

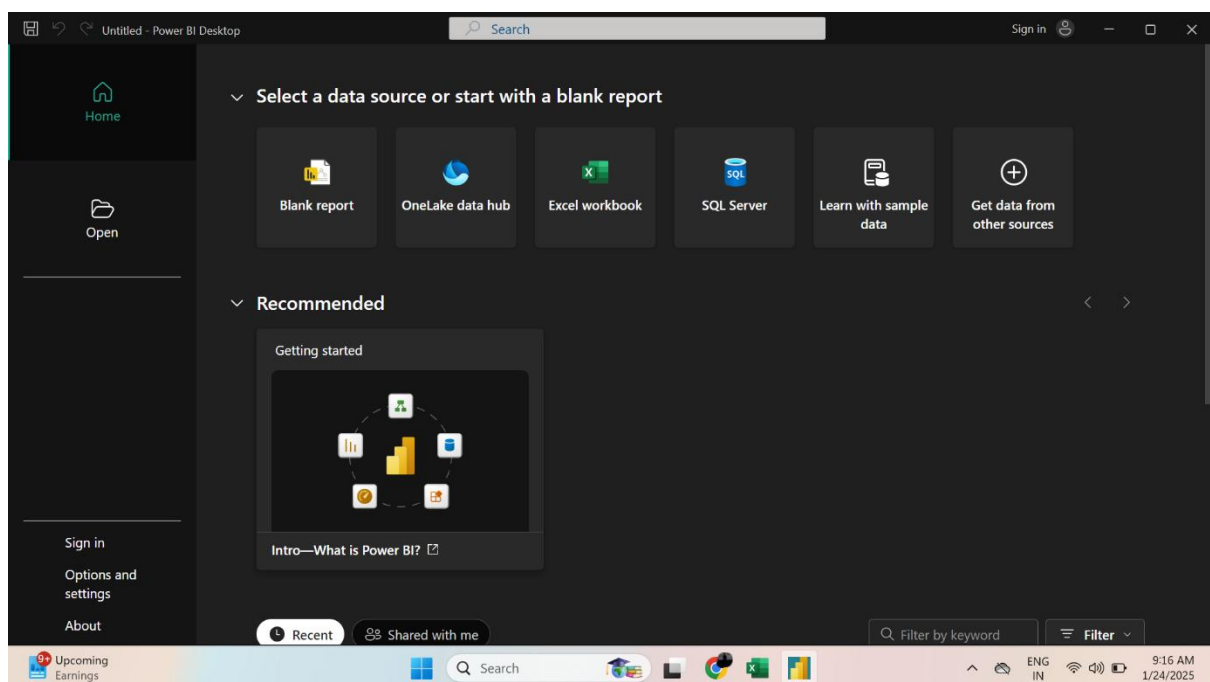
WEEK 1 PROJECT SUBMISSION (EduNet)

