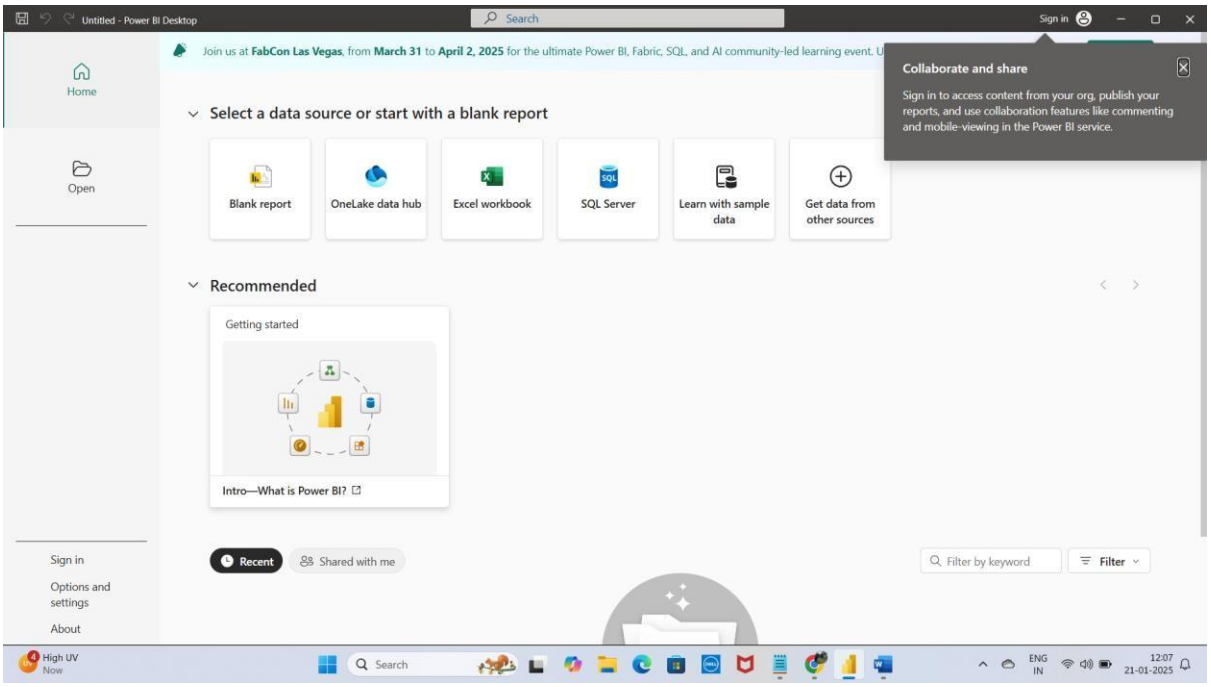
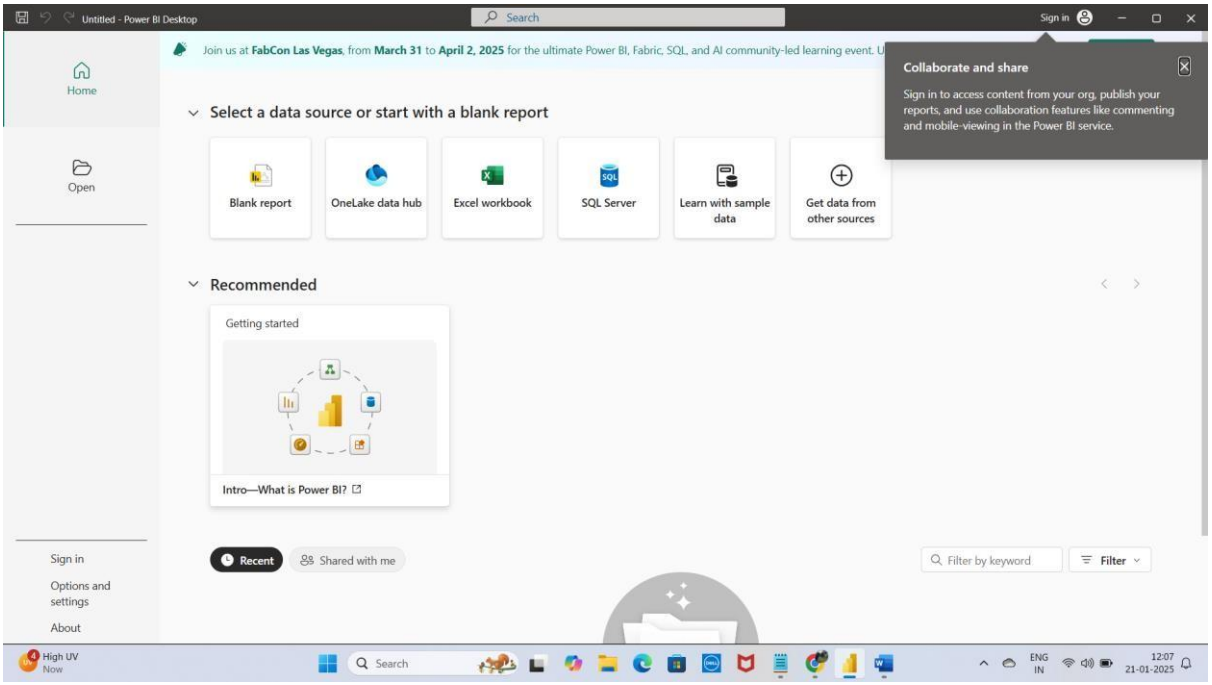
EXHAUSTIVE ANALYSIS OF INDIAN AGRICULTURE USING POWER BI

