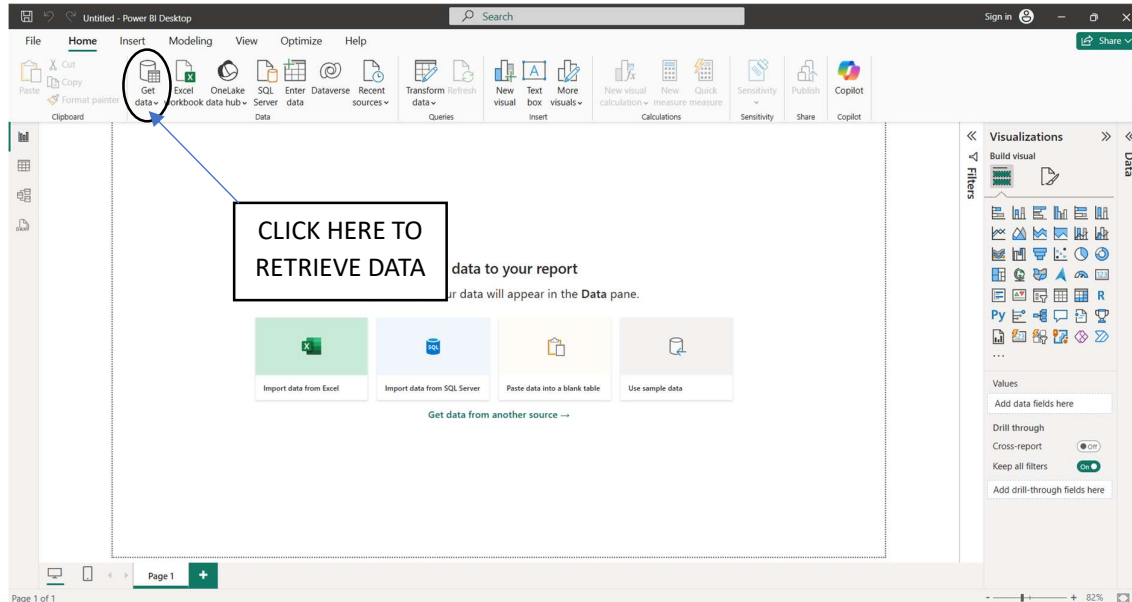


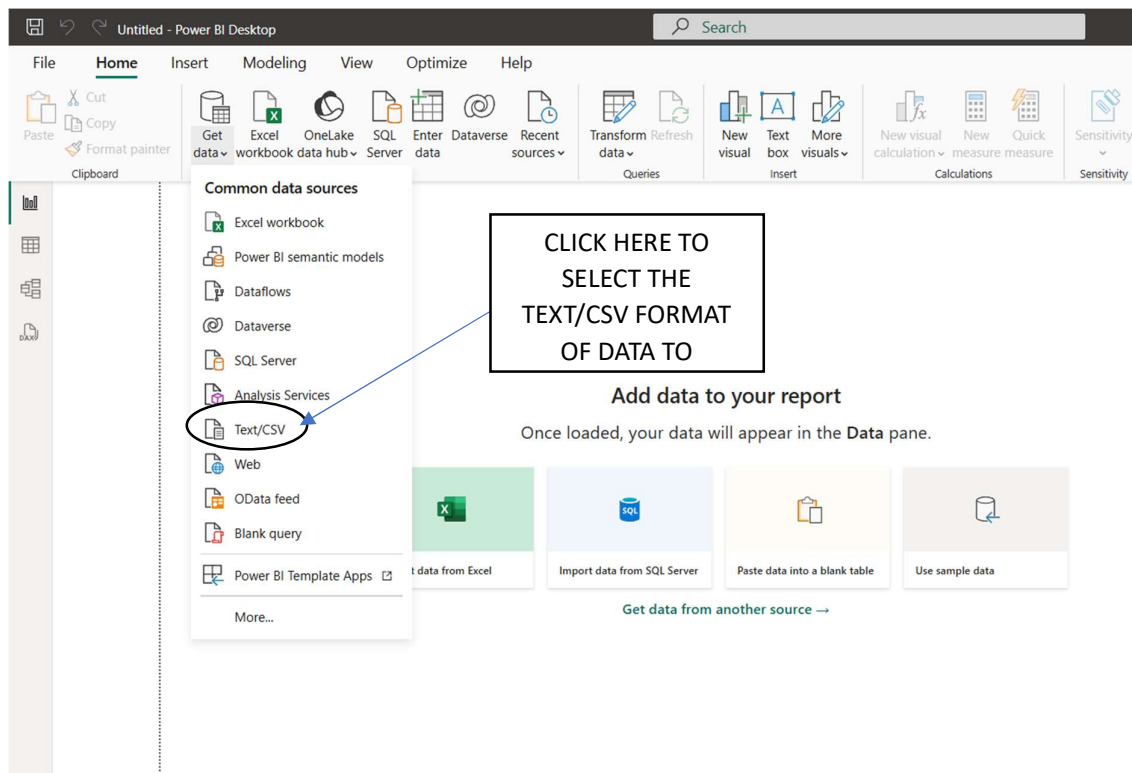
## TASK 1

### BASIC OPERATIONS OF POWERBI