Exhaustive Analysis of Indian Agriculture using Power BI

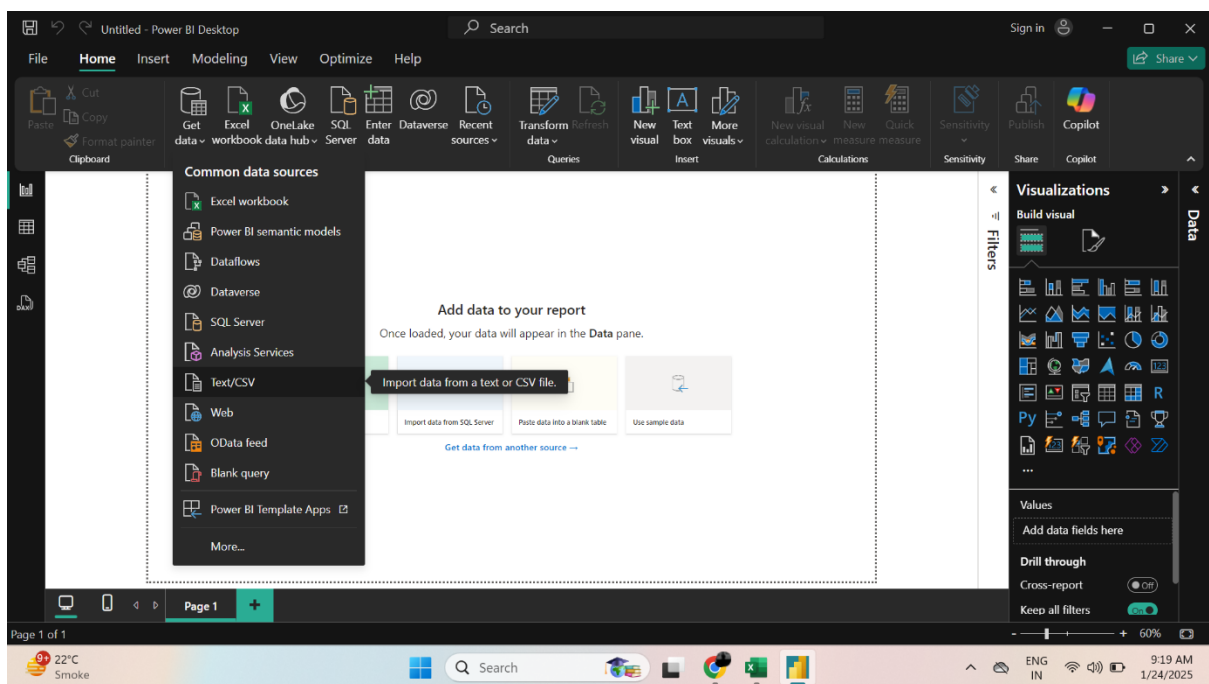
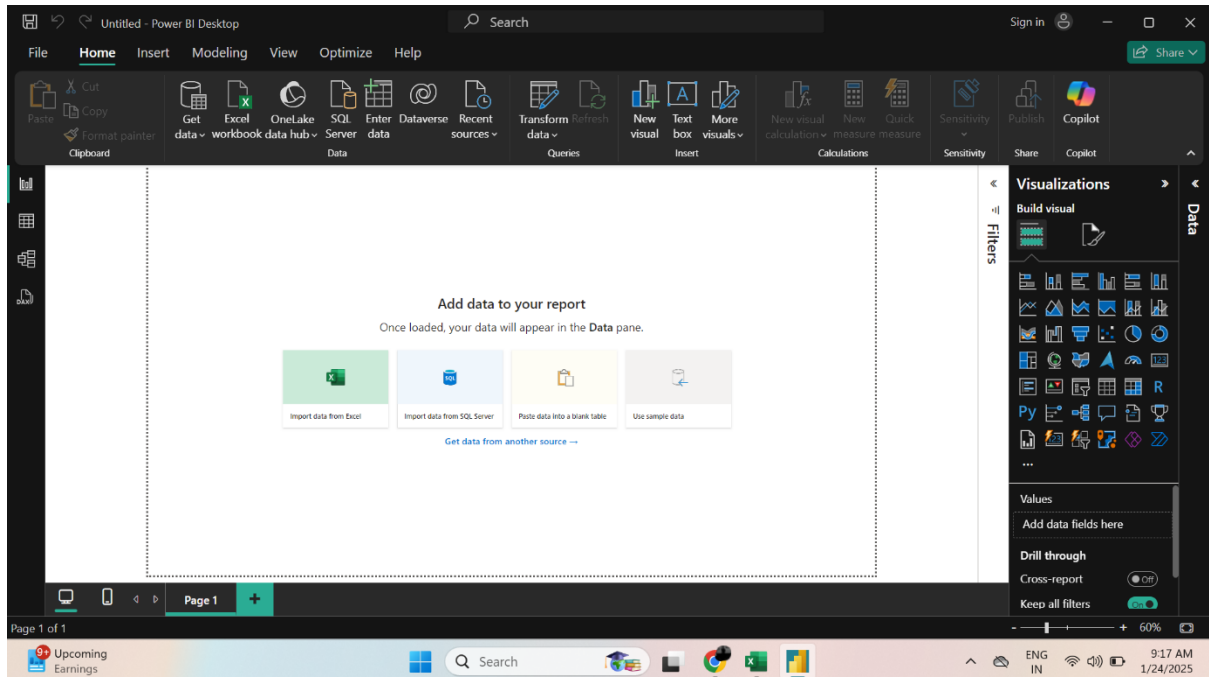
Power BI is a business analytics tool developed by Microsoft that allows users to visualize their data and share insights across their organization or embed them in an app or website. With features like data connectivity, transformation, modeling, and visualization, Power BI empowers users to make data-driven decisions efficiently.

