EXHAUSTIVE ANALYSIS OF INDIAN AGRICULTURE SECTOR USING POWER BI

<u>INTRODUCTION</u>

- Power BI is a business intelligence and data visualization tool developed by Microsoft.
- In Microsoft Power BI there are three view :

Report View: Visualize the data using charts and graphs.

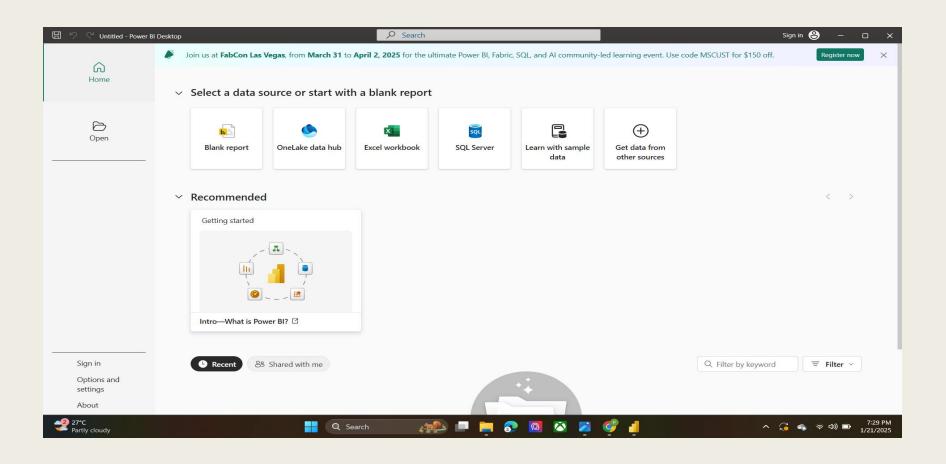
Table View: Examine raw data in tabular format.

Model View: Establish relationships among data for analysis.

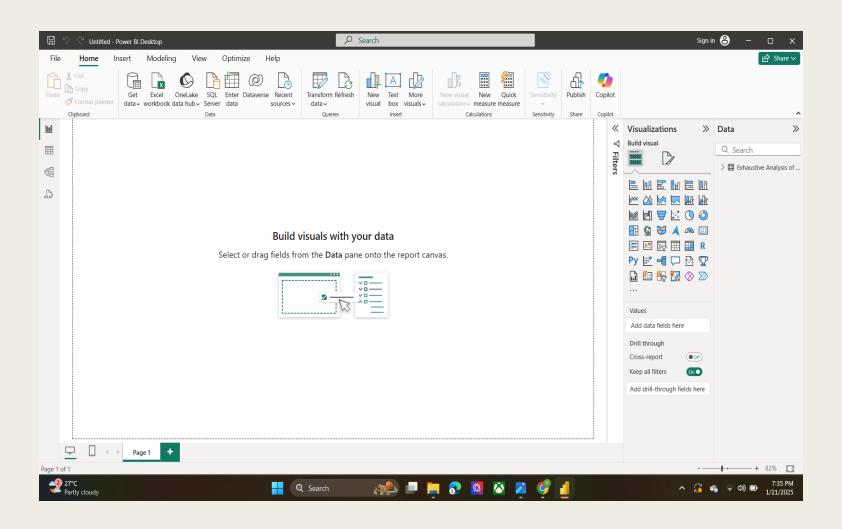
- Then we have to know the three terms ETL (Extract-Transform-Load)
- Extract: Pull data from a data source, such as an Excel file.
- Transform: Process and clean the extracted data to ensure consistency, accuracy, and usability.
- Load: Save the transformed data into a target format, such as a CSV or database file, for analysis.

Firstly install the Microsoft Power BI.