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.

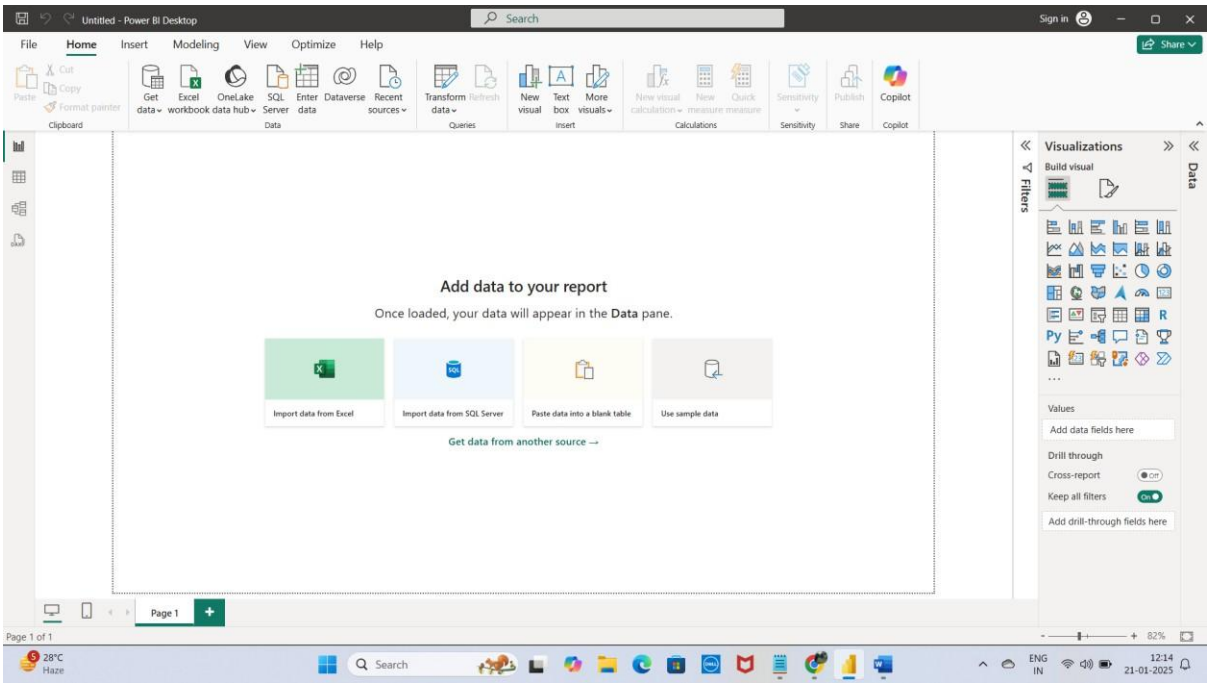


STEPS TO OPEN THE NEW PROJECT

Click on to the blank project



An untitled power bi window is been opened



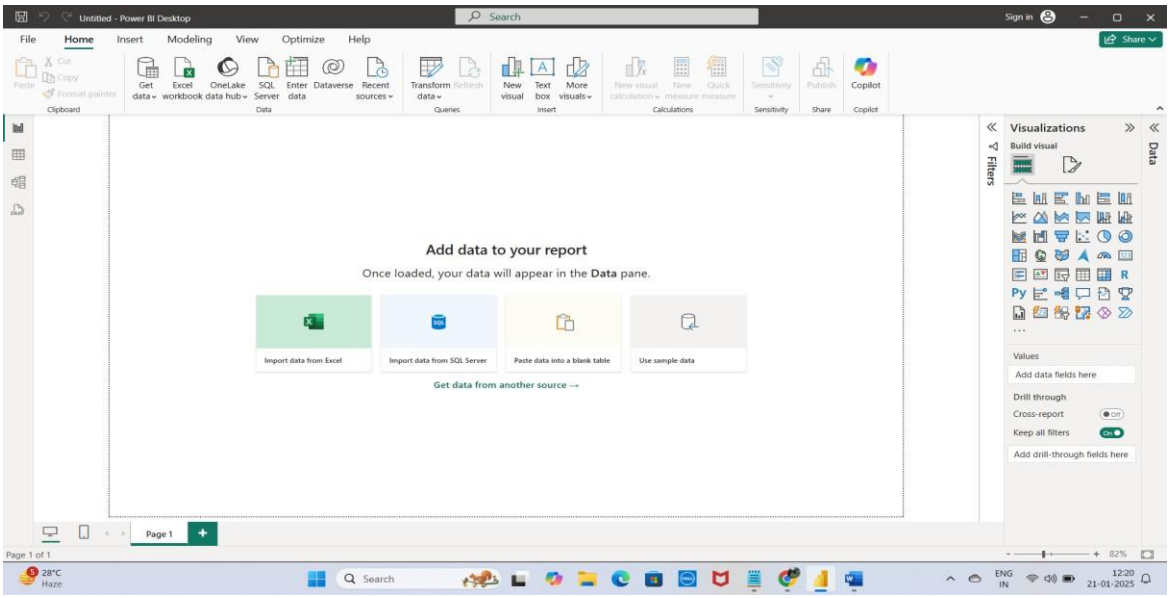
It is also called as canvas or power bi desktop.

