

Week 1 Deliverables:

Internship on Exhaustive Analysis of Indian Agriculture Sector Using Power BI

Overview of Week 1 Learning

The primary aim of this internship is to create an exhaustive analysis dashboard for the Indian agriculture sector using Power BI. In the first mentoring session, we explored the foundational features of Power BI and performed basic data operations step by step. Below is a summary of the key concepts and tasks covered:

Key Concepts Learned:

1. Power BI Interface Overview:

- We started with a blank Power BI report interface.
- Explored the visualization pane on the right, which contains various chart types for creating visualizations.
- Understood the functionality of the home tab for accessing core options like loading datasets.

2. ETL Process in Power BI:

- **Extract:** Pulling data from sources like CSV files. This involves identifying the correct dataset and ensuring it is in a compatible format for Power BI.
- **Transform:** Preprocessing data, including cleaning, handling missing values, and removing unnecessary information. During this step:
 - Unnecessary columns, such as identifiers or metadata not useful for analysis, were removed.
 - Blank columns and those deemed irrelevant to the dashboard objectives were also eliminated.
 - Data quality issues, such as null values or duplicate entries, were addressed to ensure consistency.

- **Load:** Loading cleaned and processed data into Power BI for further analysis and visualization.

3. **Data Views in Power BI:**

- **Report View:** For creating and interacting with visualizations.
- **Table View:** For reviewing raw data and understanding its structure.
- **Model View:** For building relationships among datasets to enable advanced analytics.

4. **Power Query Editor:**

- Accessed via the Transform Data button in the Home tab.
- Used for data cleaning, removing duplicate or null values, and transforming data types.

Tasks Performed in Week 1:

1. **Loading Data:**

- Opened a CSV file using the "Get Data" option from the Home tab.
- Selected the CSV file and explored options to Load or Transform the data.

2. **Data Transformation:**

- Opened Power Query Editor to preprocess the dataset.
- Removed unnecessary columns, including those with blank values or data irrelevant to the analysis objectives, by selecting and clicking "Remove."
- Checked for null values using the "Column Quality" feature under the View tab.
- Handled issues like duplicates, blank rows, and errors using options like Remove Duplicates and Remove Errors.
- Adjusted data types for columns to ensure consistency and compatibility with Power BI visualizations.
- Ensured that the cleaned data was structured properly for analysis by reorganizing or renaming columns as needed.

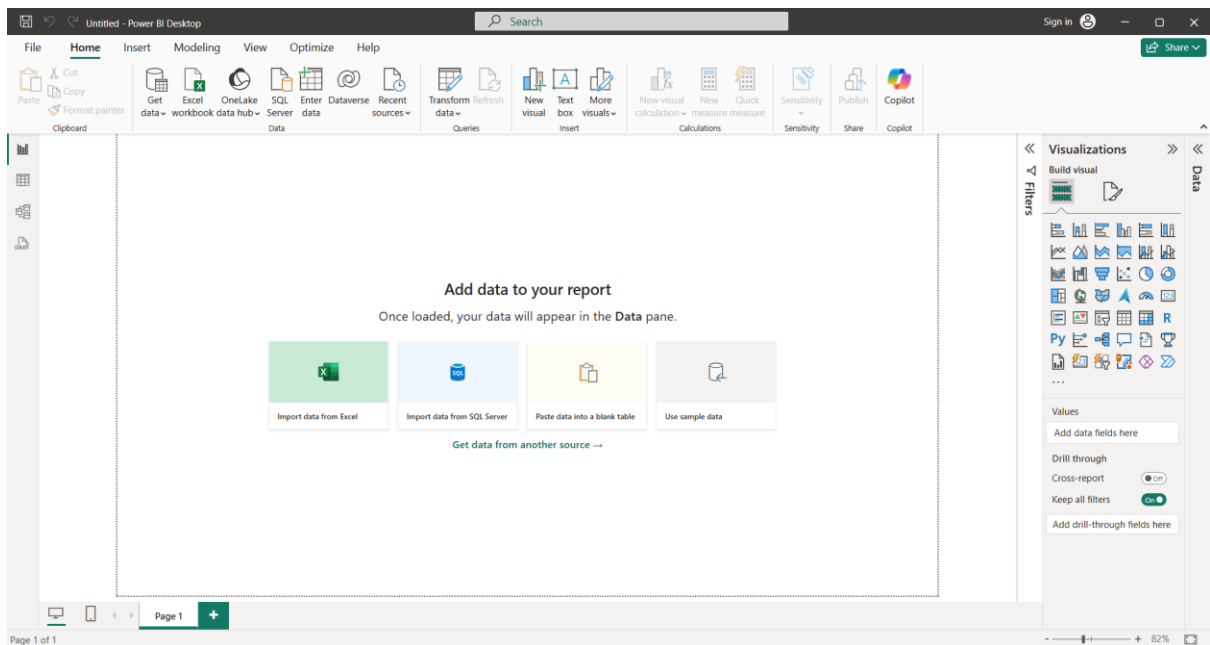
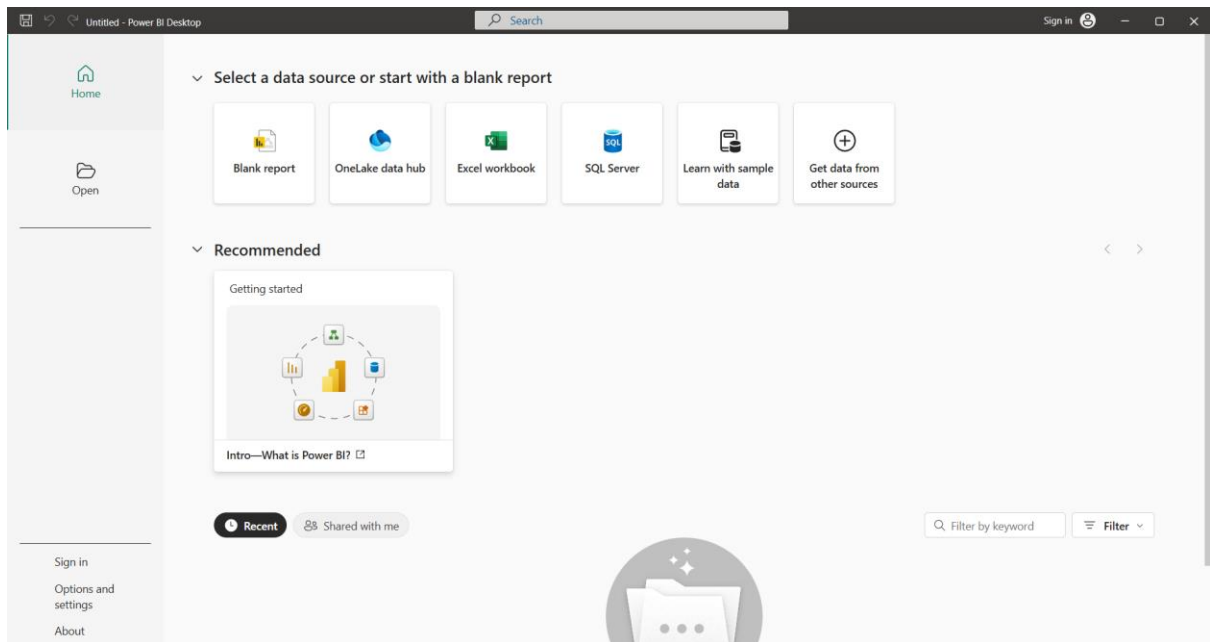
3. Saving the Transformed Data:

