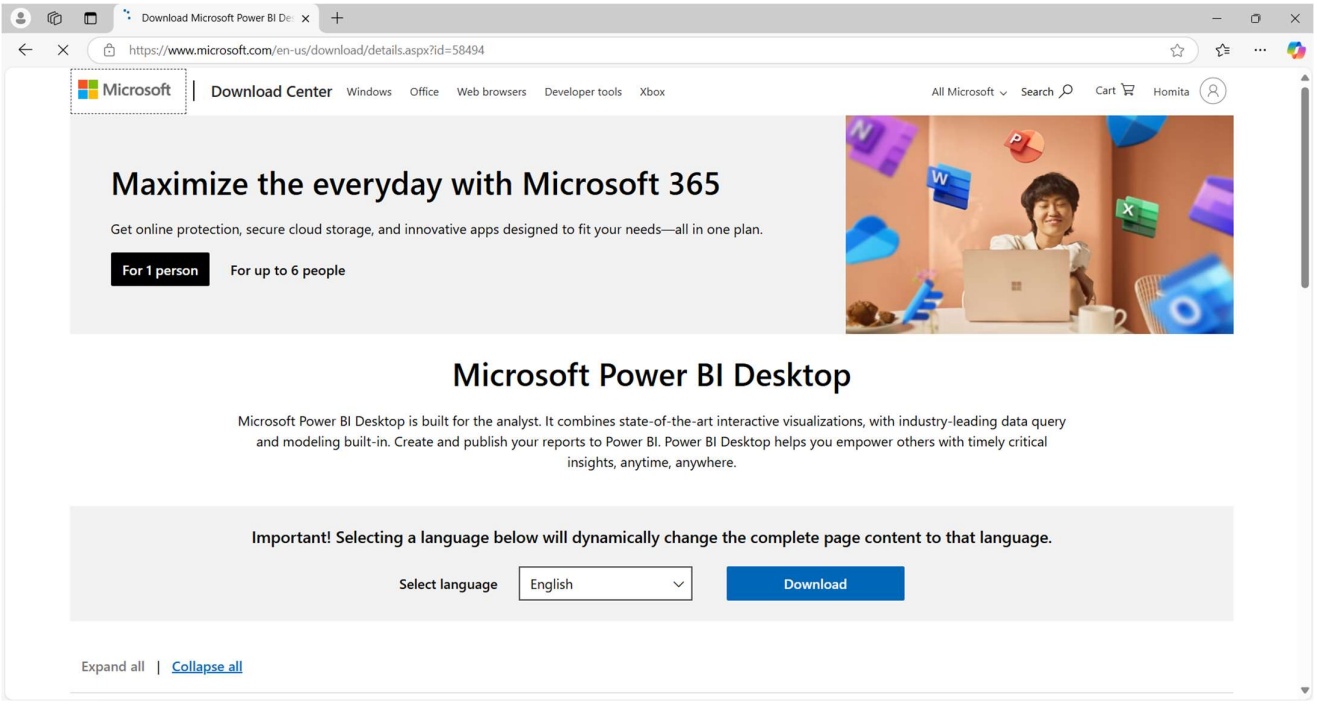
PowerBI:-

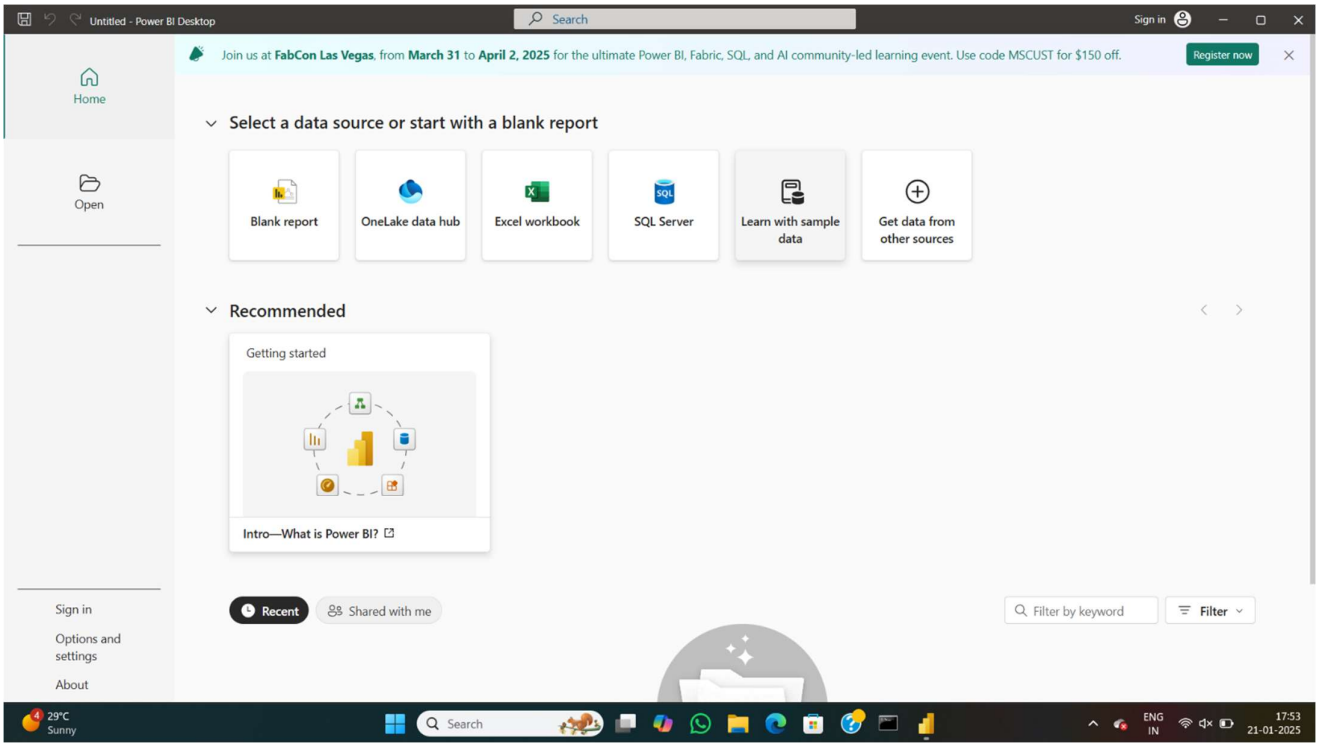
Power BI is a business Intelligence tool. It is a Product of Microsoft. In this tool we handle the