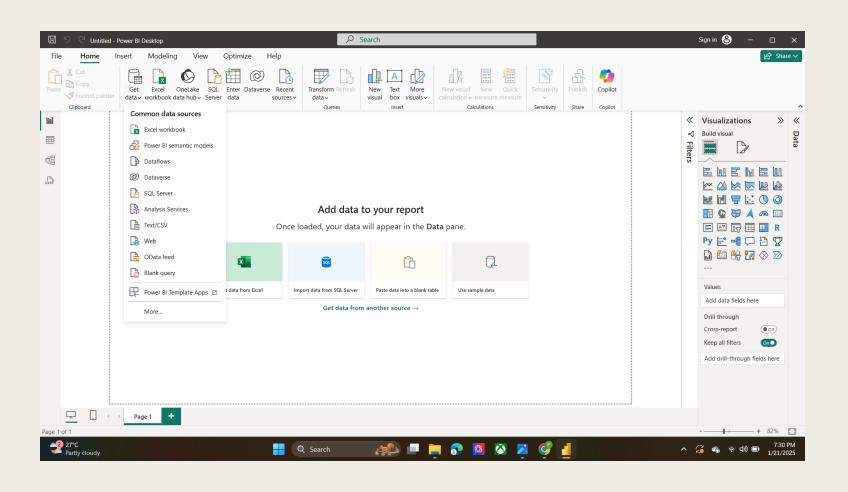
Select the data source or start with a blank report.



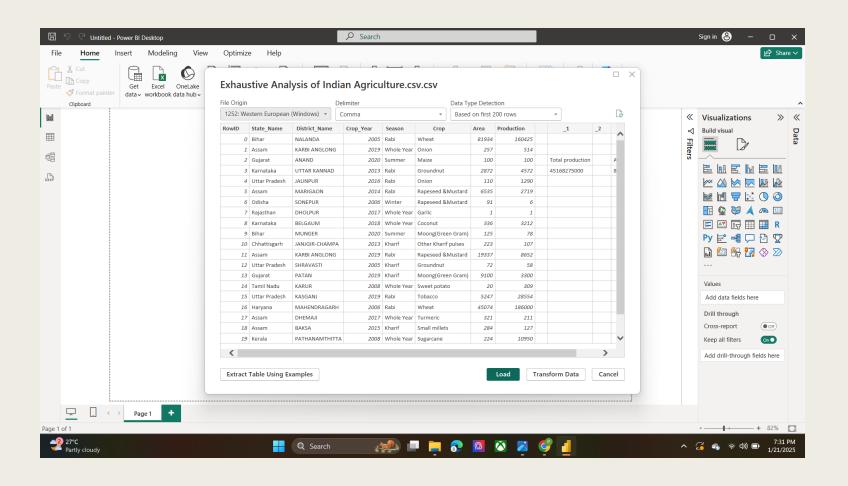
Then the Power BI Desktop will be display as below.



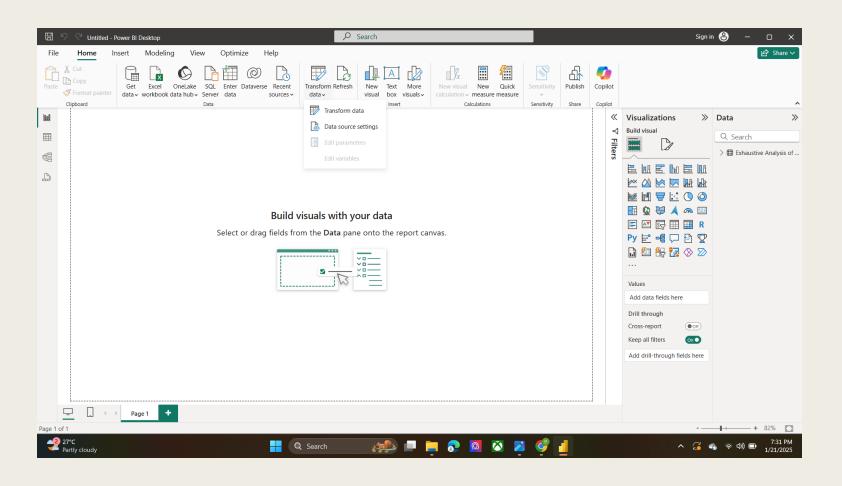
We have to import the any data format (cleaned or not cleaned data). We can click on Get data from the top of the desktop. In that we choose what type of your data format is.