This document outlines the key steps followed to create a Power BI report, from connecting to the data source to doing some work on it. Each phase has been carefully detailed to provide a clear understanding of the process.

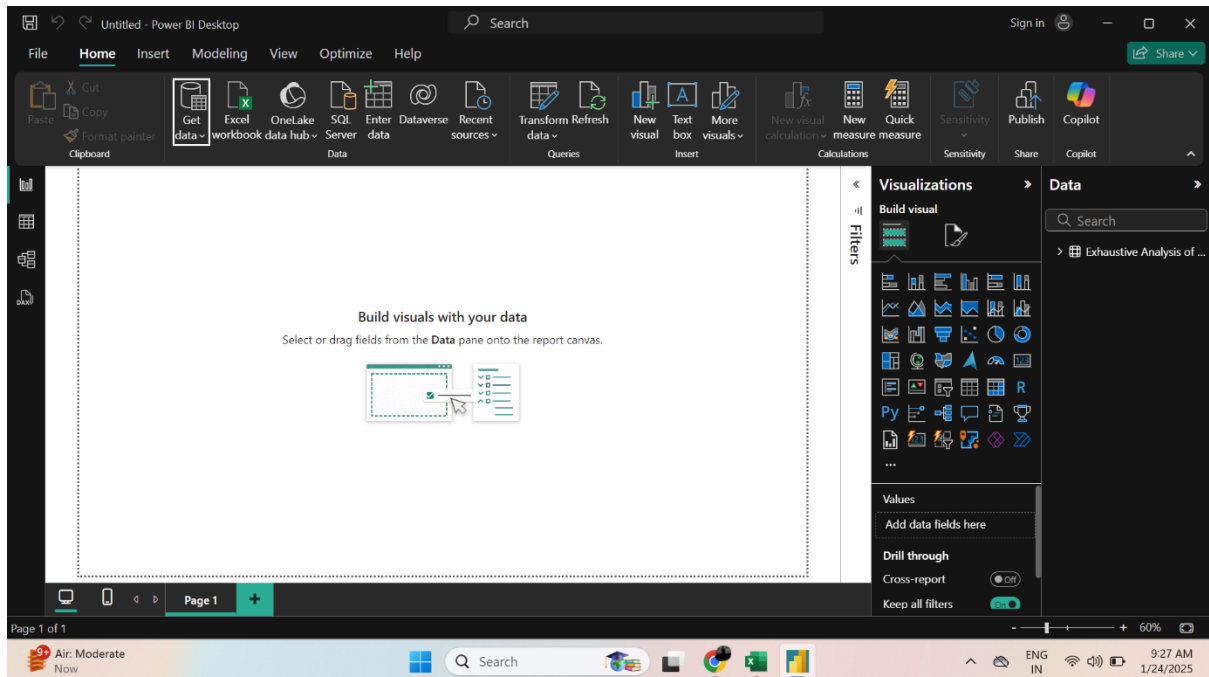
Step 1: Download PowerBI then open it. It will look like as shown below.