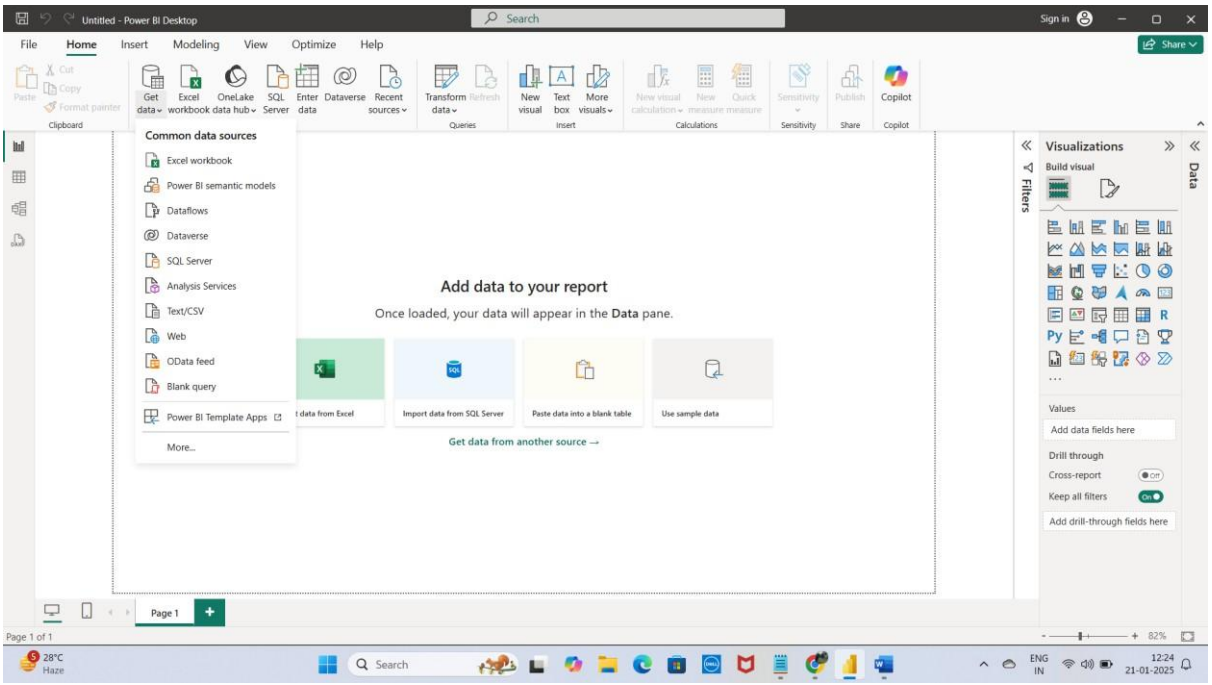
EXTRACTING THE DATA

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

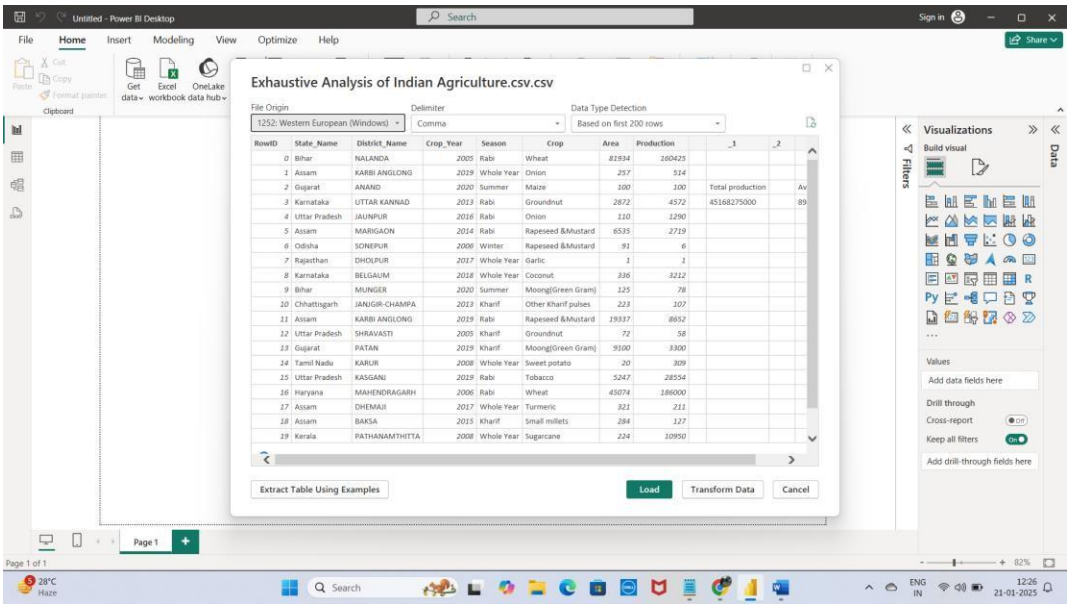




The below mentioned screen is been displayed

