
EXHAUSTIVE ANALYSIS OF INDIAN AGRICULTURE USING POWER BI

Introduction: The "Exhaustive Analysis of Indian Agriculture Using Power BI" leverages the tool's capabilities to transform agricultural data into actionable insights. By utilizing Power Query for data extraction and transformation, data modelling to establish relationships, and DAX for custom calculations, Power BI enables in-depth analysis. Its powerful visualizations, predictive analytics, and AI insights help forecast trends like crop yield, weather impact, and market prices. Additionally, the Power BI Service facilitates real-time collaboration, empowering stakeholders to make informed decisions that enhance agricultural productivity and sustainability in India.

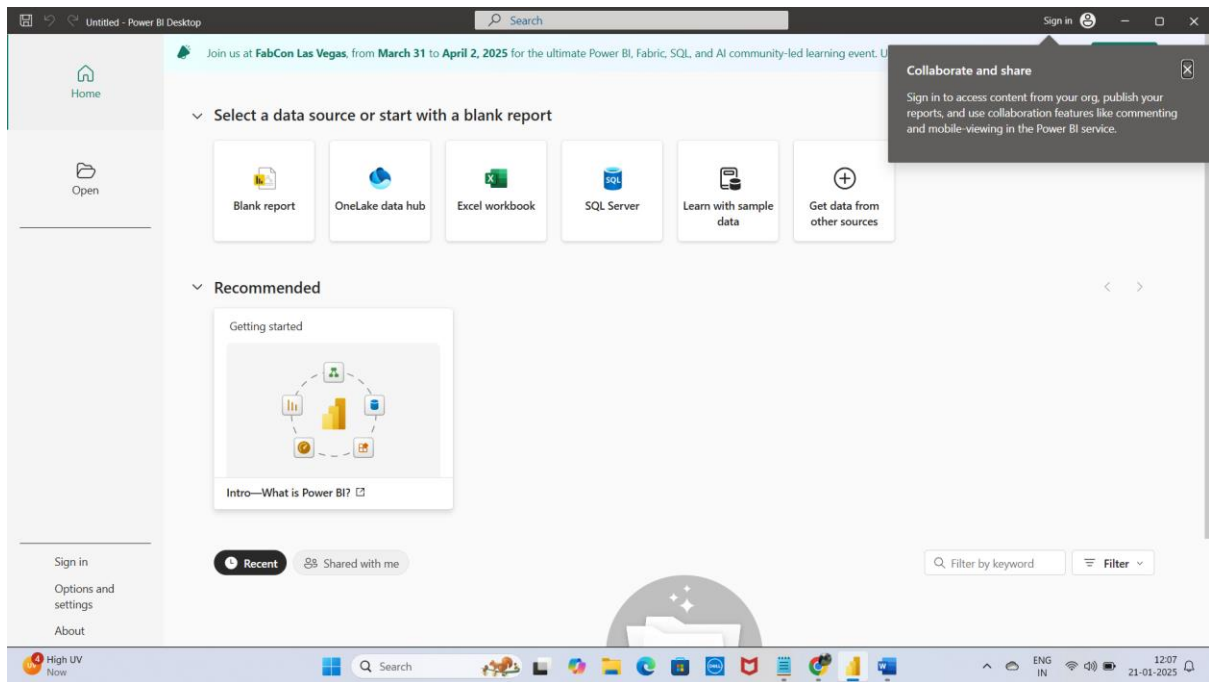
STEPS TO DOWNLOAD MICROSOFT POWER BI

Step 1 -> click on to this link and download the application according to system specifications