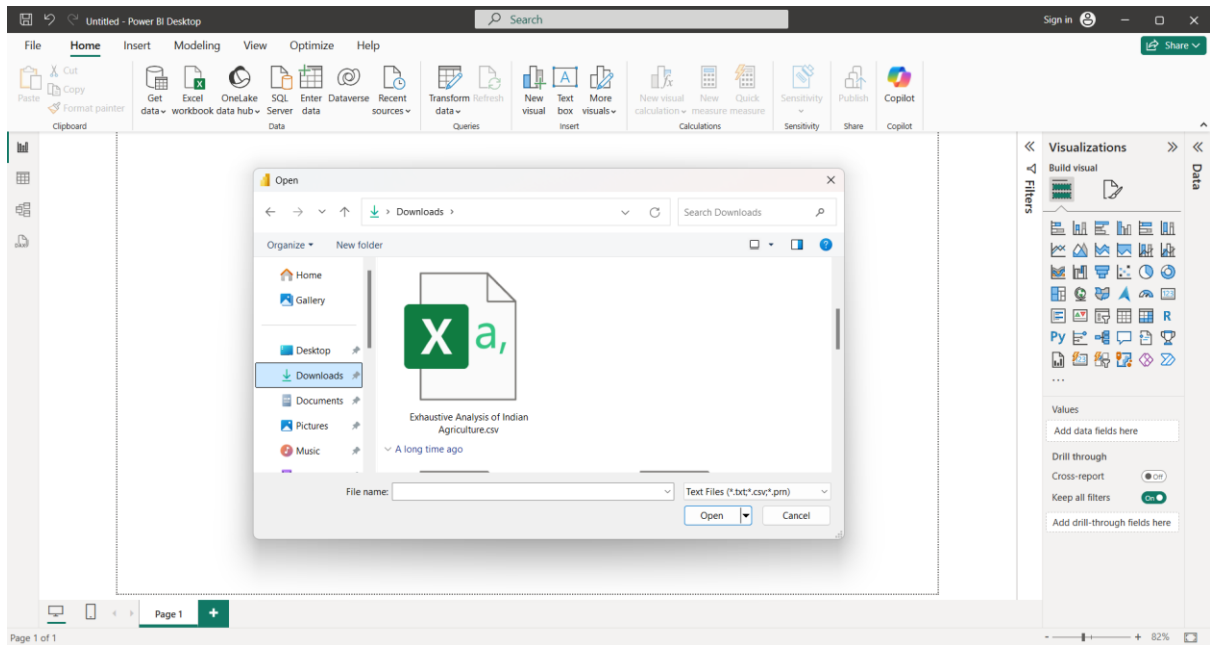
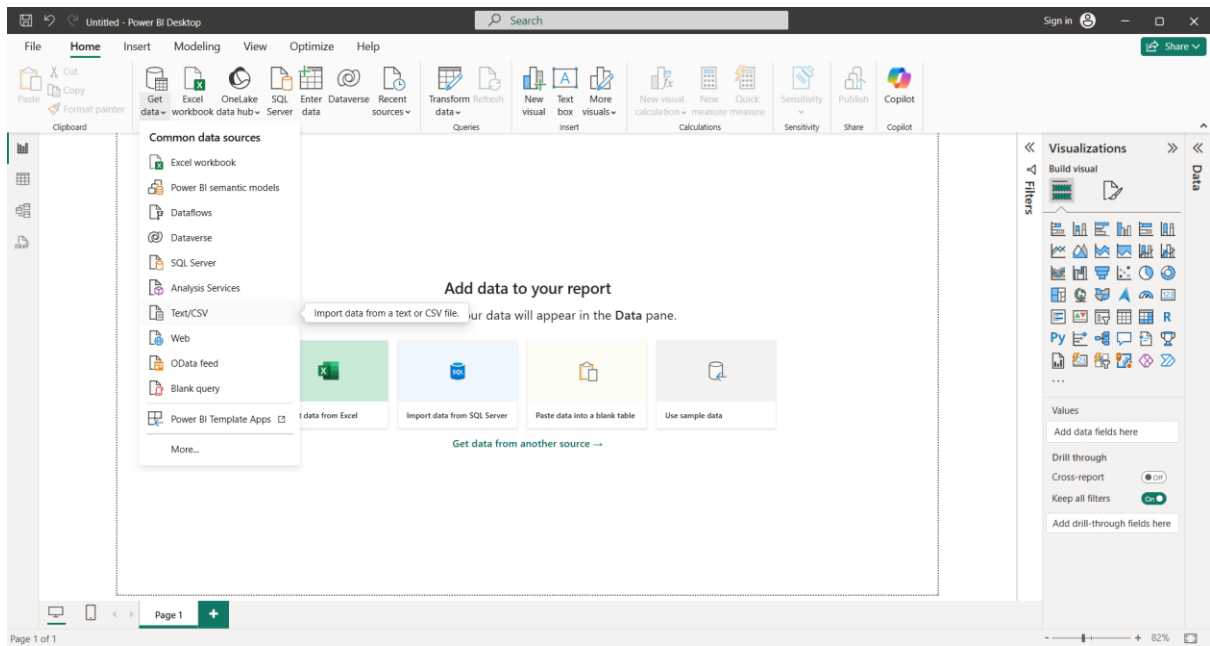
- After completing the data cleaning process, saved the changes and loaded the transformed data into Power BI for visualization.