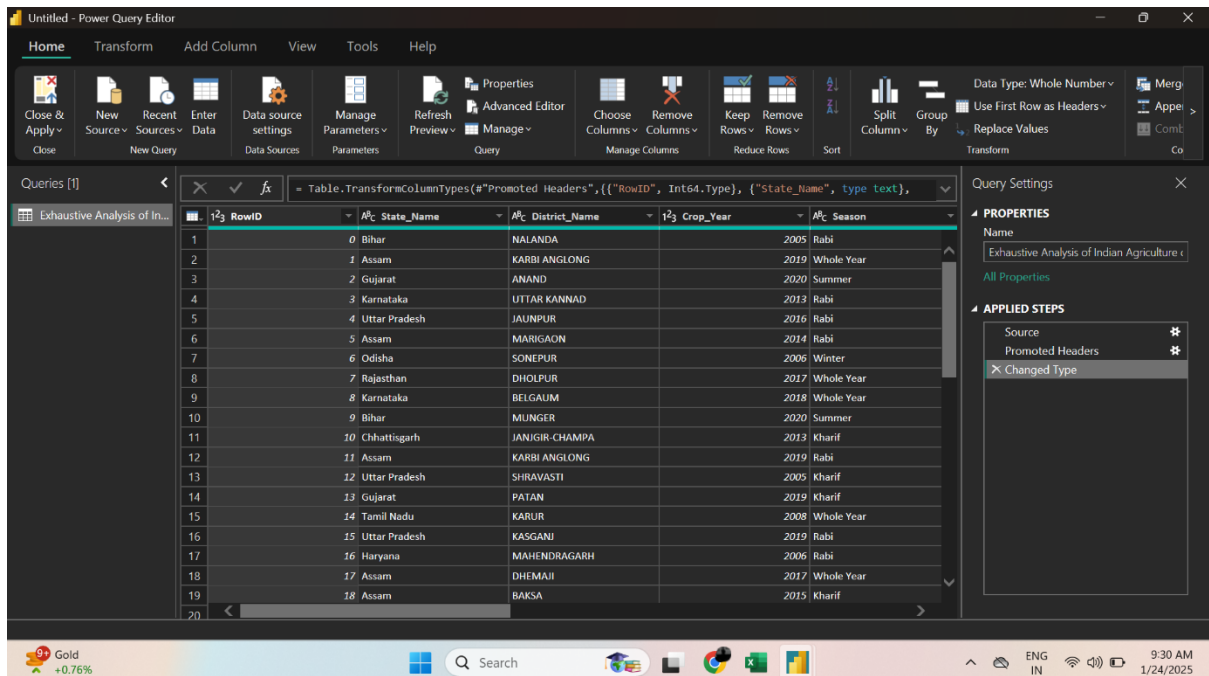
Step 2: Now click on blank report then image below(1) will appear after that click on get data for loading data into powerBI. Here we are choosing text/CSV(comma separated value) as our file was saved with csv extension.



Step 3: After clicking on the text/csv new window will open and that is like as follow.