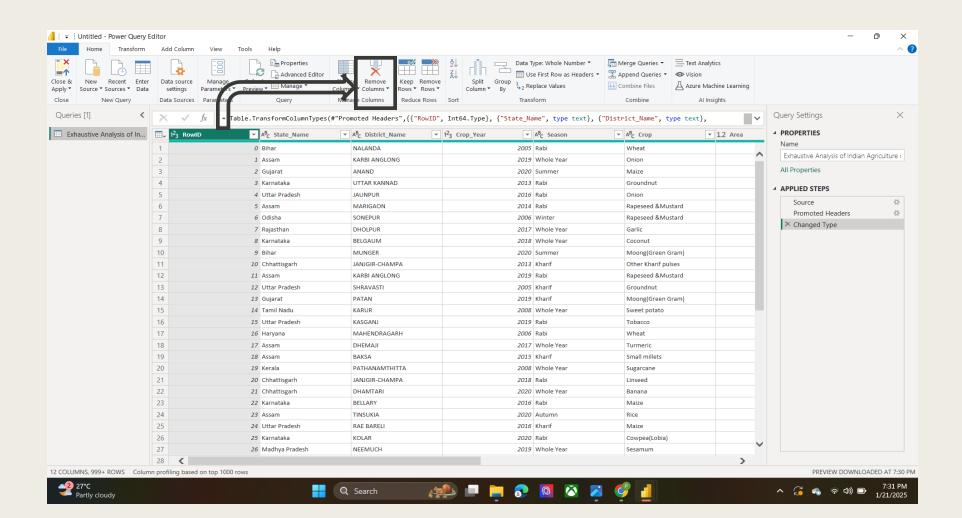
Then the data can be imported.



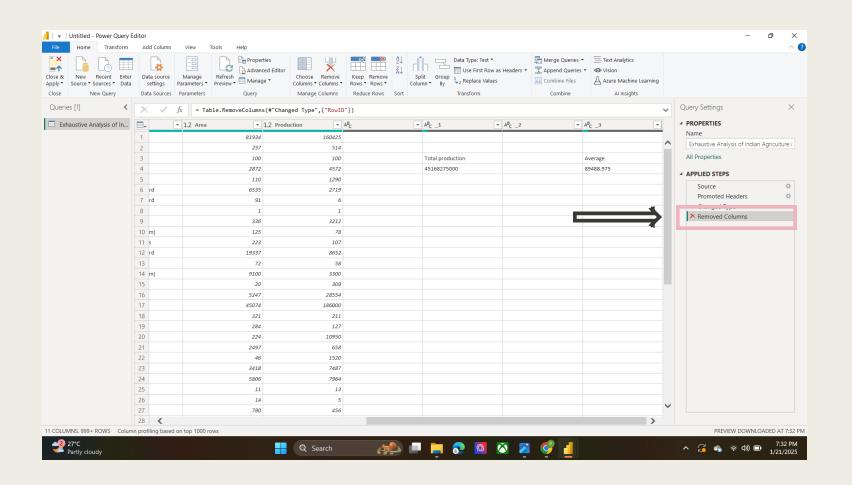
Some data are not cleaned so we have to clean the data. By clicking on transform data icon from top of the desktop. Then click transform data.



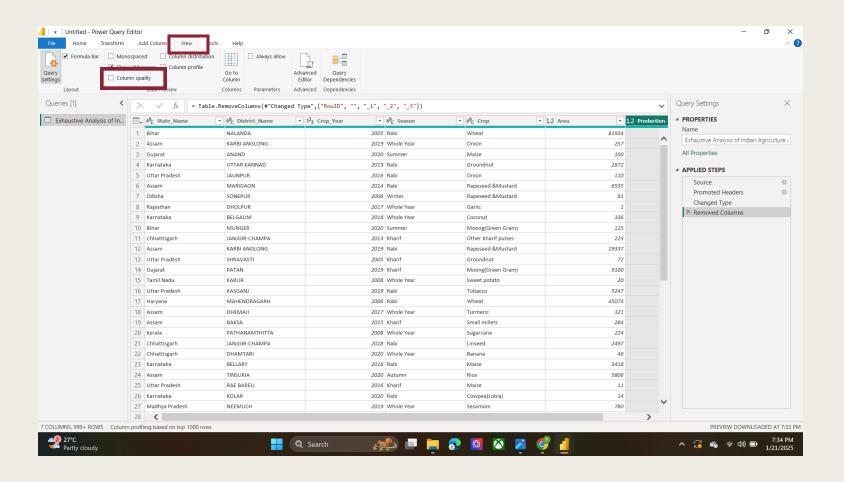
We need to select the unwanted columns from our dataset. In this we need to select the columns and top of the desktop we see the remove columns.