It contains the three types of button at the end

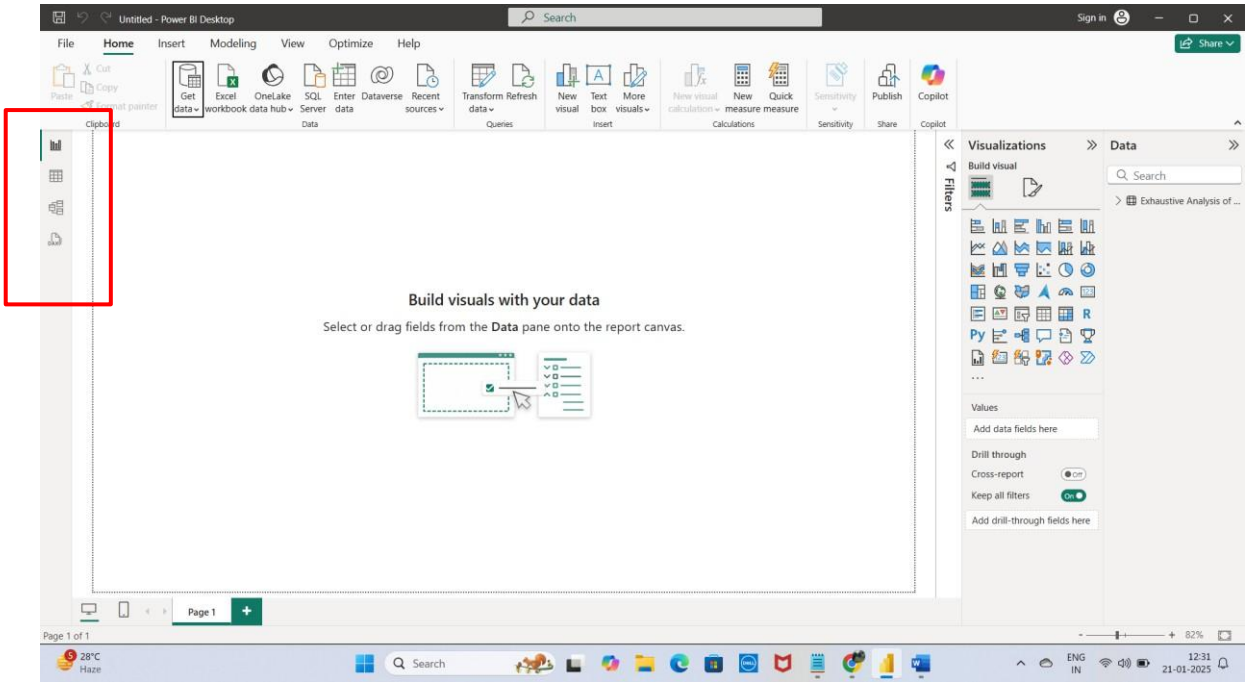
1. Load
2. Transform data
3. Cancel



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,

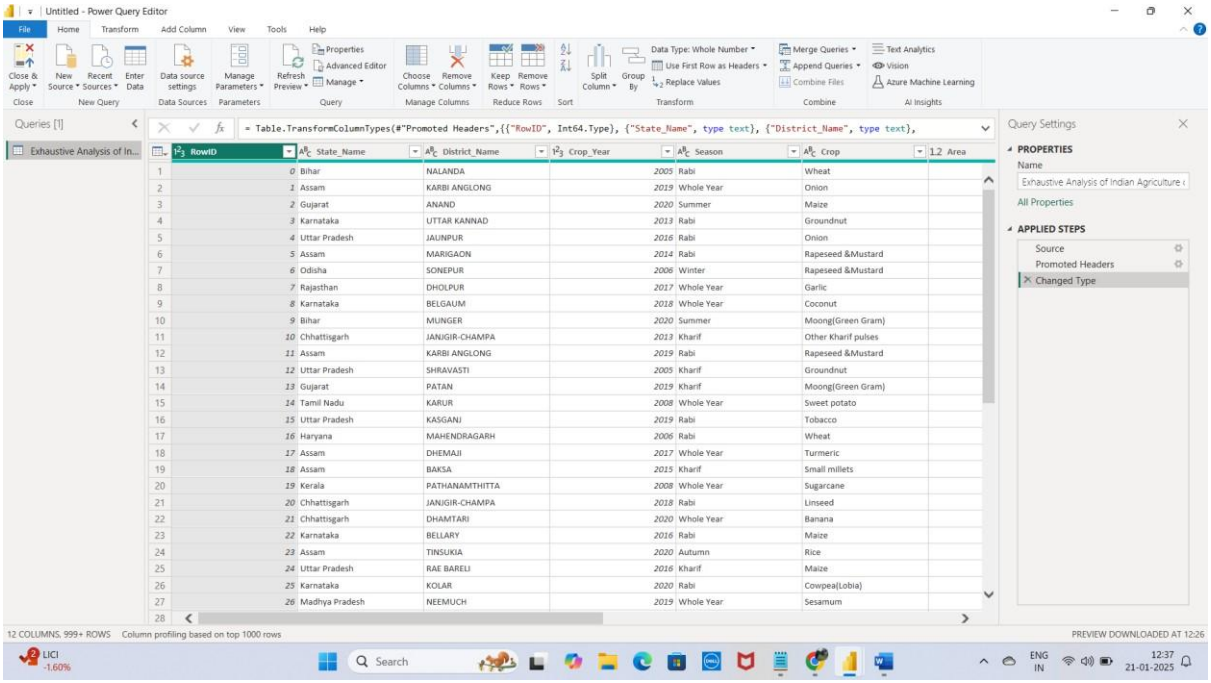