Link -> <https://www.microsoft.com/en-us/power-platform/products/power-bi/>

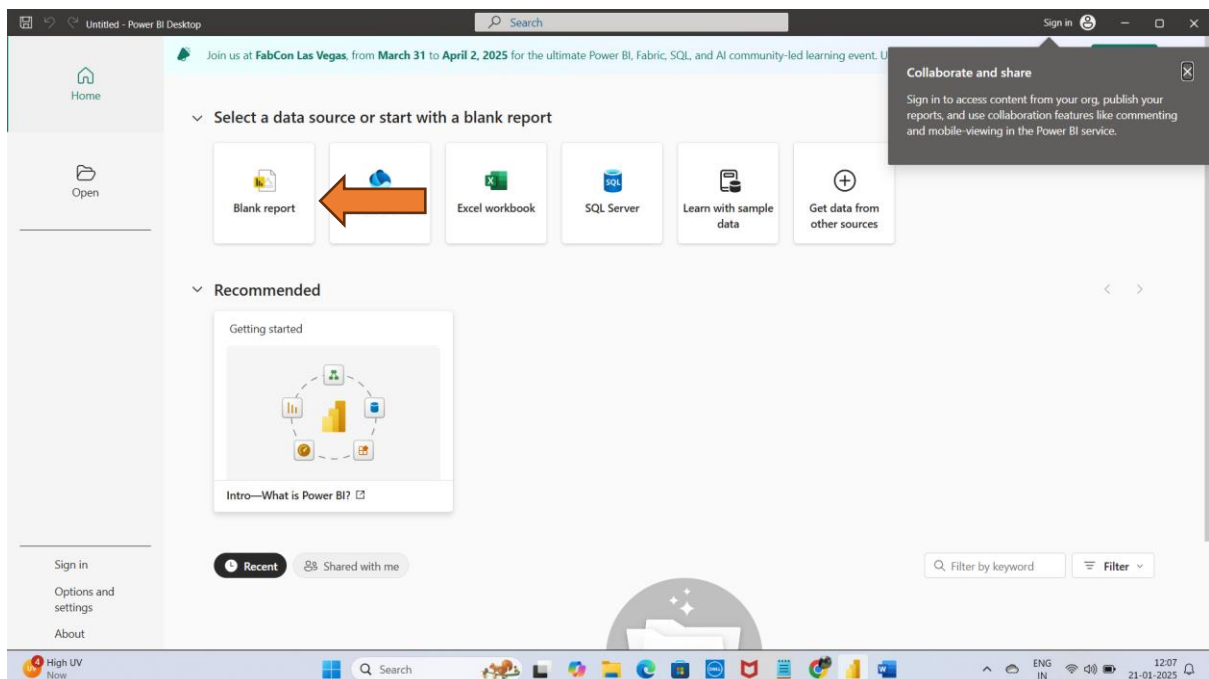
Step 2 -> Download and install the give next-> next-> and finish the process

