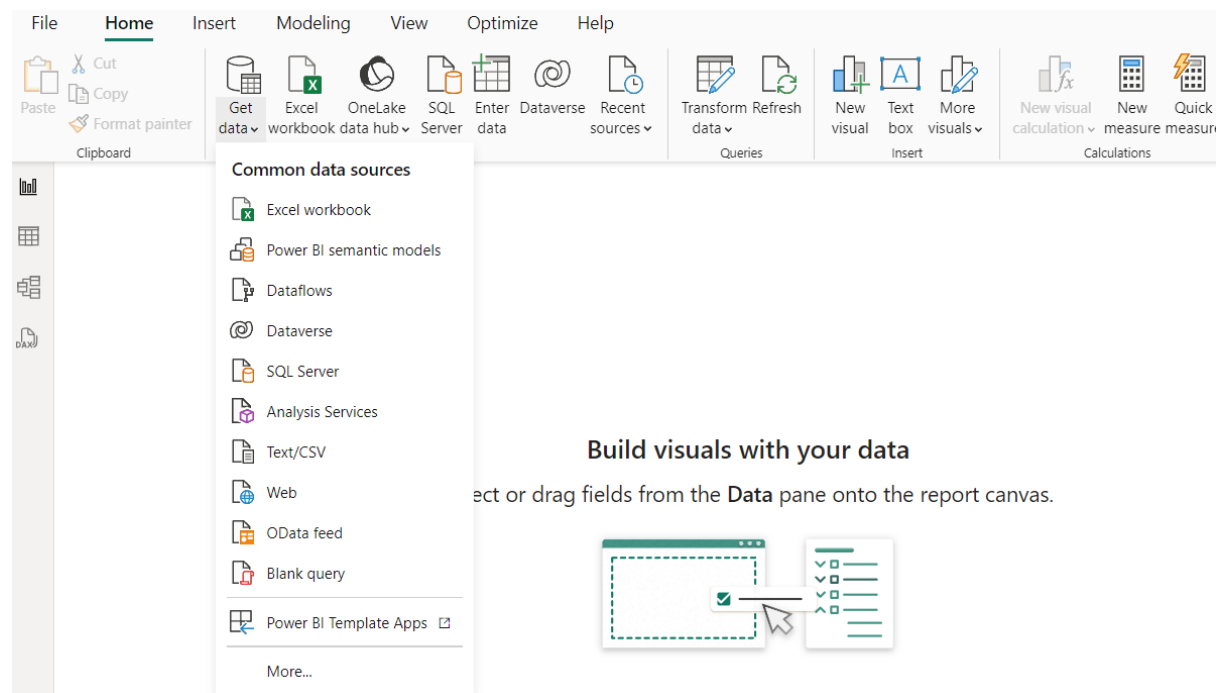
AICTE Internship ID: INTERNSHIP_1733138870674d99b64cb4b

Project Name: Exhaustive Analysis of Indian Agriculture using Power BI

Week 1

Step 1: Loading data

first of all I opened the Microsoft powerbi and go to the get data tab and choose the option text/csv then it will load the data as shown in the diagram below.



Step 2: Transforming or cleaning data

Once the data is loaded then click on transform the data button it will open the power query editor where one can transform the data.

cleaning of data have different different steps some of are shown in the below diagrams as follow:

- step of cleaning the data are
- 1) removed unnecessary columns
 - 2) checked null values

Before cleaning the data

Table: RemoveColumns(#"Changed Type", ("RowID", "", "_1", "_2", "_3"))

District_Name	Crop_Year	Season	Crop	Area	Production
SUNDEPUR	2009	Winter	Garlic	1	1
DHOLPUR	2017	Whole Year	Coconut	336	3212
BELGAUM	2020	Summer	Moong(Green Gram)	125	78
MUNGER	2023	Kharif	Other Kharif pulses	223	107
KARBI ANGLONG	2019	Rabi	Rapeseed & Mustard	19337	8652
SHRAVASTI	2005	Kharif	Groundnut	72	58
PATAN	2019	Kharif	Moong(Green Gram)	9100	3300
KARUR	2008	Whole Year	Sweet potato	20	309
KASGANI	2019	Rabi	Tobacco	5247	28554
MAHENDRAGARH	2006	Rabi	Wheat	45074	186004
DHEMALI	2017	Whole Year	Turmeric	321	211
BAKSA	2015	Kharif	Small millets	284	127
PATHANAMTHITTA	2008	Whole Year	Sugarcane	224	10950
JANIGIR-CHAMPA	2018	Rabi	Linseed	2497	658
DHAMTARI	2020	Whole Year	Banana	46	1520
BELLARY	2016	Rabi	Maize	3418	7487
TINSUKIA	2020	Autumn	Rice	5806	7964
RAE BARELI	2016	Kharif	Maize	11	13
KOLAR	2020	Rabi	Cowpea(Lobia)	14	5
NEEMUCH	2019	Whole Year	Sesamum	780	456
BARDHAMAN	2015	Kharif	Sannhamp	37	275
NAYAGARH	2011	Whole Year	Dry chillies	510	430
AMRITSAR	2006	Rabi	Peas & beans (Pulses)	400	300
BANSWARA	2013	Kharif	Jowar	688	197
KADAPA	2012	Kharif	Ragi	25	35
NABARANGPUR	2012	Whole Year	Garlic	82	263

After cleaning the data

Table: Exhaustive Analysis of Indian Agriculture (73,827 rows)

District_Name	Crop_Year	Season	Crop	Area	Production
PILIBHIT	2009	Kharif	Moong(Green Gram)	1	0.1
AMBEDKAR NAGAR	2012	Kharif	Small millets	1	0
MUZAFFARNAGAR	2012	Kharif	Sannhamp	1	0
VARANASI	2018	Kharif	Groundnut	1	1
GORAKHPUR	2020	Kharif	Dry chillies	1	1
BALRAMPUR	2010	Kharif	Moong(Green Gram)	1	0
AGRA	2010	Kharif	Sunflower	1	1
AURAIYA	2018	Kharif	Sannhamp	1	0
ETAH	2012	Kharif	Soyabean	1	1
SIDDHARTH NAGAR	2006	Kharif	Moong(Green Gram)	1	0
HATHRAS	2012	Kharif	Groundnut	1	1
MUZAFFARNAGAR	2022	Kharif	Sannhamp	1	1
MATHURA	2010	Kharif	Small millets	1	1
KAUSHAMBI	2011	Kharif	Sunflower	1	2
HAMIRPUR	2014	Kharif	Cotton(lint)	1	0
KANNALI	2009	Kharif	Moth	1	0.1
MAHARAJGANJ	2016	Kharif	Small millets	1	1
BALRAMPUR	2008	Kharif	Moong(Green Gram)	1	1
CHANDAUJI	2014	Kharif	Small millets	1	1
GONDA	2015	Kharif	Sannhamp	1	0
CHANDAUJI	2012	Kharif	Small millets	1	0
BAREILLY	2022	Kharif	Moong(Green Gram)	1	0
PRATAPGARH	2008	Kharif	Groundnut	1	1
JALAUN	2010	Kharif	Sunflower	1	1
MEERUT	2008	Kharif	Groundnut	1	1
SAHARANPUR	2019	Kharif	Arhar/Tur	1	1
AGRA	2017	Kharif	Groundnut	1	1
FIROZABAD	2008	Kharif	Groundnut	1	1
PILIBHIT	2018	Kharif	Dry chillies	1	1
HARDOI	2018	Kharif	Dry ginger	1	3