process of ETL(Extract, transform and LOAD).

STEPS TO DELETE THE COLUMNS

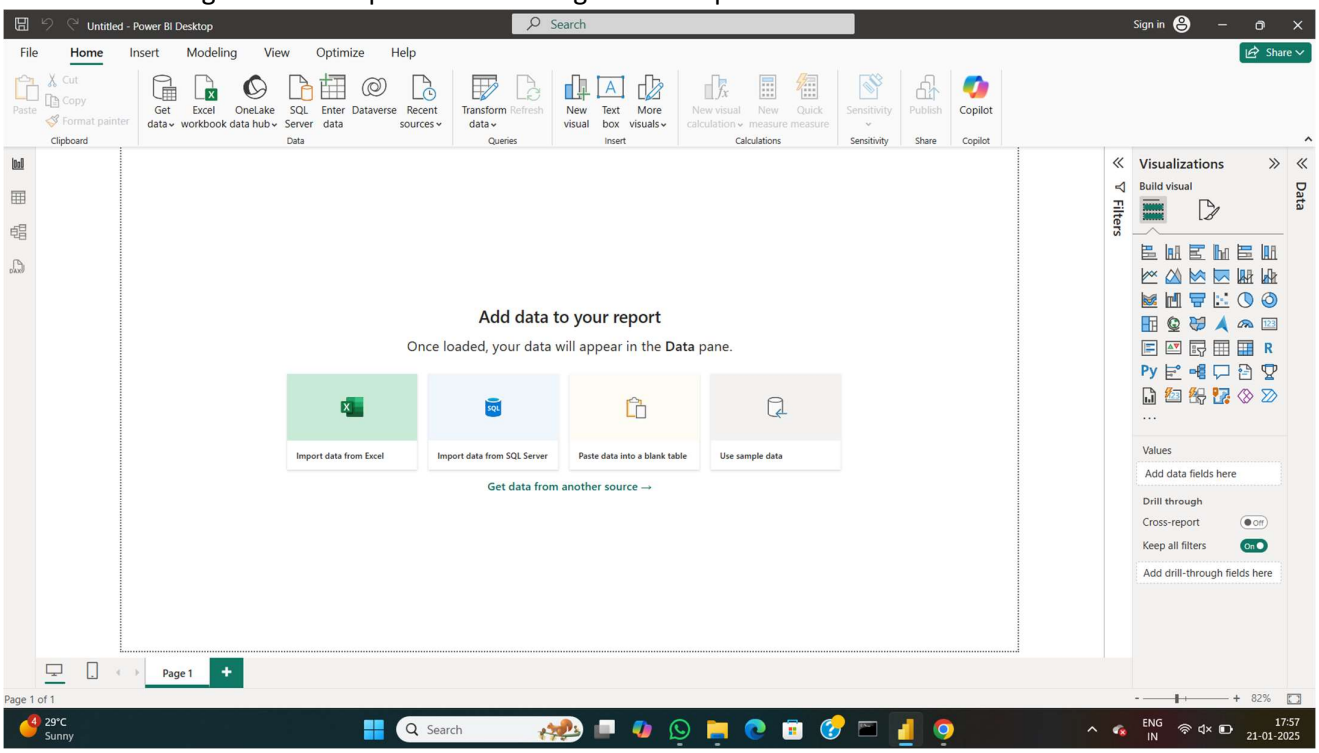
1.Firstly we have to download and install the power BI from its website.