Step 3 -> Open **Microsoft power bi** application

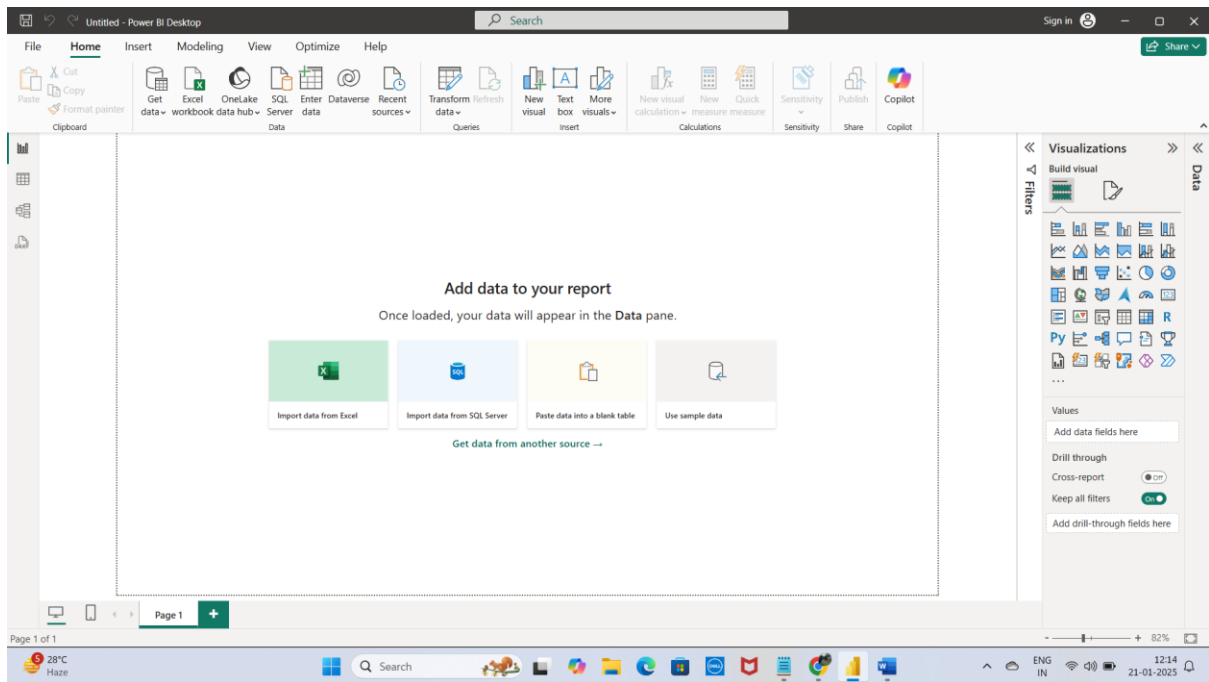


STEPS TO OPEN THE NEW PROJECT

⇒ Click on to the blank project



⇒ An untitled power bi window is been opened



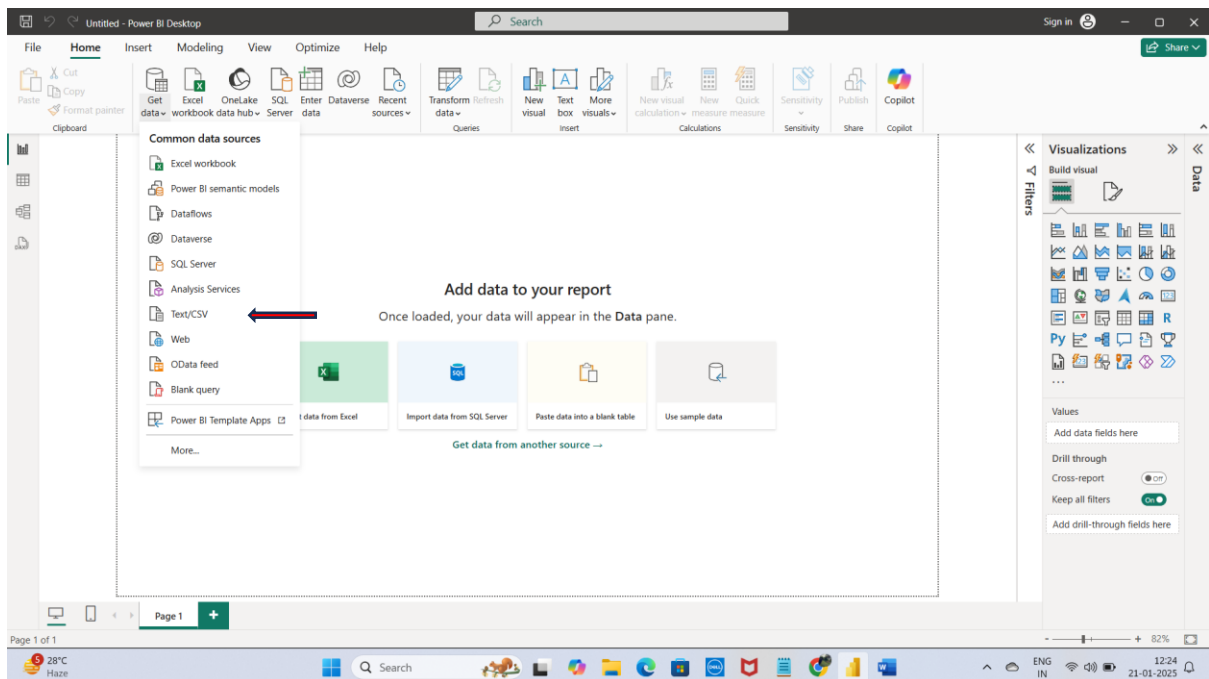
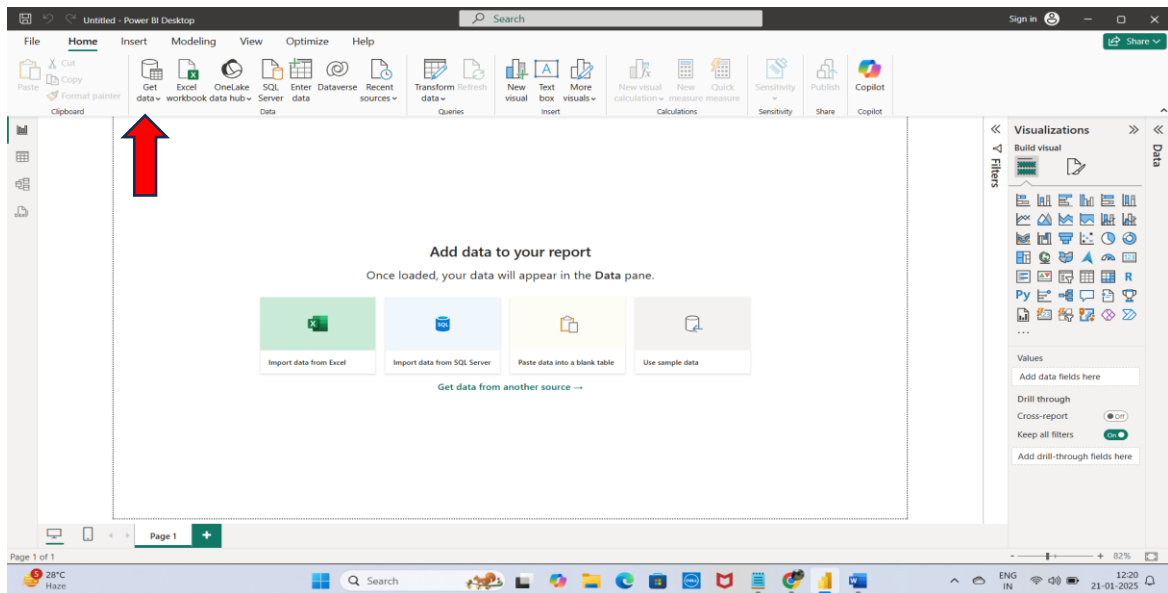
It is also called as canvas or power bi desktop.