Screenshots:

Include screenshots of the following tasks performed:

1. Loading a CSV file in Power BI.
2. Power Query Editor interface showing data cleaning steps.
3. Column Quality feature in Power Query Editor.
4. Final dataset after transformation.





Untitled - Power BI Desktop

File Home Insert Modeling View Optimize Help

Get data - workbook data hub

Exhaustive Analysis of Indian Agriculture.csv

File Origin: 1252: Western European (Windows) Delimiter: Comma Data Type Detection: Based on first 200 rows

RowID	State_Name	District_Name	Crop_Year	Season	Crop	Area	Production	_1	_2
0	Bihar	NALANDA	2005	Rabi	Wheat	81934	160425		
1	Assam	KARBI ANGLONG	2019	Whole Year	Onion	257	514		
2	Gujarat	AMAND	2020	Summer	Maize	100	100	Total production	
3	Karnataka	UTTAR KANNAD	2013	Rabi	Groundnut	2872	4572	45168275000	
4	Uttar Pradesh	JAINPUR	2016	Rabi	Onion	110	1290		
5	Assam	MARIGAOIN	2014	Rabi	Rapeseed & Mustard	6535	2719		
6	Odisha	SONERPUR	2006	Winter	Rapeseed & Mustard	91	6		
7	Rajasthan	DHOLPUR	2017	Whole Year	Garlic	1	1		
8	Karnataka	BELGAUM	2018	Whole Year	Coconut	336	3212		
9	Bihar	MUNGER	2020	Summer	Moong(Green Gram)	125	78		
10	Chhattisgarh	JANJIR-CHAMPA	2013	Kharif	Other Kharif pulses	223	107		
11	Assam	KARBI ANGLONG	2019	Rabi	Rapeseed & Mustard	19337	8652		
12	Uttar Pradesh	SHRAVASTI	2005	Kharif	Groundnut	72	58		
13	Gujarat	PATAN	2019	Kharif	Moong(Green Gram)	9100	3300		
14	Tamil Nadu	KARUR	2008	Whole Year	Sweet potato	20	309		
15	Uttar Pradesh	KASGANJ	2019	Rabi	Tobacco	5247	28354		
16	Haryana	MAHENDRAGARH	2006	Rabi	Wheat	45074	186000		
17	Assam	DHEMAJI	2017	Whole Year	Turmeric	321	211		
18	Assam	BAKSA	2015	Kharif	Small millets	284	127		
19	Kerala	PATHANAMTHITTA	2008	Whole Year	Sugarcane	224	10950		