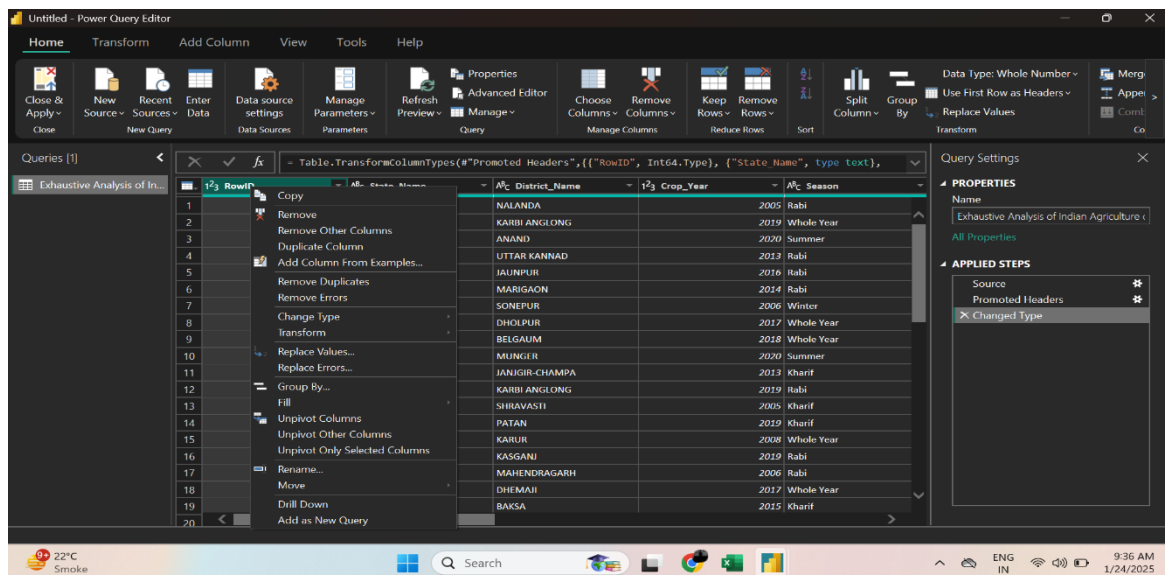


Now click on transform data for doing transformations on the data. After clicking on that we have following window.

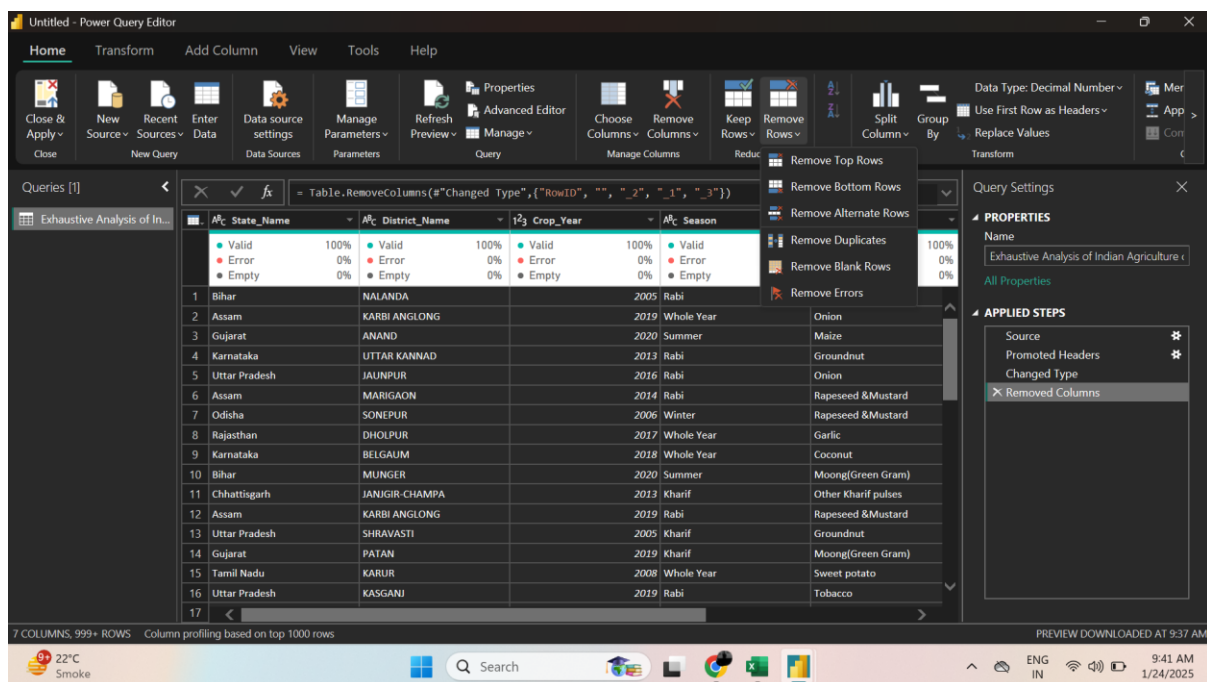


Step 4: Now for deleting unwanted columns we click on column then right click and click on remove. By this we have remove the unwanted column.

Second for checking the quality of the data we click on view bar then click on the column quality. This shows us that how much percent of data is valid, error and empty in that column.



(deleting unwanted column)



(checking quality of data)

Step 5: After that click on choose and apply to reflect all the changes we have done to the data on the powerBI desktop.

Here we have data without unwanted columns and quality cheked.

Table: Exhaustive Analysis of Indian Agriculture csv (73,827 rows)

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