EXTRACTING THE DATA

⇒ Extract - pull data from the data source : excel, csv, text, database file

Steps to extract the data

- ⇒ Go to home tab
- ⇒ Click on the get data tab
- ⇒ Download the required dataset
- ⇒ Add the data set to this tab

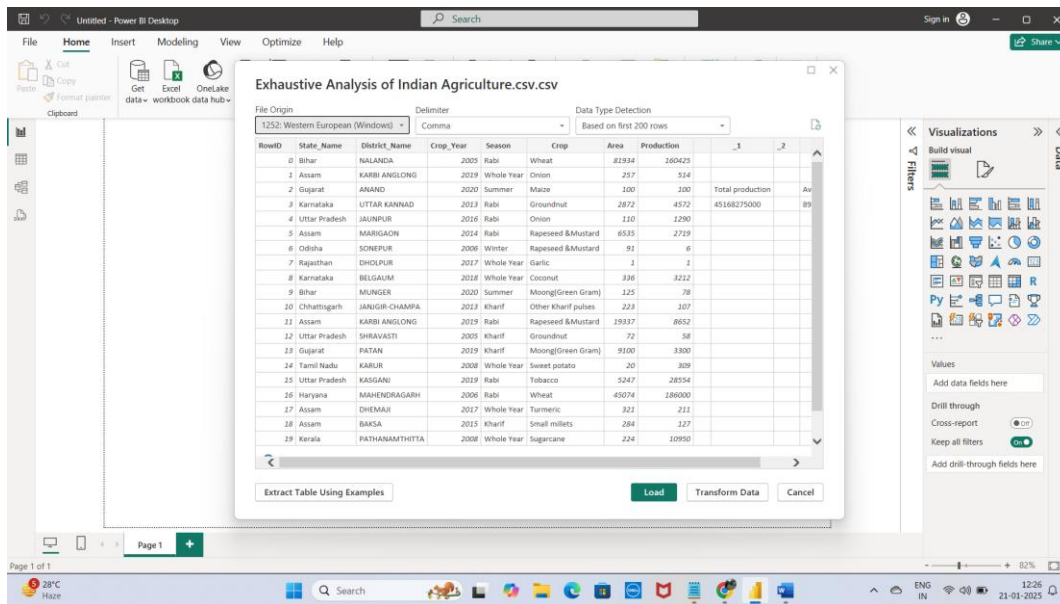


⇒ The below mentioned screen is been displayed

⇒ It contains the three types of button at the end

1. Load
2. Transform data
3. Cancel

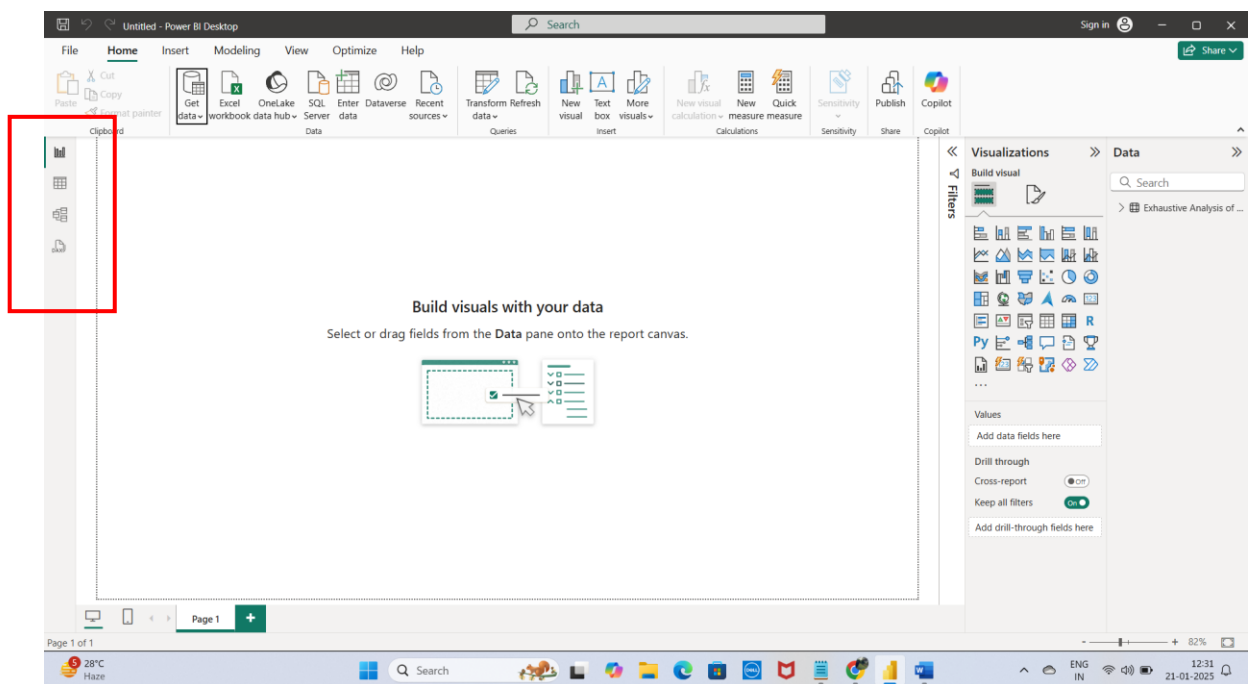
Lets us explore in detail,



