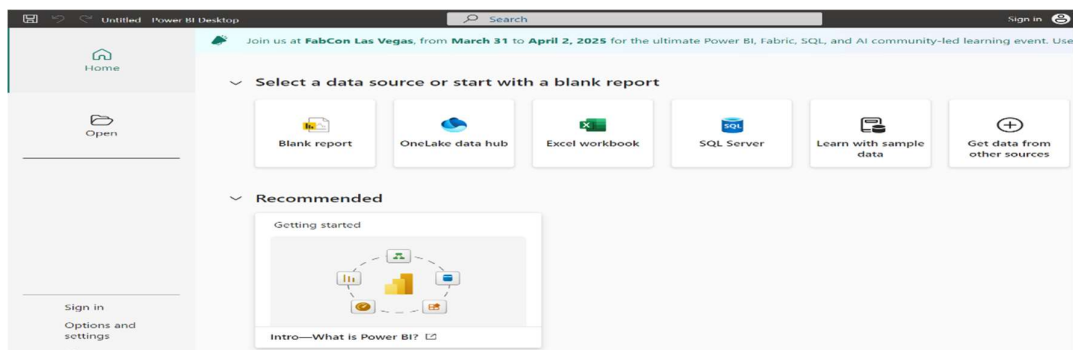


In Week 1, I focused on learning how to use the Power BI tool. During this period, I was introduced to various options and features of Power BI, as well as the different views available. I learned the following key operations:

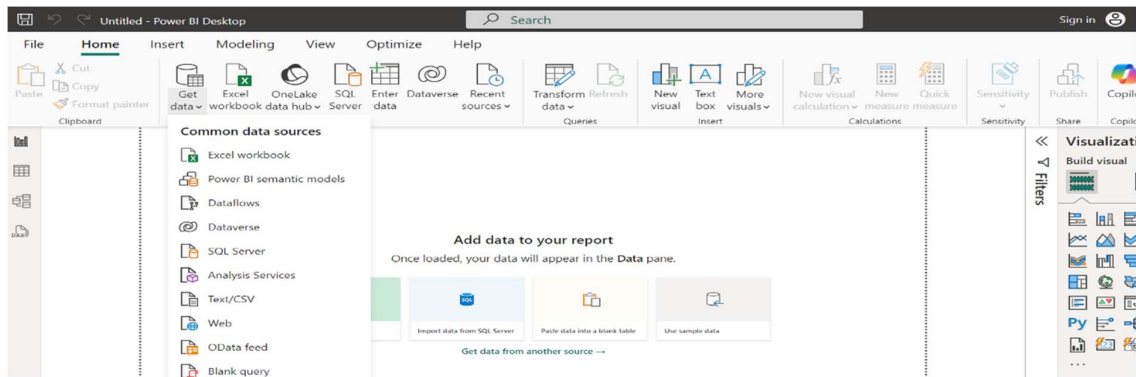
1. Loading Data into Power BI.
2. Transforming Data to Suit Analytical Needs.
3. Removing Unnecessary Columns from Datasets.
4. Identifying and Checking for Errors in the Data.

Steps to perform these operations:

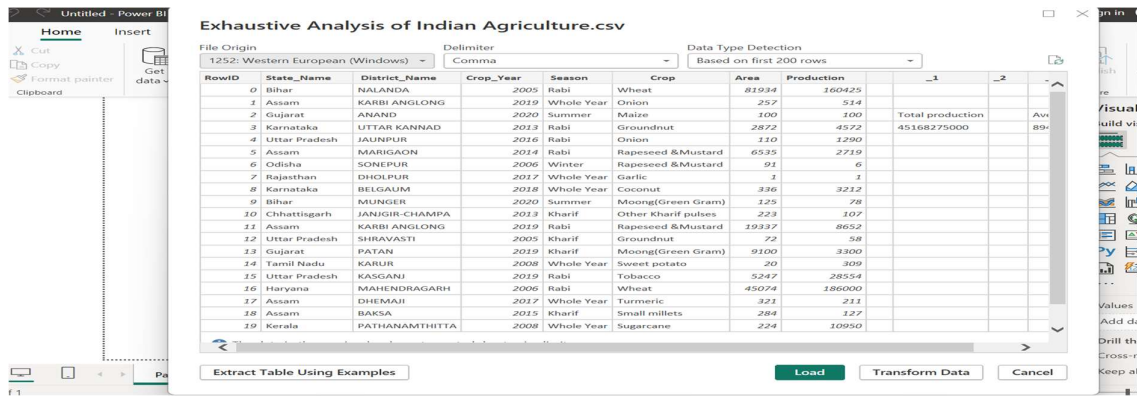
A) Open Power Bi desktop and click on the blank document.



B) Now click on “get data” option in nav bar and select test /csv.