2.After installing the power BI, the following is how the power BI desktop looks liks. From this we have to select the Blank report.

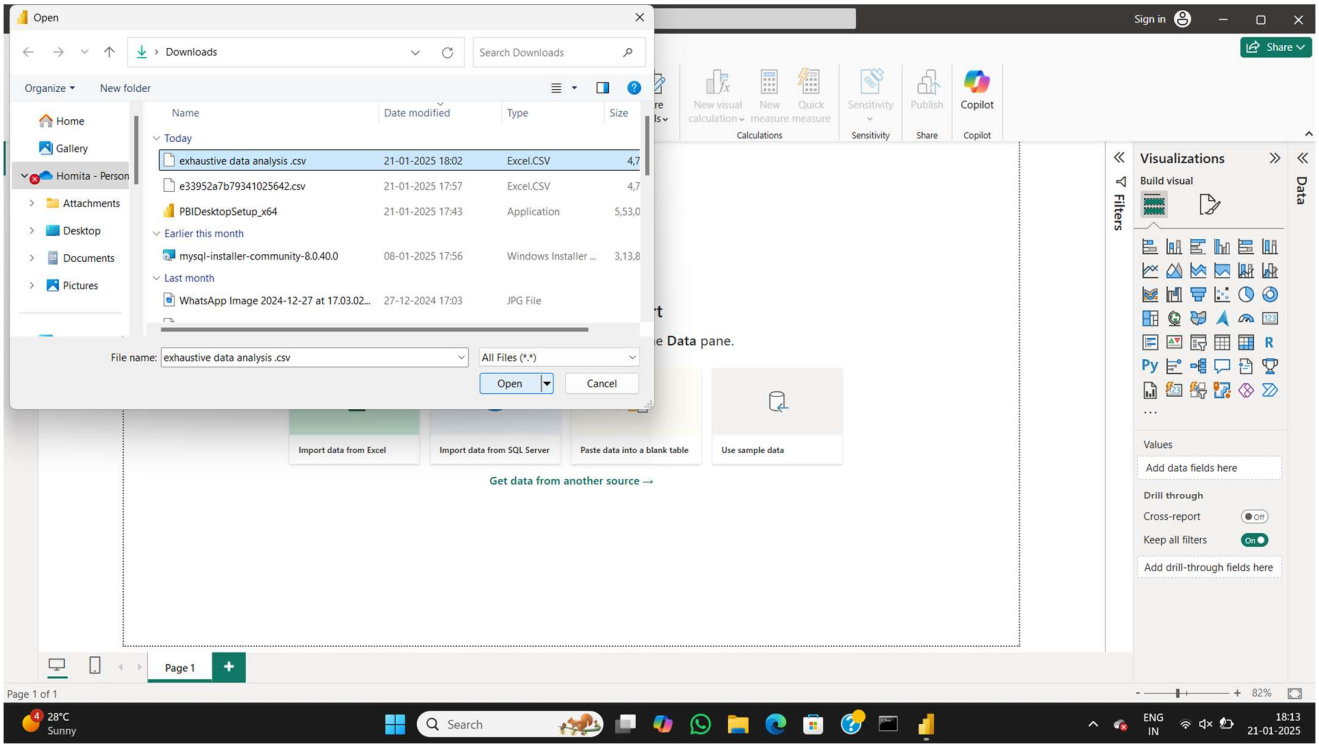


3. After selecting the blank report the following window opens.

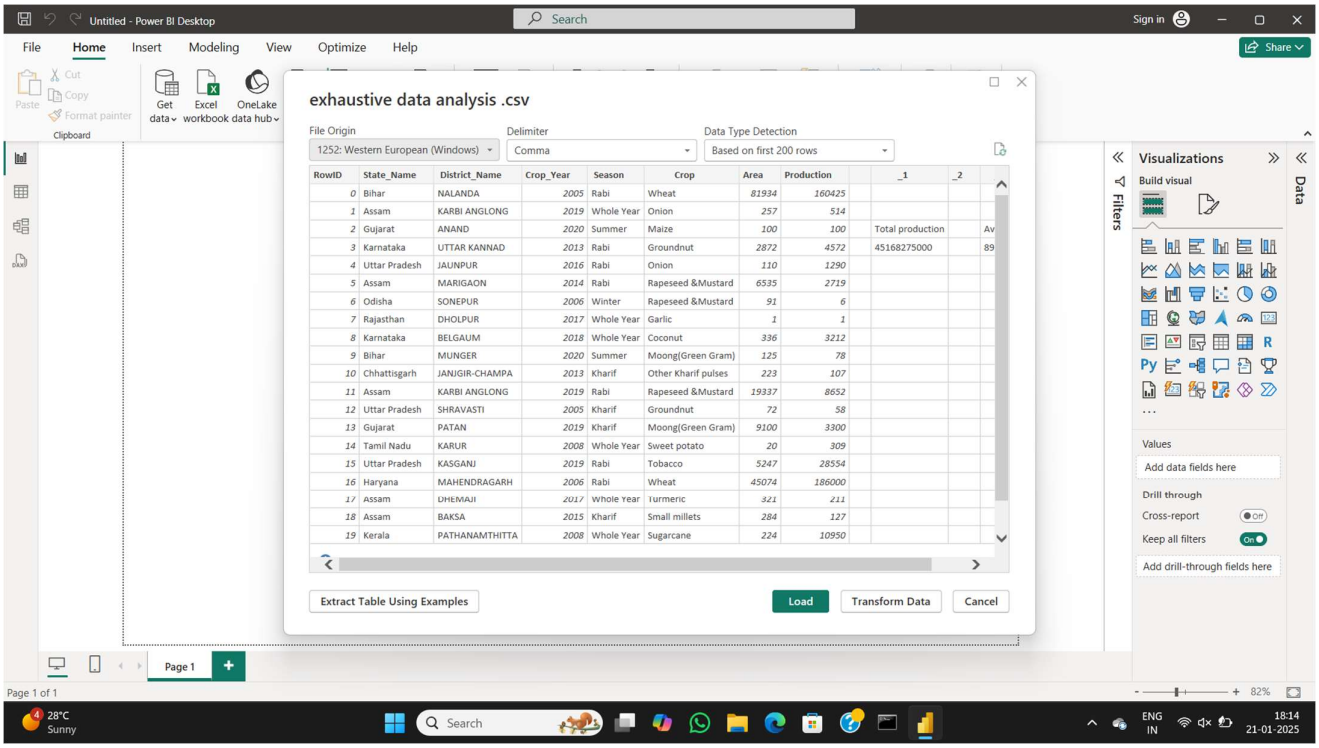


Here at extreme right there are visualizations, they are called as a pent or canvas, which are use for drawing charts. beside that there is another called filters used to filter the data.

4. To extract the data set or the data file, at the home tab there is one option called get data click on that from that whichever the type of your data like excel ore CSE select data and the following window gets opened.