Extract Table Using Examples Load Transform Data Cancel

Visualizations

Filters

Values

Drill through

Cross-report

Keep all filters

Add drill-through fields here

Page 1 of 1

Untitled - Power BI Desktop

File Home Insert Modeling View Optimize Help

Get data - workbook data hub

There are pending changes in your queries that haven't been applied.

Load

Exhaustive Analysis of Indian Agriculture
Creating connection in model...

Cancel

Import data from Excel Import data from SQL Server Paste data into a blank table Use sample data

Get data from another source -->

Visualizations

Filters

Values

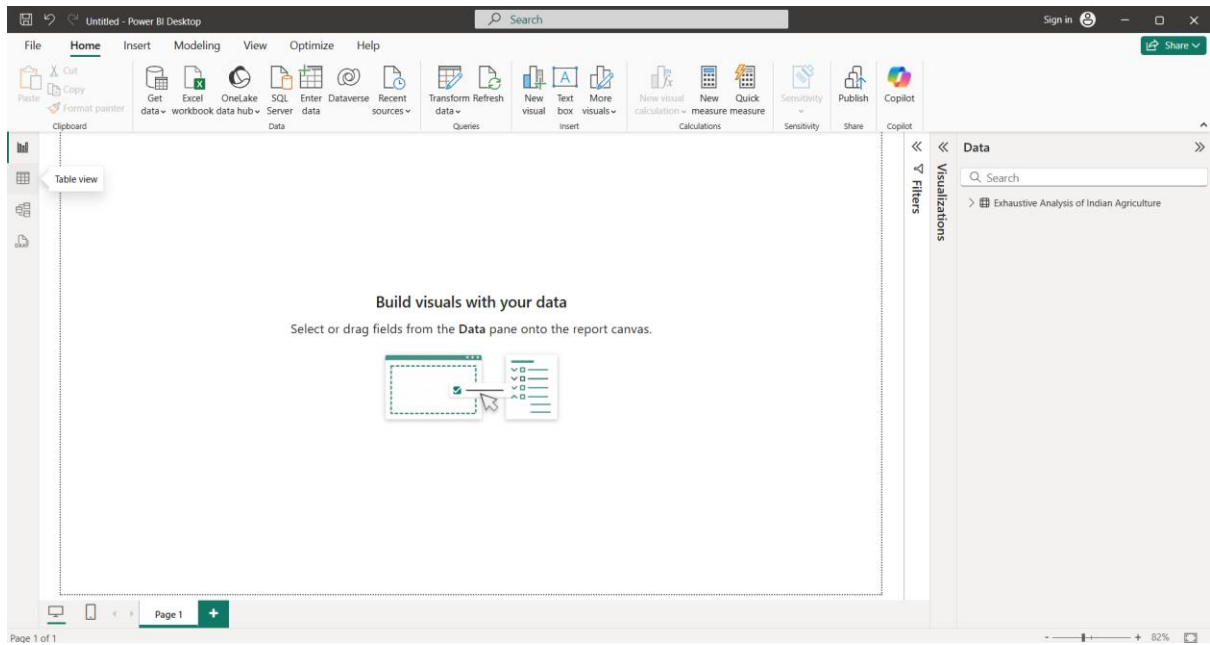
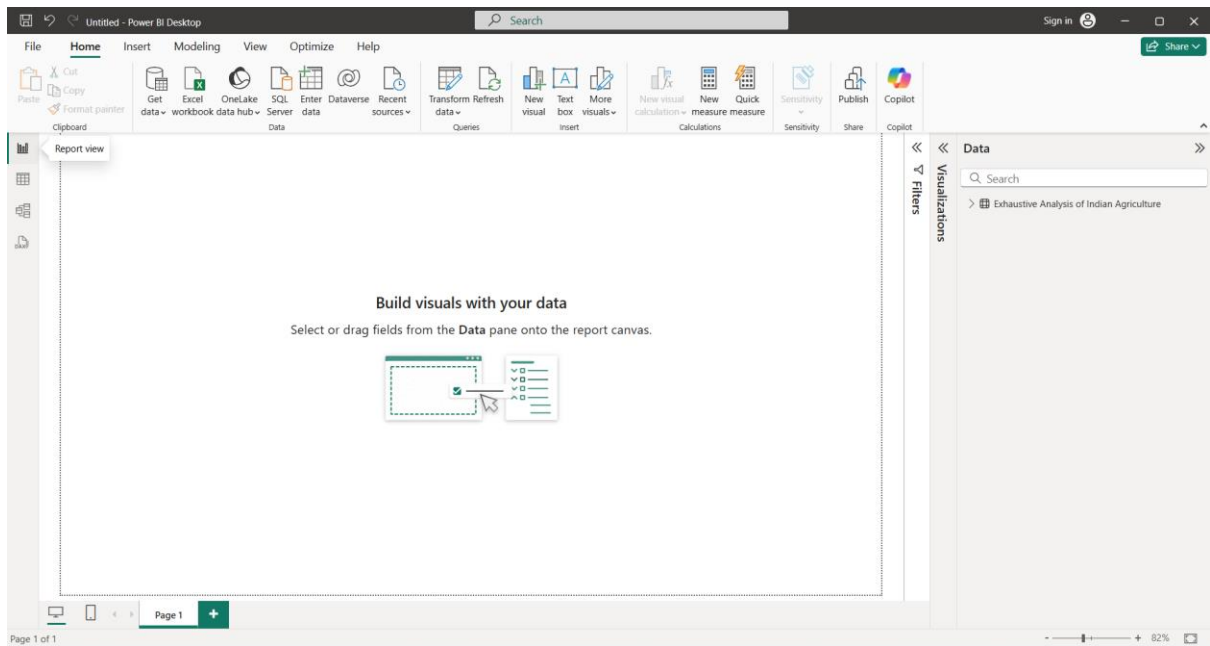
Drill through