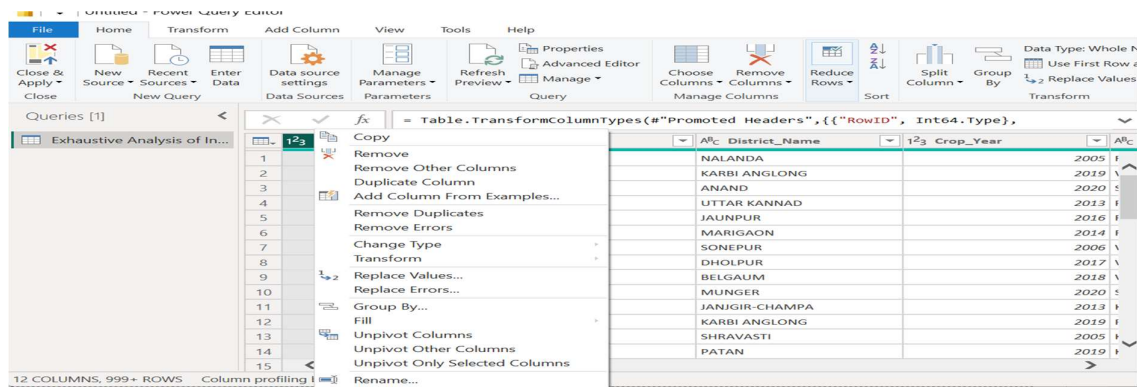


C)After clicking that the file folder will be opened , now select the csv file for analysis and select the load option to load the data set into the power bi desktop

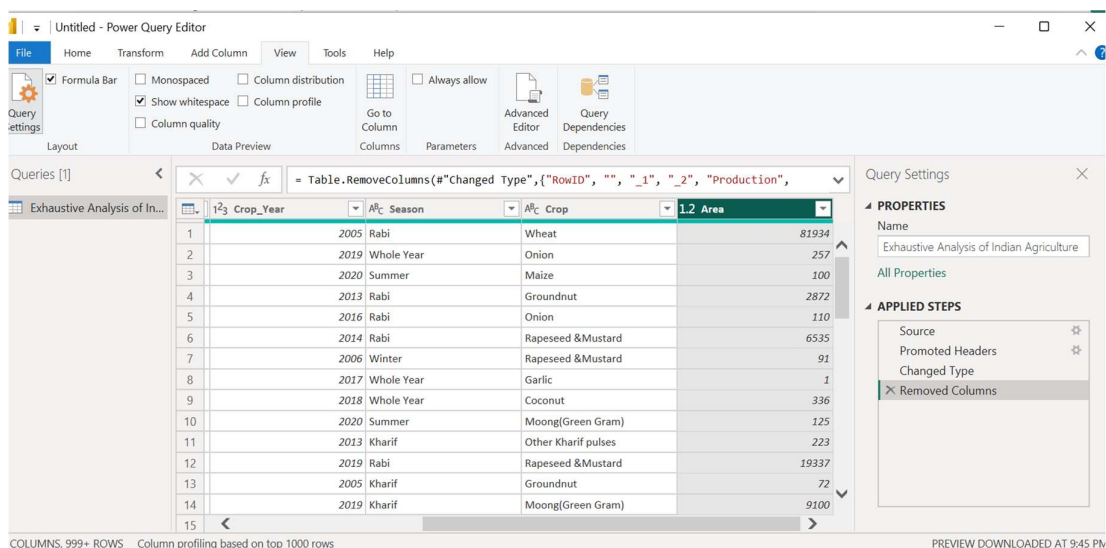


D)After loading click on the transform option on the data set to change the modifications to the data set.

E) After clicking on the “transform” option the dataset will be displayed, and now select the specific column to remove. After selecting right click and click on the remove option and the column is removed.



F)Now to know the any errors or empty data present click on the view option in nav bar and then checkmark the “column quality” option .



Power Query Editor - Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Query Settings: Formula Bar, Monospaced, Column distribution, Show whitespace, Column profile, Column quality, Always allow, Go to Column, Parameters, Advanced Editor, Query Dependencies

Queries [1] Exhaustive Analysis of In...

Formula Bar: = Table.RemoveColumns("#Changed Type",{"RowID", "", "\_1", "\_2", "Production", ...})

	Crop_Year	Season	Crop	Area
	Valid 100%	Valid 100%	Valid 100%	Valid 100%
	Error 0%	Error 0%	Error 0%	Error 0%
	Empty 0%	Empty 0%	Empty 0%	Empty 0%
1	2005	Rabi	Wheat	81934
2	2019	Whole Year	Onion	257
3	2020	Summer	Maize	100
4	2013	Rabi	Groundnut	2872
5	2016	Rabi	Onion	110
6	2014	Rabi	Rapeseed & Mustard	6535
7	2006	Winter	Rapeseed & Mustard	91
8	2017	Whole Year	Garlic	1
9	2018	Whole Year	Coconut	336
10	2020	Summer	Moong(Green Gram)	125
11	2013	Kharif	Other Kharif pulses	223
12				

6 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

Query Settings: Name: Exhaustive Analysis of Indian Agriculture

APPLIED STEPS: Source, Promoted Headers, Changed Type, Removed Columns

PREVIEW DOWNLOADED AT 9:45 PM

Here Empty will give the percentage of cells which are missing or blank values, Error will give the percentage of cells which do not conform to the expected data type of the column and lastly, Valid will give the percentage of cells which meets the expected data type and format.