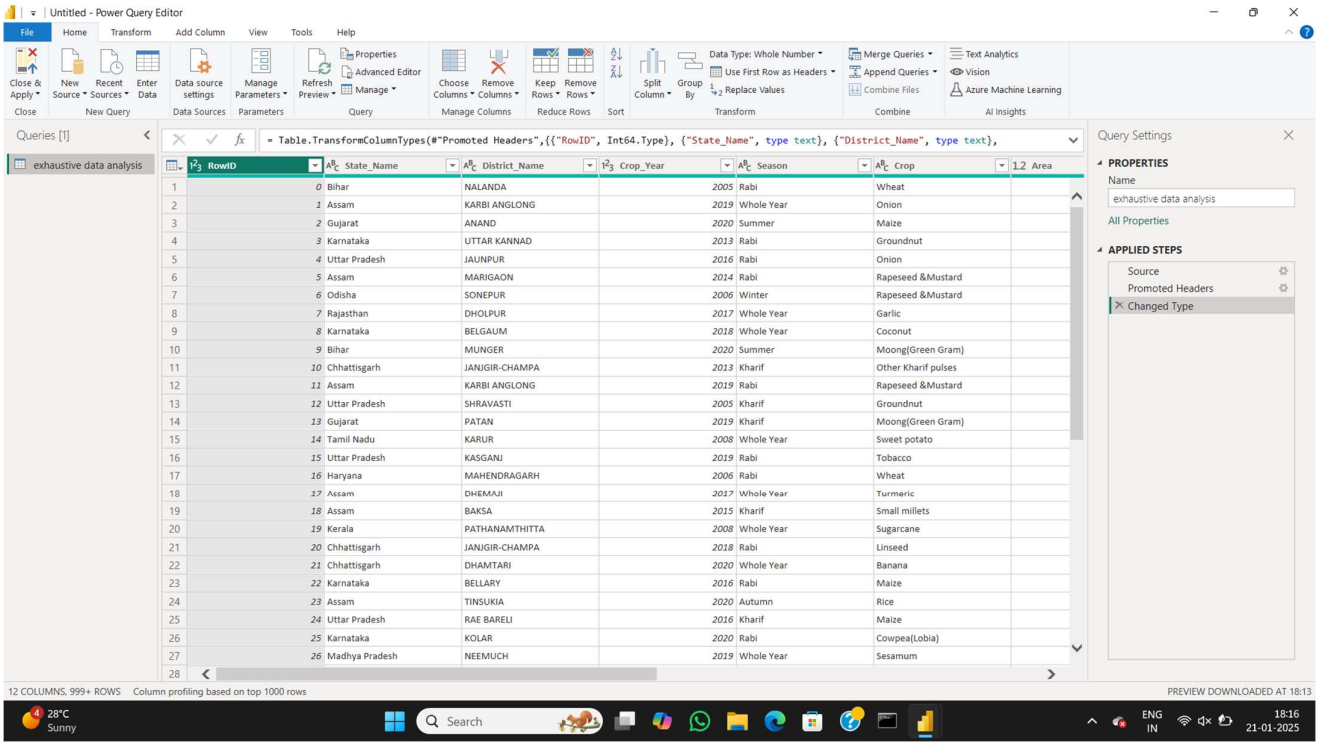


5. After opening this the following window opened with the three options Load, Transform data, Cancel. Load: when your data is cleaned, Transform data: when you want to process the data. Either we have to choose transform data or load option. If we choose load option then no need to worry the transform option is also given in the home, from there we can transform the data.

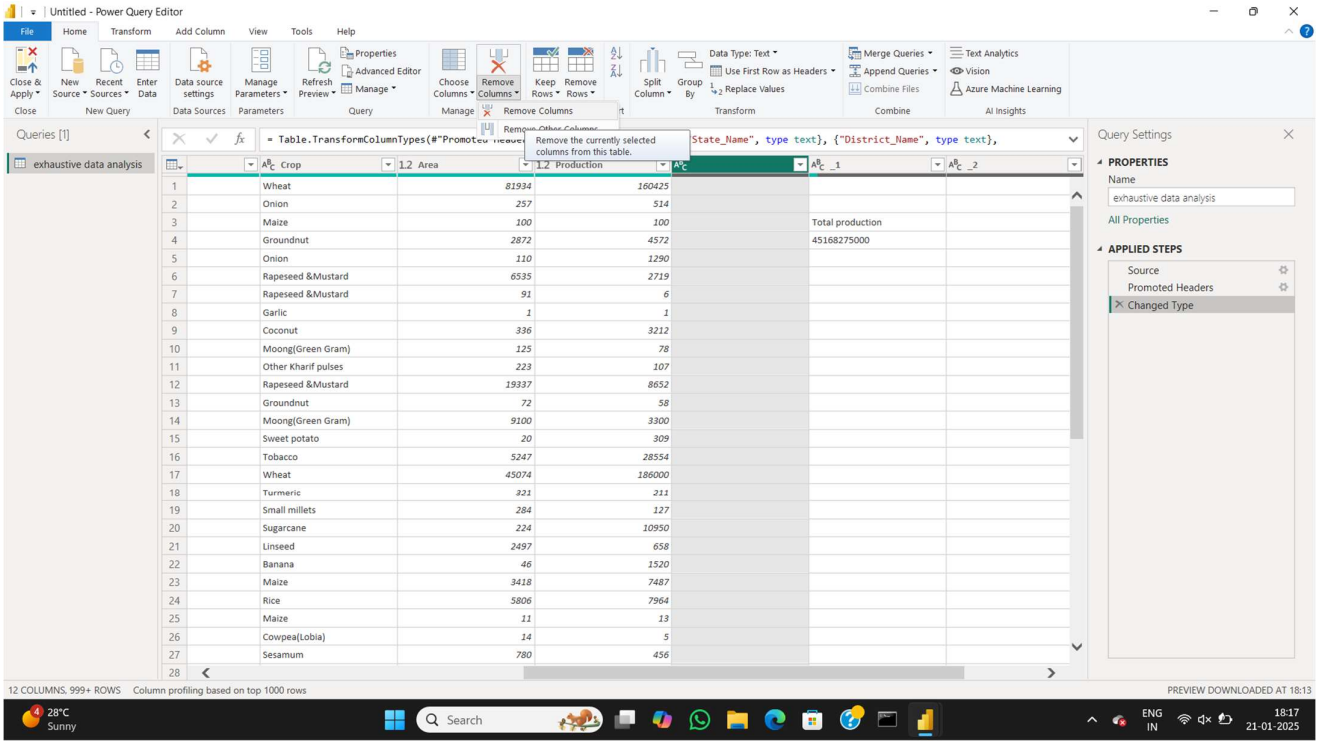


At the left side there are three views that are report view (for visualization), table view(see the data)and model view(to create relationships among data).