⇒ LOAD -> when your is cleaned

⇒ TRANSFORM -> when you want to process the data

Load the file the below mentioned screen is been displayed



There are four types of view in the left of the screen such as,

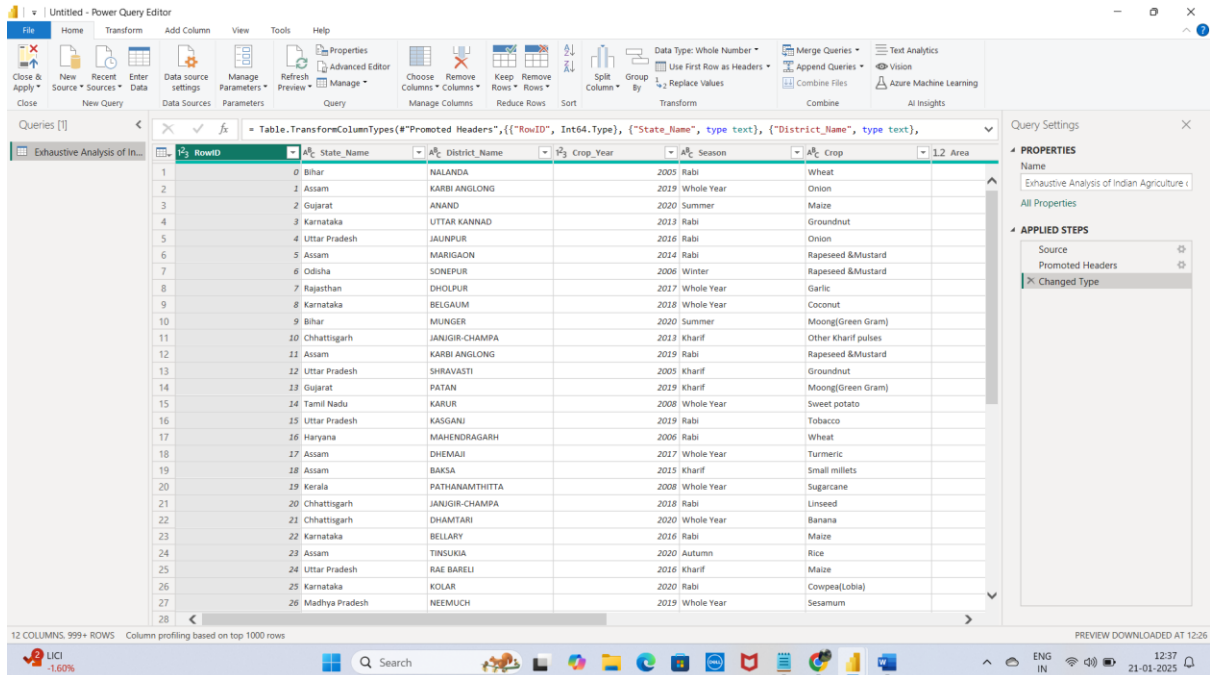
⇒ report view -> all the visualization is seen

⇒ table view-> data is been seen

⇒ Model view-> two different excel file joining and creating the relationship between them

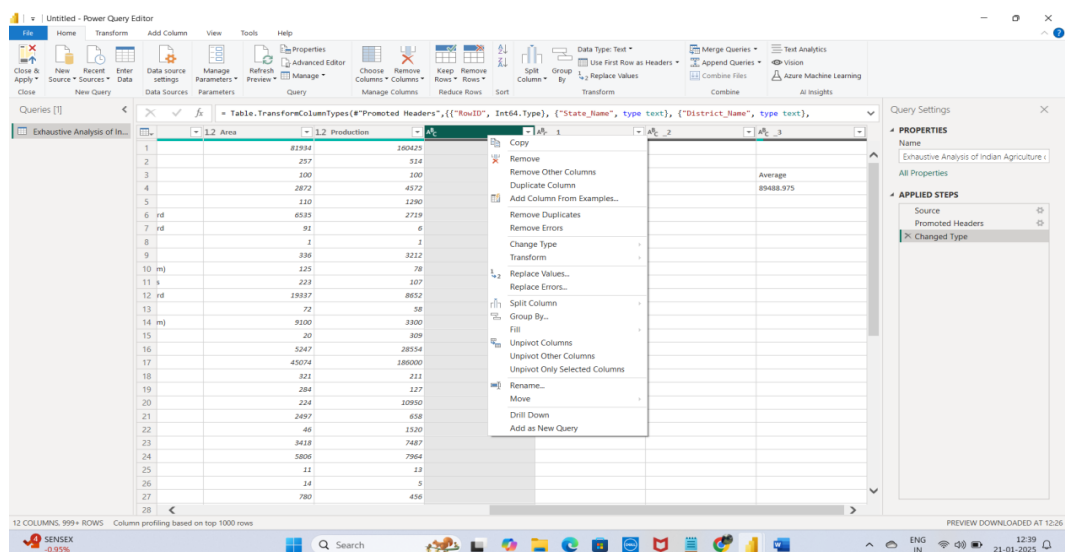
Transform data :