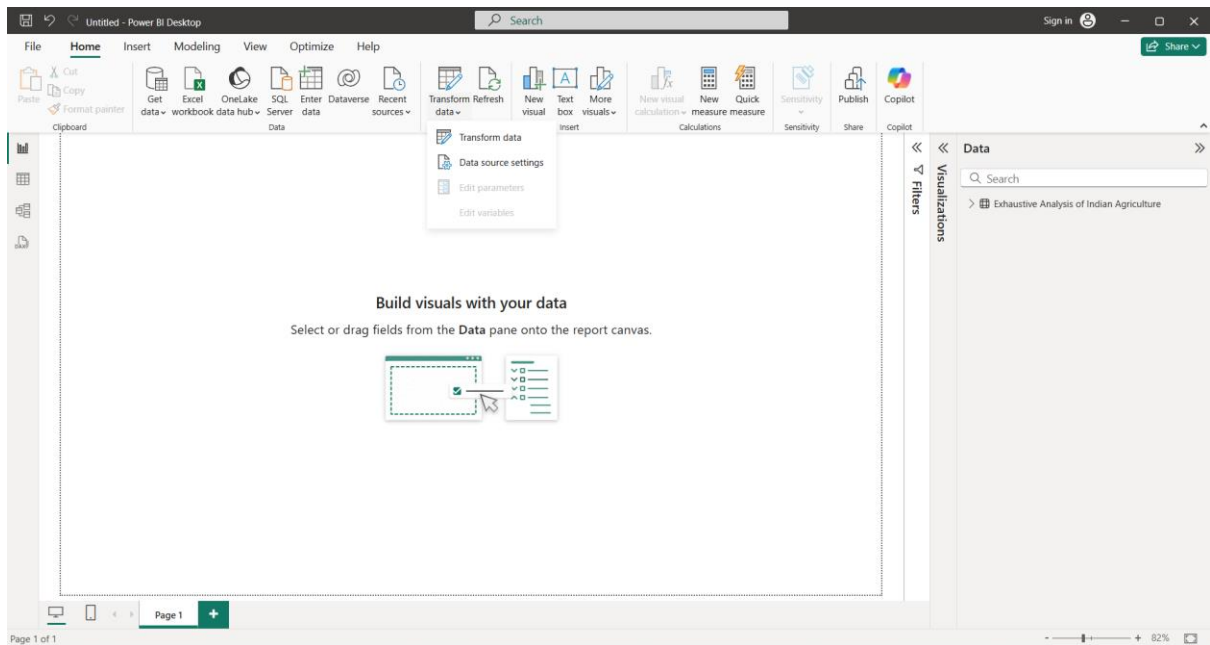
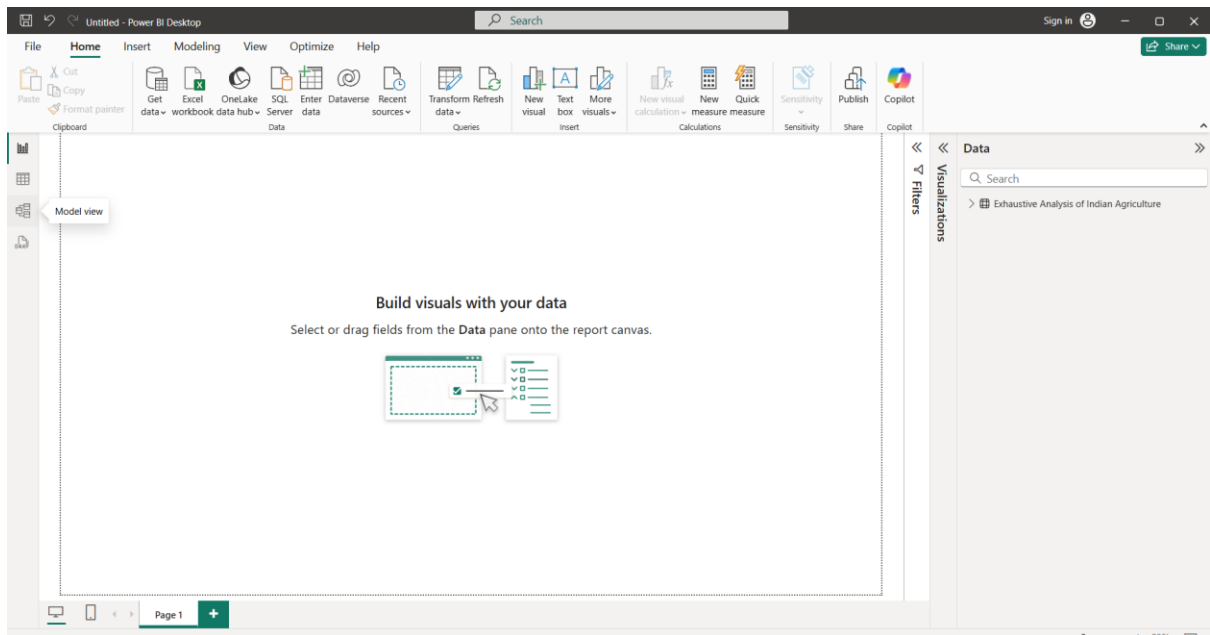
Cross-report