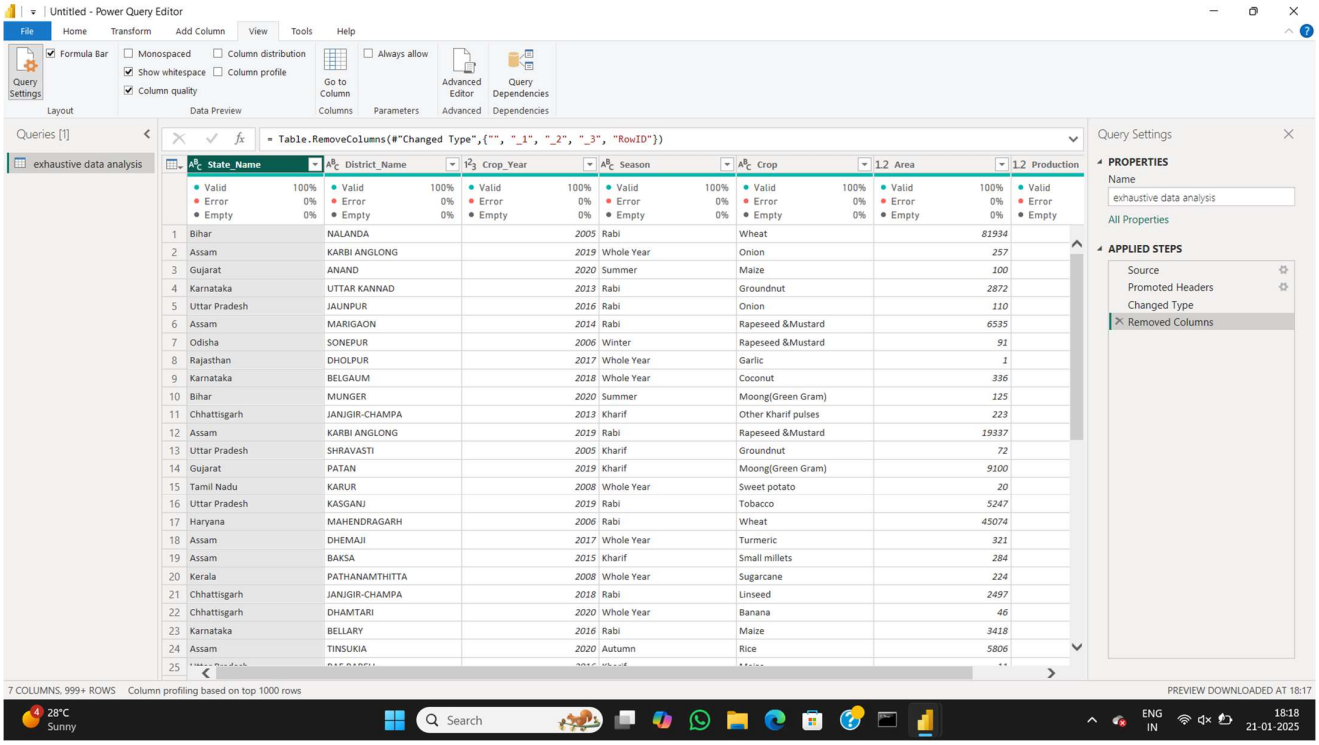
6. Now after selecting the option of transform data, the new window is opened, what called as Power Query Editor. In which we can do the operation on data.