Click on that tab to process the data

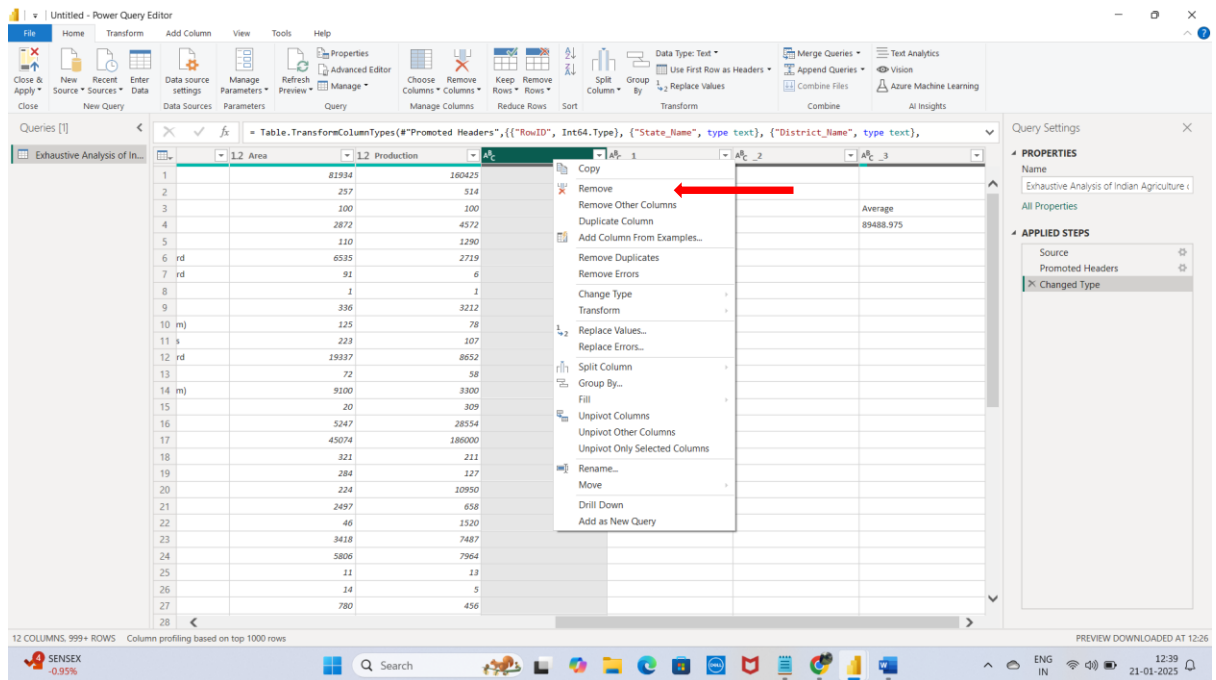


STEPS TO REMOVE THE BLANK COLUMN

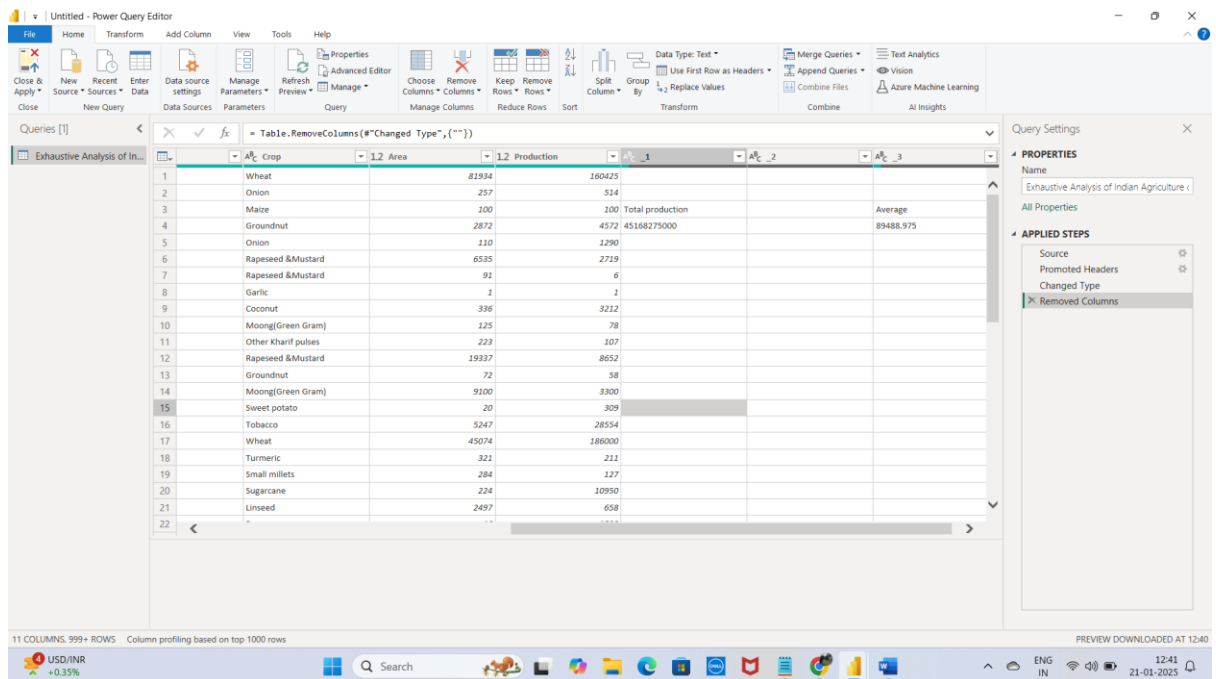
⇒ Right click on the blank column



⇒ Click on the remove to remove the column

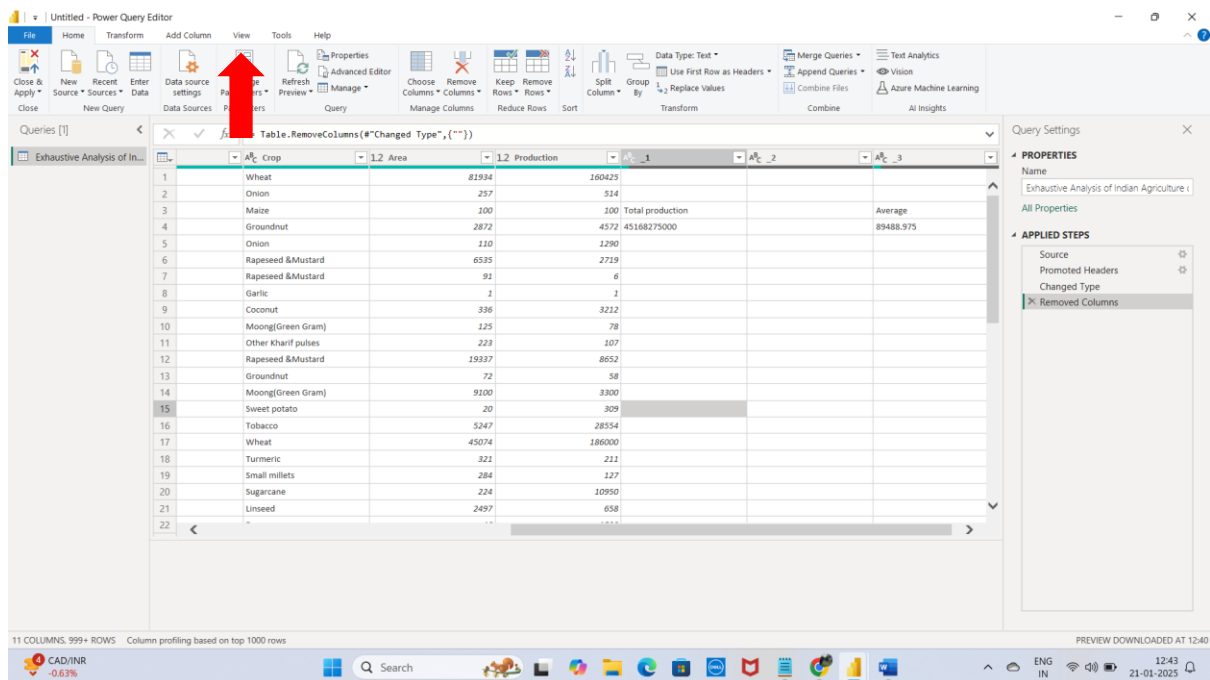


⇒ The blank column is been removed