report view - all the visualization is seened

table view- data is been seen

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

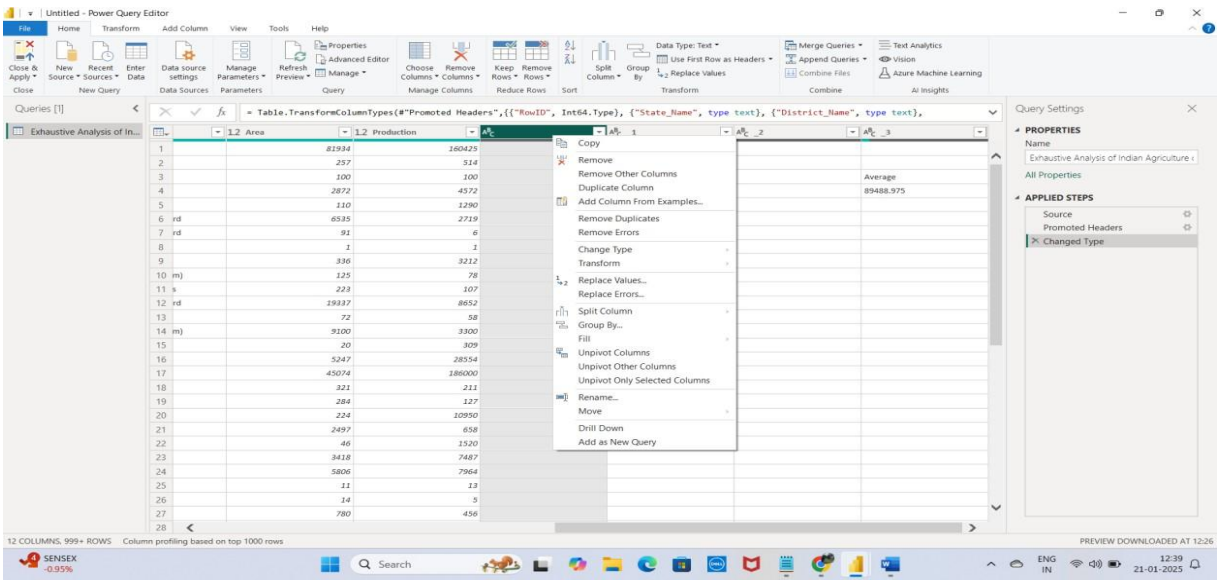
Transform data :