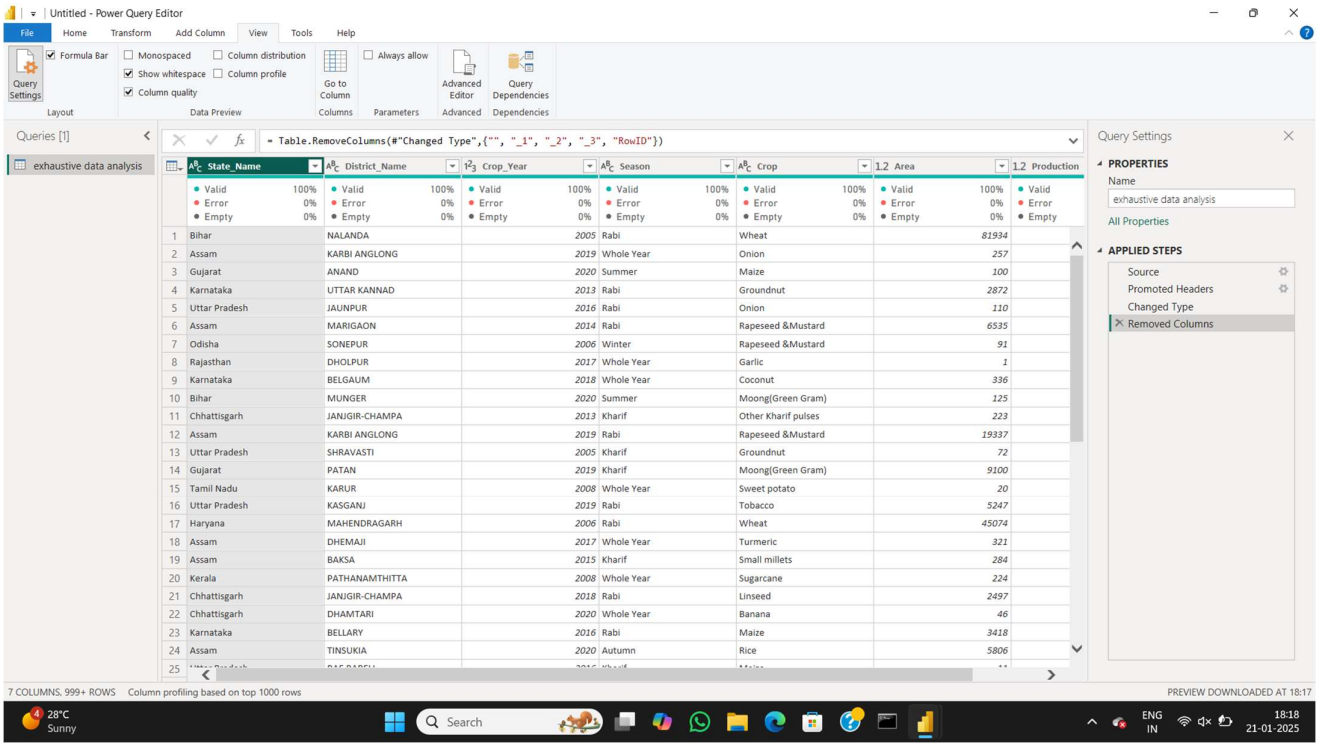
7. Now in the data set or in the data files , there are some unwanted columns which are not useful for us. To delete such columns we have to select that particular column or columns and at the above bar there is options like remove rows ,keep rows , remove column, choose column etc , from that we have to select the remove column option to remove the column OR right click on the column to remove the column.



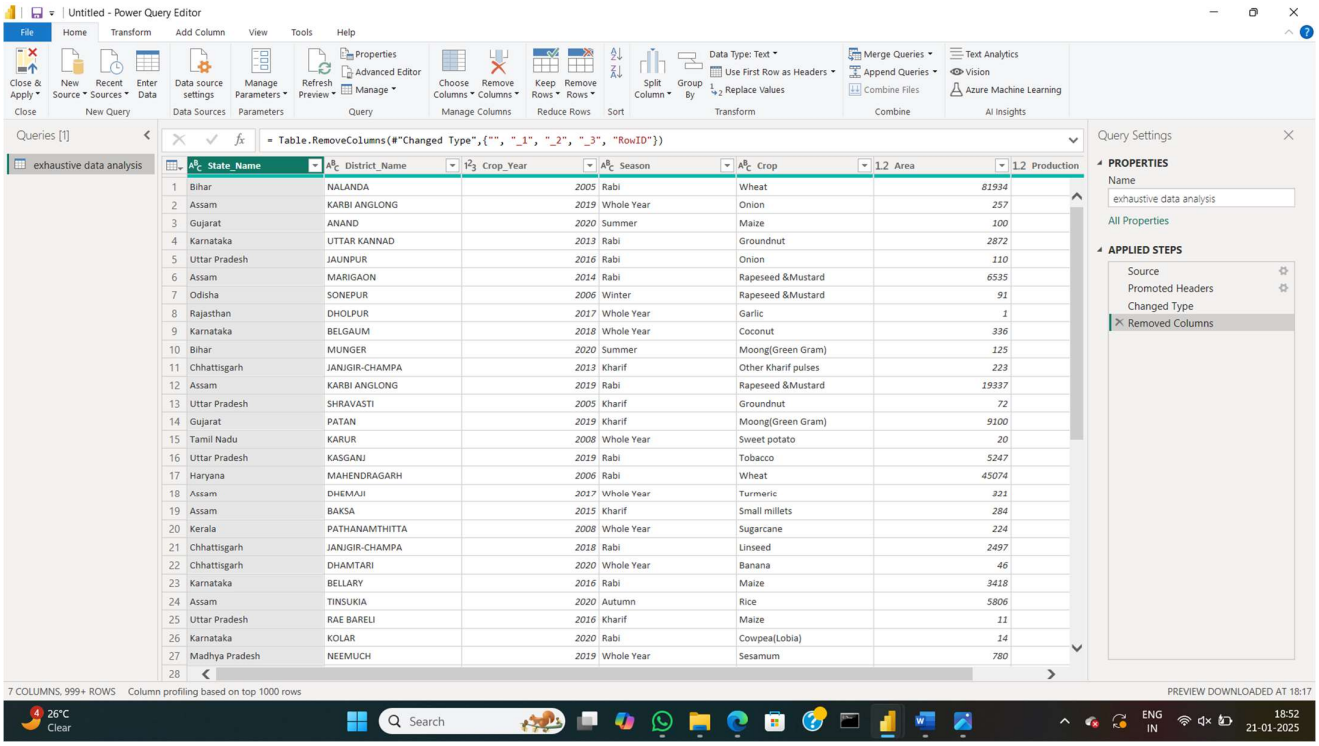
8. If the useful column is by mistake deleted then no need to worry at the right side there is one column in which the option of removed columns are present we have to just click on it to get back the removed column. If there are null rows or errors go to home tab in the bar , there is ine option called remove rows in that after clicking on that there are options like remove empty rows ,remove errors, remove duplicates etc from that we can remove it.