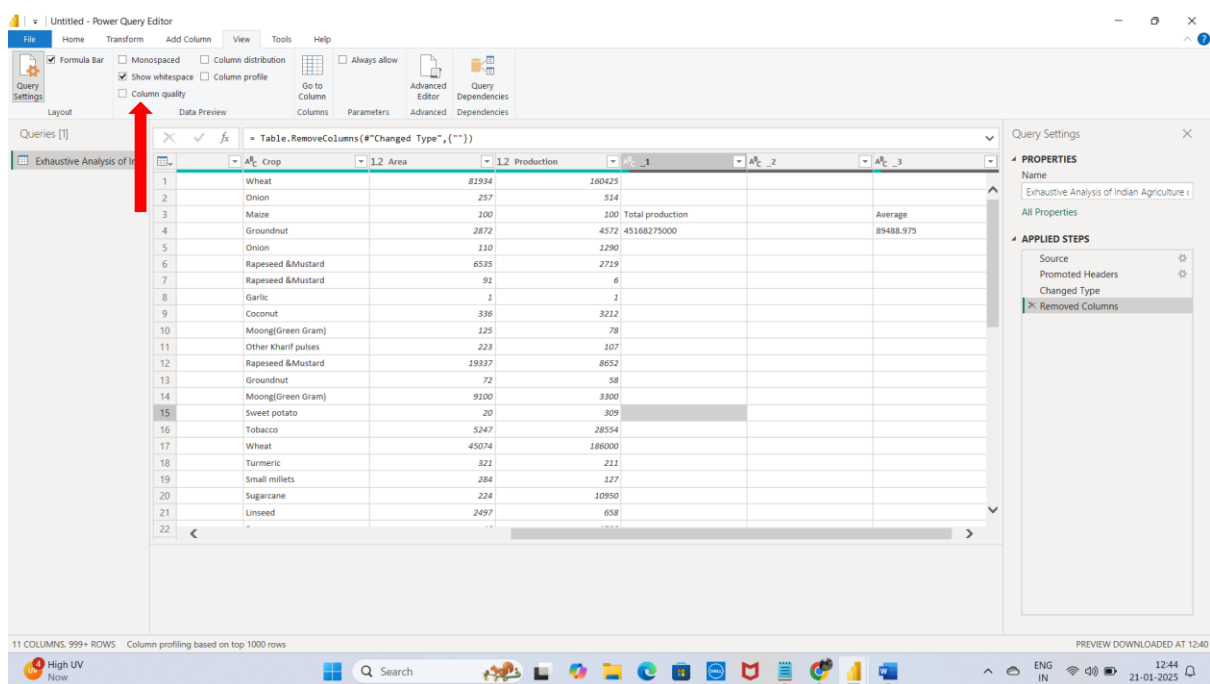


STEPS TO CHECK THE NULL VALUES IN THE DATA OR TO CHECK THE QUALITY OF THE DATA

⇒ Click on the view tab on the top



⇒ After that click on to the column quality



⇒ After that the quality analysis of the give data set is been displayed