Click on that tab to process the data

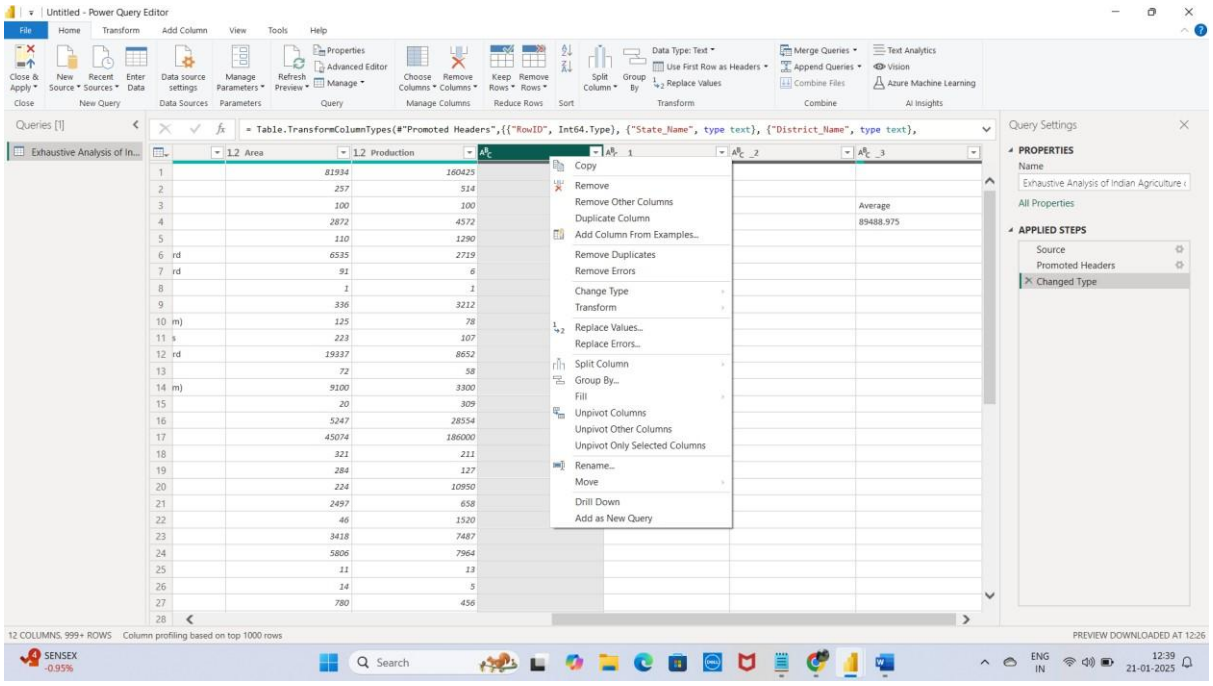


STEPS TO REMOVE THE BLANK COLUMN

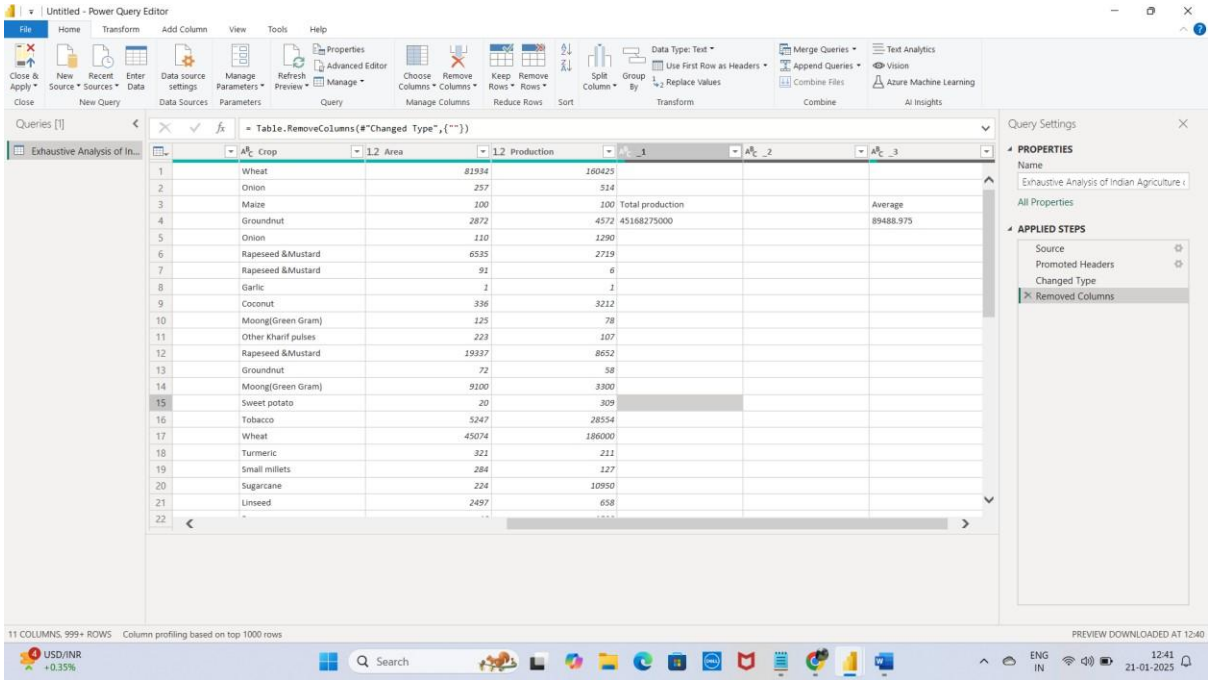
Right click on the blank column



Click on the remove to remove the column