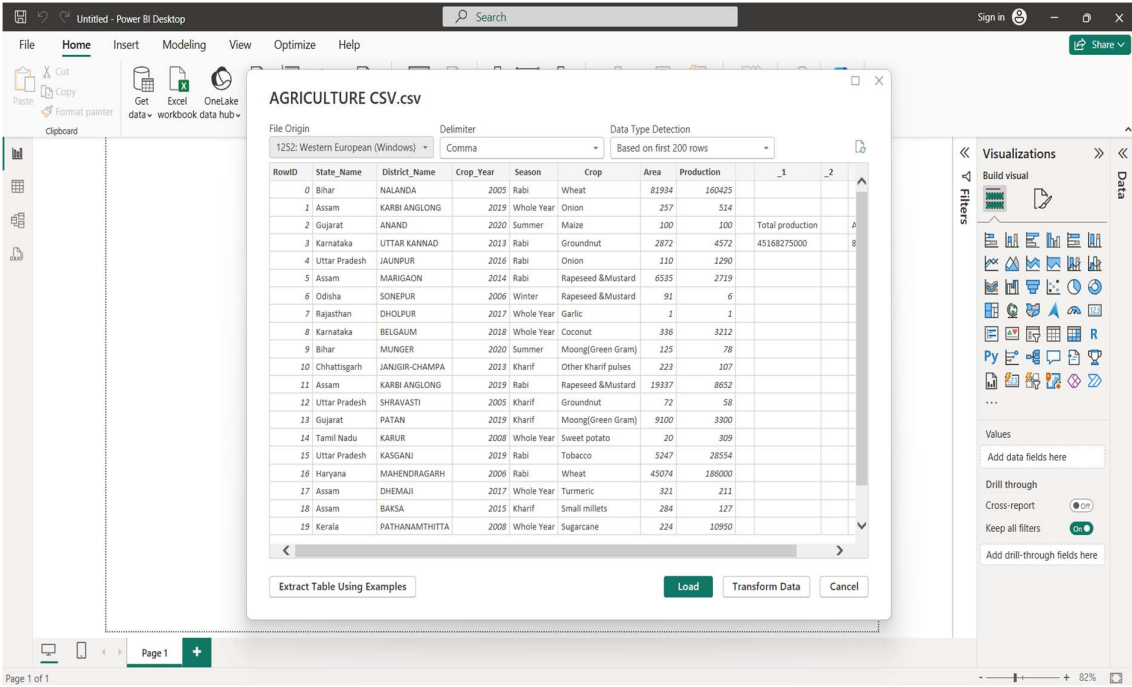
STEP 1: OPEN POWERBI AND THEN RETRIEVE THE DATA FROM THE LOCAL STORAGE BY USING THE *GET DATA* BUTTON ON THE TOOL BAR.