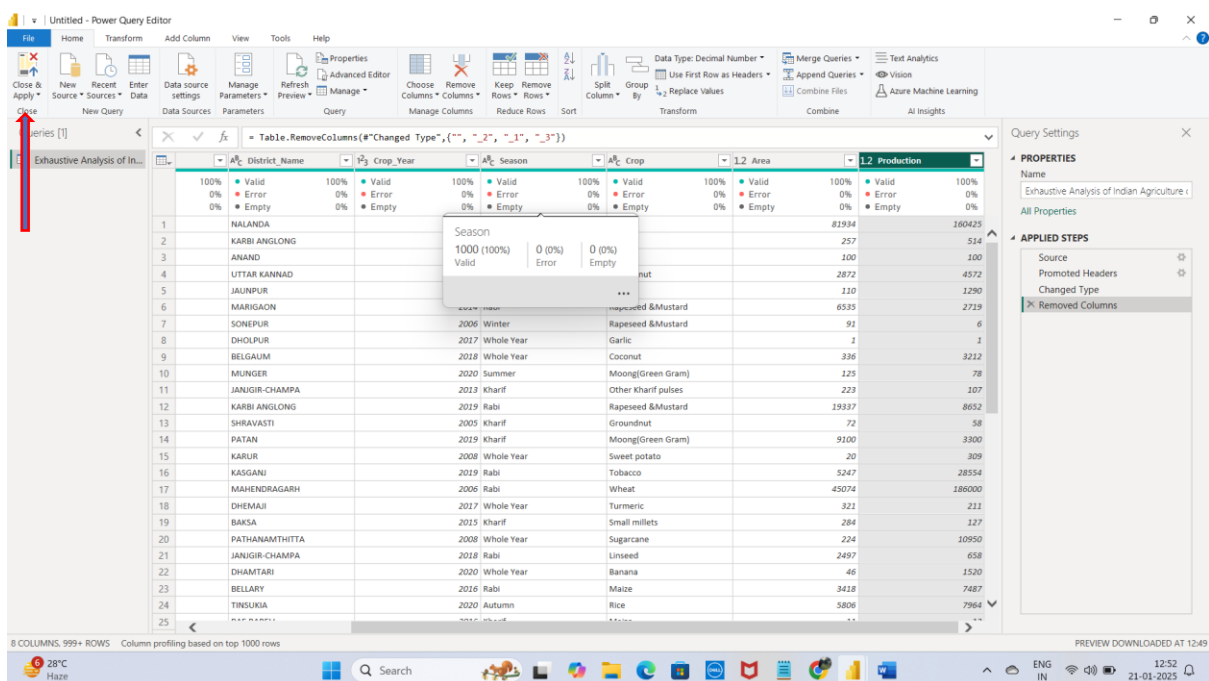
Steps to remove duplicates

⇒ remove rows -> remove duplicates

STEPS TO SAVE THE DATASET IN POWERBI AND APPLY IT TO IT

⇒ Click on the home tab

⇒ Click on to the close and apply tab



⇒ Go to the table view changes is been applied in the power bi dashboard