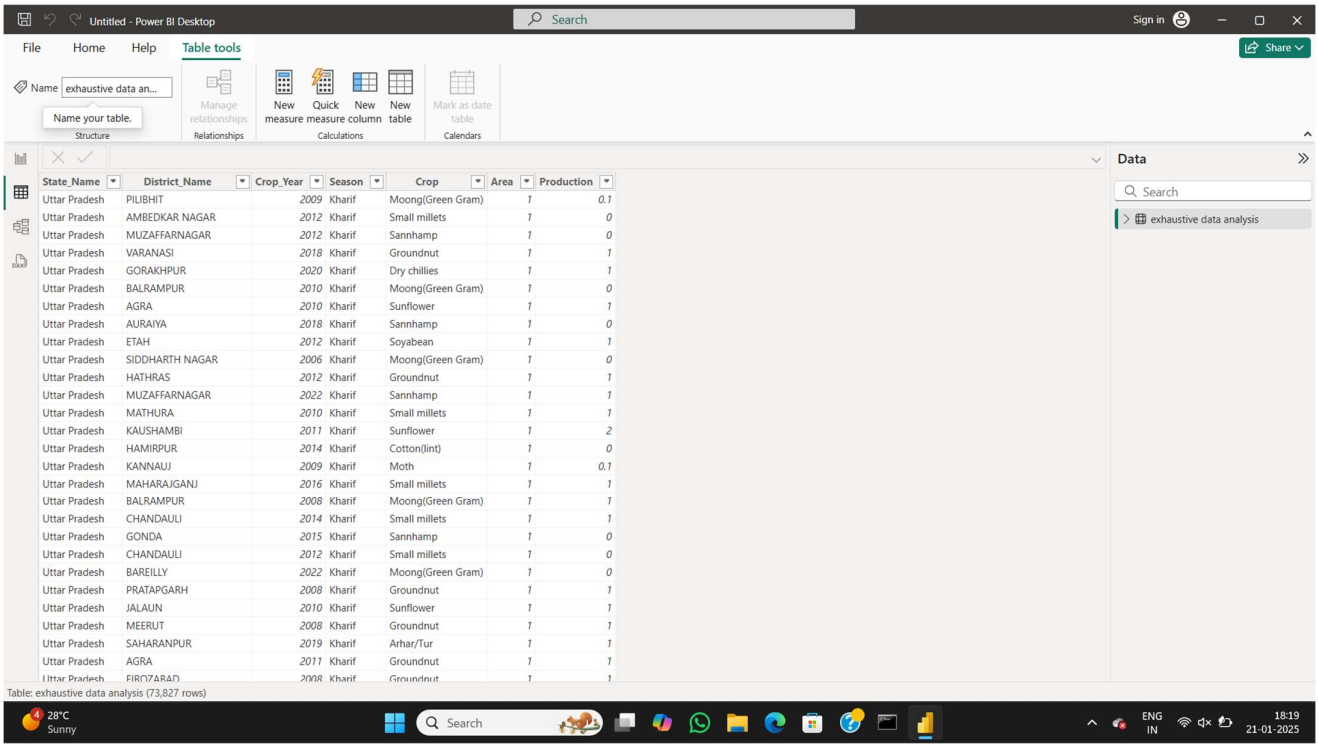
Also there is one tab on the bar called view from that we can see the quality of the column like errors or empty rows etc.
Also there are options to change the values at every column there is abc or 123 , after clicking on that we can change the format of the text



9. And finally to save the changes there is one option on the top left corner close and apply .after selection that option the changes are saved.



10.In the table view we can see the data as follows.



State_Name	District_Name	Crop_Year	Season	Crop	Area	Production
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
Uttar Pradesh	FIROZABAD	2008	Kharif	Groundnut	1	1