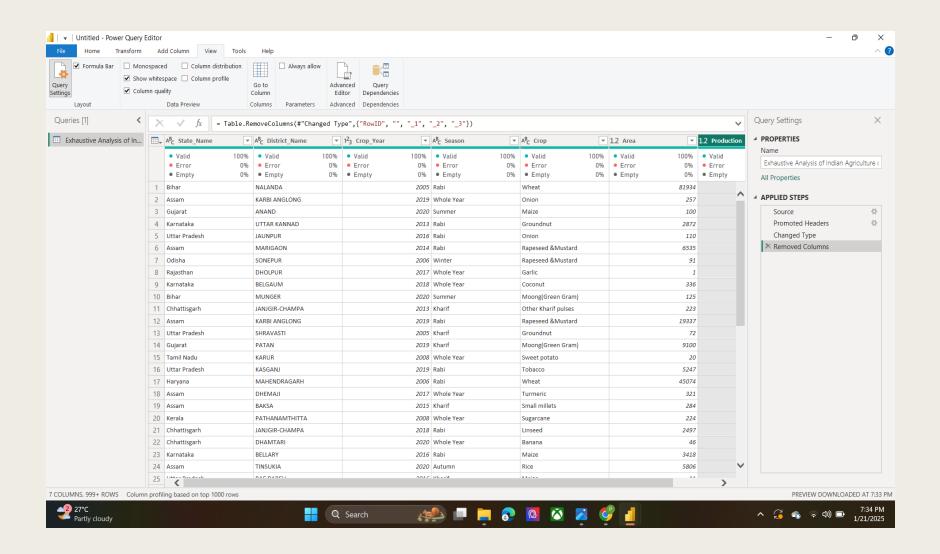
If we want to undo the deleted columns. By clicking on removed columns from right hand side of the table.



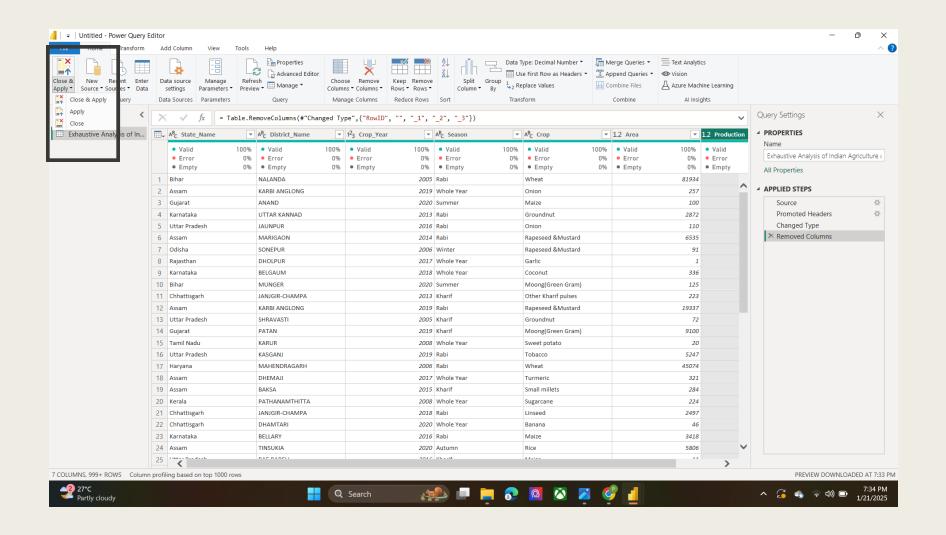
We need to know how many empty value are they in our dataset. By clicking view tab from the top and select the column quality it will display. It will also show how many error values.



Then it will display as below.



Then finally apply and close the dataset.



THANKYOU