Keep all filters

Add drill-through fields here

Page 1 of 1





Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Close & Apply New Source Recent Sources Enter Data Data source settings Manage Parameters Refresh Preview Manage Query Choose Columns Remove Columns Keep Rows Remove Rows Split Column Group By Data Type: Whole Number Use First Row as Headers Replace Values Transform Merge Queries Append Queries Combine Files Azure Machine Learning Vision AI Insights

Queries [1] = Table.TransformColumnTypes(*Promoted Headers*,{("RowID", Int64.Type), ("State_Name", type text), ("District_Name", type text),

Exhaustive Analysis of In...

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	Uttar Pradesh	JAUNPUR	2016	Rabi	Onion	
6	Assam	MARIGAON	2014	Rabi	Rapeseed & Mustard	
7	Odisha	SONEPUR	2006	Winter	Rapeseed & Mustard	
8	Rajasthan	DHOLPUR	2017	Whole Year	Garlic	
9	Karnataka	BELGAUM	2018	Whole Year	Coconut	
10	Bihar	MUNGER	2020	Summer	Moong(Green Gram)	
11	Chhattisgarh	JANGIR-CHAMPA	2013	Kharrif	Other Kharrif pulses	
12	Assam	KARBI ANGLONG	2019	Rabi	Rapeseed & Mustard	
13	Uttar Pradesh	SHRAVASTI	2005	Kharrif	Groundnut	
14	Gujarat	PATAN	2019	Kharrif	Moong(Green Gram)	
15	Tamil Nadu	KARUR	2008	Whole Year	Sweet potato	
16	Uttar Pradesh	KASGANI	2019	Rabi	Tobacco	
17	Haryana	MAHENDRAGARH	2006	Rabi	Wheat	
18	Assam	DHEMAJI	2017	Whole Year	Turmeric	
19	Assam	BAKSA	2015	Kharrif	Small millets	
20	Kerala	PATHANAMTHITTA	2008	Whole Year	Sugarcane	
21	Chhattisgarh	JANGIR-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	Kharrif	Maize	
26	Karnataka	KOLAR	2020	Rabi	Cowpea(Lobia)	
27	Karnataka	KOLAR	2020	Rabi	Cowpea(Lobia)	
28	Madhya Pradesh	NEEMUCH	2019	Whole Year	Sesamum	

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

PREVIEW DOWNLOADED AT 06:56 PM

Query Settings

PROPERTIES

Name

Exhaustive Analysis of Indian Agriculture

APPLIED STEPS

Source

Promoted Headers

Changed Type

Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Close & Apply New Source Recent Sources Enter Data Data source settings Manage Parameters Refresh Preview Manage Query Choose Columns Remove Columns Keep Rows Remove Rows Split Column Group By Data Type: Whole Number Use First Row as Headers Replace Values Transform Merge Queries Append Queries Combine Files Azure Machine Learning Vision AI Insights