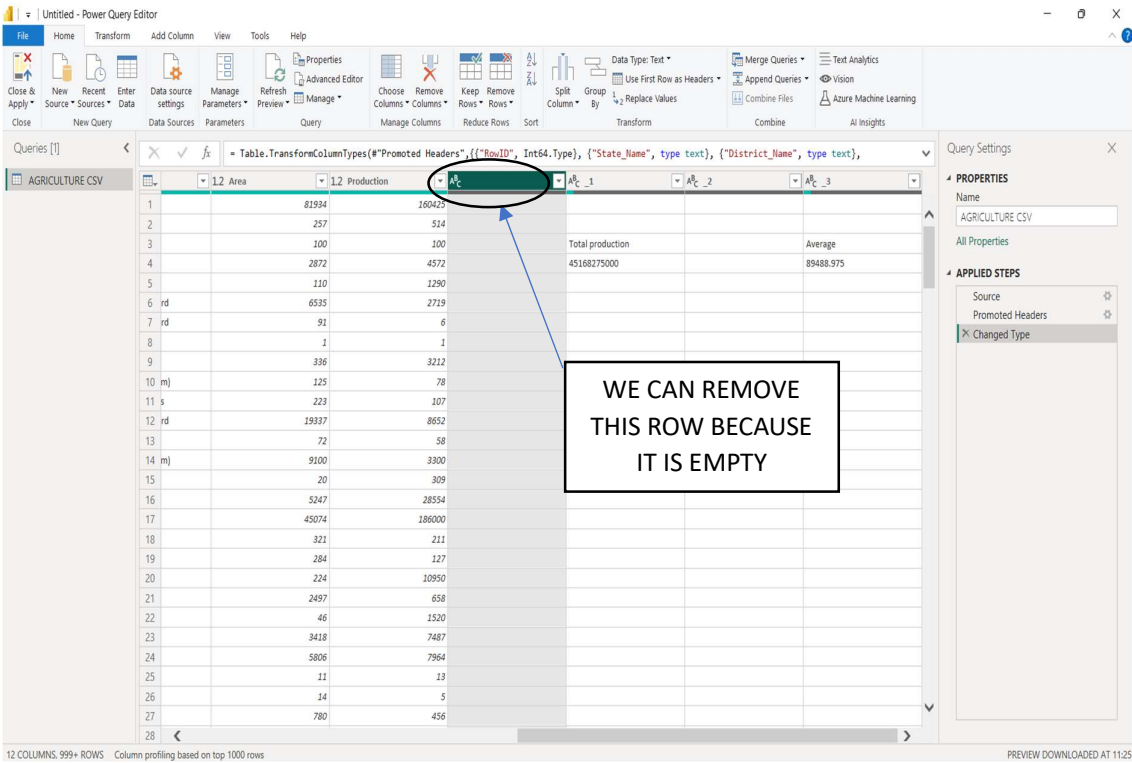
STEP 2: AFTER CLICKING THE GET DATA OPTION SELECT THE TEXT/CSV FROMAT TYPE FROM THE GIVEN DATA SOURCES OPTION TO RETRIEVE THE CSV FILE FROM LOCAL STORAGE.



STEP 3: THEN SELECT THE FILE FROM THE LOCAL PC STORAGE AND OPEN IT.



STEP 5: AFTER OPENING THE CSV FILE, WE WILL BE CLICKING ON THE TRANSFORM DATA TO CLEAN THE DATA BY REMOVING VARIOUS DATA ERRORS SUCH AS MISSING VALUES AND DUPLICATES OR WE CAN DELETE UNNECESSARY ROWS OR COLUMNS TO TRANSFORM THE DATA SET.



STEP 6: WE CAN REMOVE THE BLANK ROWS BY CHOOSING THE REMOVE BLANK ROW OPTION.