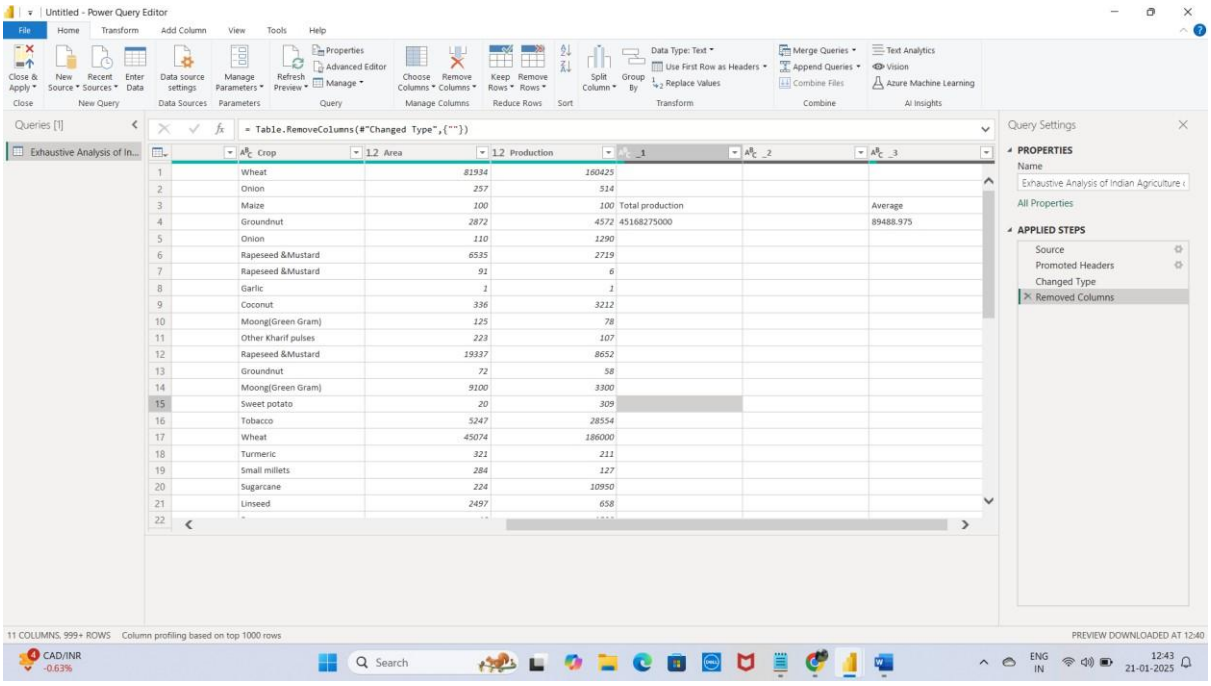


The blank column is been removed

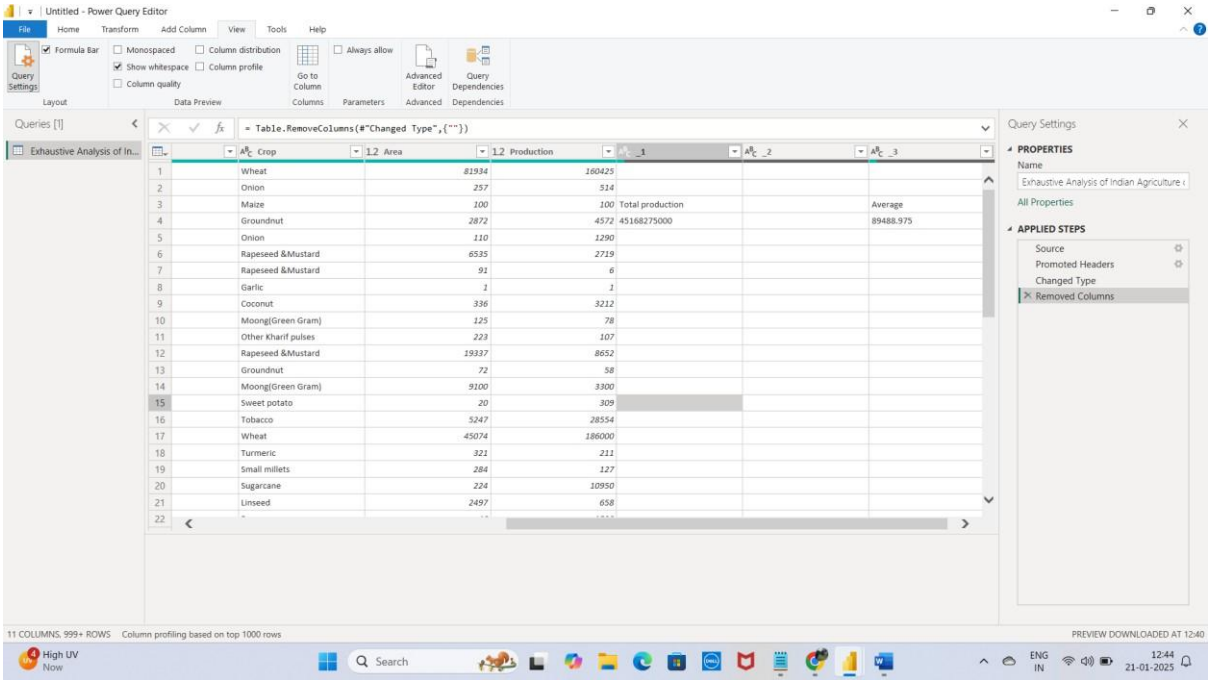


STEPS TO CHECK THE NULL VALUES IN THE DATA OR TO CHECK THE QUALITY OF THE DATA

Click on the view tab on the top



After that click on to the column quality