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3	Gujarat	ANAND	2020	Summer	Maize	
4	Karnataka	UTTAR KANNAD	2013	Rabi	Groundnut	
5	Uttar Pradesh	JAUNPUR	2016	Rabi	Onion	
6	Assam	MARIGAON	2014	Rabi	Rapeseed & Mustard	
7	Odisha	SONEPUR	2006	Winter	Rapeseed & Mustard	
8	Rajasthan	DHOLPUR	2017	Whole Year	Garlic	
9	Karnataka	BELGAUM	2018	Whole Year	Coconut	
10	Bihar	MUNGER	2020	Summer	Moong(Green Gram)	
11	Chhattisgarh	JANGIR-CHAMPA	2013	Kharrif	Other Kharrif pulses	
12	Assam	KARBI ANGLONG	2019	Rabi	Rapeseed & Mustard	
13	Uttar Pradesh	SHRAVASTI	2005	Kharrif	Groundnut	
14	Gujarat	PATAN	2019	Kharrif	Moong(Green Gram)	
15	Tamil Nadu	KARUR	2008	Whole Year	Sweet potato	
16	Uttar Pradesh	KASGANI	2019	Rabi	Tobacco	
17	Haryana	MAHENDRAGARH	2006	Rabi	Wheat	
18	Assam	DHEMAJI	2017	Whole Year	Turmeric	
19	Assam	BAKSA	2015	Kharrif	Small millets	
20	Kerala	PATHANAMTHITTA	2008	Whole Year	Sugarcane	
21	Chhattisgarh	JANGIR-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	Kharrif	Maize	
26	Karnataka	KOLAR	2020	Rabi	Cowpea(Lobia)	
27	Karnataka	KOLAR	2020	Rabi	Cowpea(Lobia)	
28	Madhya Pradesh	NEEMUCH	2019	Whole Year	Sesamum	

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

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Query Settings

PROPERTIES

Name

Exhaustive Analysis of Indian Agriculture

APPLIED STEPS

Source

Promoted Headers

Changed Type

Power Query Editor interface showing a table with columns: L2 Area, L2 Production, and L2. A context menu is open over the L2 column, listing options like Remove, Copy, Paste, etc. The right sidebar shows the 'APPLIED STEPS' pane with 'Removed Columns' selected.

	L2 Area	L2 Production	L2
1	81934	160425	
2	257	514	
3	100	100	
4	2872	4572	
5	110	1290	
6	6535	2719	
7	91	6	
8	1	1	
9	336	3212	
10	125	78	
11	223	107	
12	19337	8652	
13	72	58	
14	9100	3300	
15	20	309	
16	5247	28554	
17	45074	186000	
18	321	211	
19	284	127	
20	224	10950	
21	2497	658	
22	46	1520	
23	3418	7487	
24	5806	7964	
25	11	13	
26	14	5	
27	780	456	
28			

Power Query Editor interface showing a table with columns: State_Name, District_Name, Crop_Year, Season, Crop, L2 Area, and L2 Production. The right sidebar shows the 'APPLIED STEPS' pane with 'Removed Columns' selected.

	State_Name	District_Name	Crop_Year	Season	Crop	L2 Area	L2 Production
1	Bihar	NALANDA	2005	Rabi	Wheat	81934	
2	Assam	KARBI ANGLONG	2019	Whole Year	Onion	257	
3	Gujarat	ANAND	2020	Summer	Maize	100	
4	Karnataka	UTTAR KANNAD	2013	Rabi	Groundnut	2872	
5	Uttar Pradesh	JALNPUR	2016	Rabi	Onion	110	
6	Assam	MARIGAOIN	2014	Rabi	Rapeseed & Mustard	6535	
7	Odisha	SONEPUR	2006	Winter	Rapeseed & Mustard	91	
8	Rajasthan	DIHOLPUR	2017	Whole Year	Garlic	1	
9	Karnataka	BELGAUM	2018	Whole Year	Coconut	336	
10	Bihar	MUNGER	2020	Summer	Moong(Green Gram)	125	
11	Chhattisgarh	JANIGIR-CHAMPA	2013	Kharif	Other Kharif pulses	223	
12	Assam	KARBI ANGLONG	2019	Rabi	Rapeseed & Mustard	19337	
13	Uttar Pradesh	SHRAVASTI	2005	Kharif	Groundnut	72	
14	Gujarat	PATAN	2019	Kharif	Moong(Green Gram)	9100	
15	Tamil Nadu	KARUR	2008	Whole Year	Sweet potato	20	
16	Uttar Pradesh	KASGANI	2019	Rabi	Tobacco	5247	
17	Haryana	MAHENDRAGARH	2006	Rabi	Wheat	45074	
18	Assam	DHEMAJI	2017	Whole Year	Turmeric	321	
19	Assam	BAKSA	2015	Kharif	Small millets	284	
20	Kerala	PATHANAMTHITTA	2008	Whole Year	Sugarcane	224	
21	Chhattisgarh	JANIGIR-CHAMPA	2018	Rabi	Unseed	2497	
22	Chhattisgarh	DHAMTARI	2020	Whole Year	Banana	46	
23	Karnataka	BELLARY	2016	Rabi	Maize	3418	
24	Assam	TINSUKIA	2020	Autumn	Rice	5806	
25	Uttar Pradesh	RAE BARELI	2016	Kharif	Maize	11	
26	Karnataka	KOLAR	2020	Rabi	Cowpea(Lobia)	14	
27	Madhya Pradesh	NEEMUCH	2019	Whole Year	Sesamum	780	
28							

File Home Transform Add Column View Tools Help

Query Settings

Layout Data Preview Columns Parameters Advanced Dependencies

Queries [1] **Table.RemoveColumns(#"Changed Type",{"RowID", "", "_1", "_2", "_3"})**