The screenshot shows the Power Query Editor interface. The 'Remove Rows' menu is open, and the 'Remove Blank Rows' option is highlighted. A callout box points to this option with the text: "WE CAN REMOVE THIS ROW BECAUSE IT IS BLANK". The background shows a table with columns '1.2 Area', '1.2 Production', and 'A0c'. The table has 28 rows, with some rows containing numerical data and others being blank.

STEP 7: WE CAN DELETE THE RowID SECTION COMPLETELY TO REMOVE THE WHOLE ROW.

The screenshot shows the Power Query Editor interface. The 'RowID' column is selected, and a context menu is open. The 'Remove' option is highlighted. A callout box points to this option with the text: "WE CAN REMOVE THE COMPLETE ROW BECAUSE IT IS UNNECESSARY FOR THE ANALYSIS." The background shows a table with columns 'District\_Name', 'Crop\_Year', 'Season', 'Crop', and '1.2 Area'. The table has 28 rows, with some rows containing text data and others being blank.

STEP 8: ONCE THE DATA TRANSFORMATION TASK IS DONE THEN CLICK ON THE CLOSE AND APPLY BUTTON TO LOAD THE DATA FOR FURTHER PROCESSING.

**CLOSE AND APPLY THE TRANSFORMED DATA**

RowID	State_Name	District_Name	Crop_Year	Season	Crop	Area
1	Bihar	NALANDA	2005	Rabi	Wheat	
2	Assam	KARBI ANGLONG	2019	Whole Year	Onion	
3	Gujarat	ANAND	2020	Summer	Maize	
4	Karnataka	UTTAR KANNAD	2013	Rabi	Groundnut	
5	Karnataka	CHANNarayana	2016	Rabi	Onion	
6	Karnataka	SAONI	2014	Rabi	Rapeseed & Mustard	
7	Karnataka	PUR	2006	Winter	Rapeseed & Mustard	
8	Karnataka	PUR	2017	Whole Year	Garlic	
9	Karnataka	AUM	2019	Whole Year	Coconut	
10	Karnataka	RIER	2020	Summer	Moong(Green Gram)	
11	Karnataka	IR-CHAMPA	2013	Kharif	Other Kharif pulses	
12	Karnataka	IR-ANGLONG	2019	Rabi	Rapeseed & Mustard	
13	Karnataka	VASTI	2005	Kharif	Groundnut	
14	Karnataka	AN	2019	Kharif	Moong(Green Gram)	
15	Karnataka	KARNUR	2008	Whole Year	Sweet potato	
16	Uttar Pradesh	KASGANJ	2019	Rabi	Tobacco	
17	Haryana	MAHENDRAGARH	2006	Rabi	Wheat	
18	Assam	DHEMAJI	2017	Whole Year	Turmeric	
19	Assam	BAKSA	2015	Kharif	Small millets	
20	Kerala	PATHANAMTHITTA	2008	Whole Year	Sugarcane	
21	Chhattisgarh	JANIGIR-CHAMPA	2018	Rabi	Linseed	
22	Chhattisgarh	DHAMTARI	2020	Whole Year	Banana	
23	Karnataka	BELLARY	2016	Rabi	Maize	
24	Assam	TINSUKIA	2020	Autumn	Rice	
25	Uttar Pradesh	RAE BARELI	2016	Kharif	Maize	
26	Karnataka	KOLAR	2020	Rabi	Cowpea(Lobia)	
27	Madhya Pradesh	NEEMUCH	2019	Whole Year	Sesamum	

STEP 9: AFTER LOADING THE DATA GO TO THE REPORT VIEW AND VISUALIZE THE DATASET INTO DESIRED FORMAT.

**Visualizations**

- Build visual
- Quick measure
- Filters
- Measures
- Visual styles
- Interactions
- Selection pane
- Field pane
- Legend

**Data**

- AGRICULTURE CSV
- Area
- Crop
- Crop\_Year
- District\_Name
- Production
- RowID
- Season
- State\_Name

**Measures**

- Sum of Area
- Sum of Crop\_Year
- Sum of Production
- Count of RowID

HENCE, OUR BASIC OPERATION IS COMPLETE.