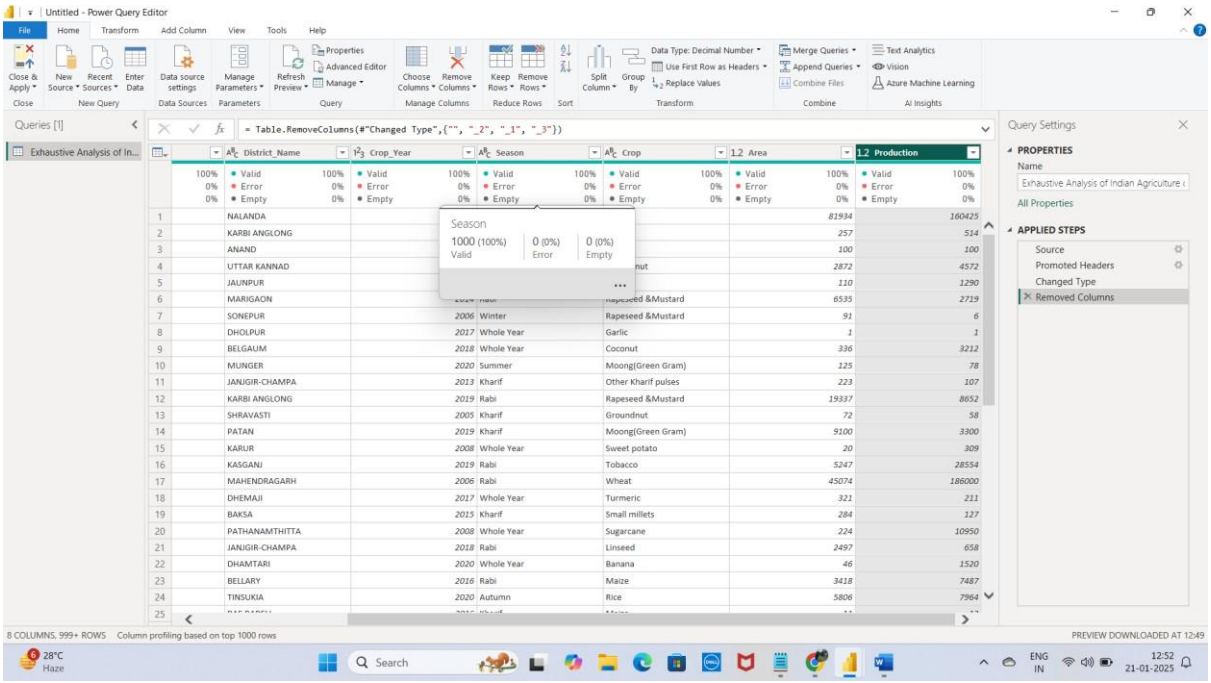
After that the quality analysis of the give data set is been displayed

Steps to remove duplicates

STEPS TO SAVE THE DATASET IN POWERBI AND APPLY 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