State_Name	District_Name	Crop_Year	Season	Crop	Area	Production
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Assam	KARBI ANGLONG	2019	Whole Year	Onion	257	
Gujarat	ANAND	2020	Summer	Maize	100	
Karnataka	UTTAR KANNAD	2013	Rabi	Groundnut	2872	
Uttar Pradesh	JALNPUR	2016	Rabi	Onion	110	
Assam	MARIGAON	2014	Rabi	Rapeseed & Mustard	6535	
Odisha	SONEPUR	2006	Winter	Rapeseed & Mustard	91	
Rajasthan	DHOLPUR	2017	Whole Year	Garlic	1	
Karnataka	BELGAUM	2018	Whole Year	Coconut	336	
Bihar	MUNGER	2020	Summer	Moong(Green Gram)	125	
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Assam	DHEMAJ	2017	Whole Year	Turmeric	321	
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Uttar Pradesh	RAE BARELI	2016	Kharif	Maize	11	
Karnataka	KOLAR	2020	Rabi	Cowpea(Lobia)	14	
Madhya Pradesh	NEEMUCH	2019	Whole Year	Sesamum	780	

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

PREVIEW DOWNLOADED AT 07:06 PM

PROPERTIES
Name
Exhaustive Analysis of Indian Agriculture

APPLIED STEPS
Source
Promoted Headers
Changed Type
Removed Columns

File Home Transform Add Column View Tools Help

Query Settings

Layout Data Preview Columns Parameters Advanced Dependencies

Queries [1] **Table.RemoveColumns(#"Changed Type",{"RowID", "", "_1", "_2", "_3"})**

State_Name	District_Name	Crop_Year	Season	Crop	Area	Production
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Assam	KARBI ANGLONG	2019	Whole Year	Onion	257	
Gujarat	ANAND	2020	Summer	Maize	100	
Karnataka	UTTAR KANNAD	2013	Rabi	Groundnut	2872	
Uttar Pradesh	JALNPUR	2016	Rabi	Onion	110	
Assam	MARIGAON	2014	Rabi	Rapeseed & Mustard	6535	
Odisha	SONEPUR	2006	Winter	Rapeseed & Mustard	91	
Rajasthan	DHOLPUR	2017	Whole Year	Garlic	1	
Karnataka	BELGAUM	2018	Whole Year	Coconut	336	
Bihar	MUNGER	2020	Summer	Moong(Green Gram)	125	
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Gujarat	PATAN	2019	Kharif	Moong(Green Gram)	9100	
Tamil Nadu	KARUR	2008	Whole Year	Sweet potato	20	
Uttar Pradesh	KASGANJ	2019	Rabi	Tobacco	5247	
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Assam	TINSUKIA	2020	Autumn	Rice	5806	
Uttar Pradesh	RAE BARELI	2016	Kharif	Maize	11	
Karnataka	KOLAR	2020	Rabi	Cowpea(Lobia)	14	
Madhya Pradesh	NEEMUCH	2019	Whole Year	Sesamum	780	

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

PREVIEW DOWNLOADED AT 07:06 PM

PROPERTIES
Name
Exhaustive Analysis of Indian Agriculture

APPLIED STEPS
Source
Promoted Headers
Changed Type
Removed Columns

Power Query Editor interface showing a table with columns: State_Name, District_Name, Crop_Year, Season, Crop, Area, and Production. The table is filtered by State_Name (Valid) and District_Name (Valid). The table has 7 columns and 999+ rows. The status bar indicates "Column profiling based on top 1000 rows".

State_Name	District_Name	Crop_Year	Season	Crop	Area	Production
Valid	Valid	Valid	Valid	Valid	Valid	Valid
1000 (100%)	0 (0%)	0 (0%)				
Valid	Error					
Empty	Empty					

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

Power Query Editor interface showing a table with columns: State_Name, District_Name, Crop_Year, Season, Crop, Area, and Production. The table is filtered by State_Name (Valid) and District_Name (Valid). The table has 7 columns and 999+ rows. The status bar indicates "Column profiling based on top 1000 rows".

State_Name	District_Name	Crop_Year	Season	Crop	Area	Production
Valid	Valid	Valid	Valid	Valid	Valid	Valid
1000 (100%)	0 (0%)	0 (0%)				
Valid	Error					
Empty	Empty					

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

Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Close & Apply New Source Recent Sources Enter Data Data source settings Manage Parameters Refresh Preview Manage Query Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Whole Number Replace Values Merge Queries Append Queries Combine Files Text Analytics Vision Azure Machine Learning

Queries [1] Table.RemoveRowsWithErrors(#"Removed Columns", {"State_Name"})

Exhaustive Analysis of Indian Agriculture

	State_Name	District_Name	Crop_Year	Season	Crop	Area	Production
1	Bihar	NALANDA	2019	Rabi	Wheat	81934	
2	Assam	KARBI ANGLONG	2019	Rabi	Onion	257	
3	Gujarat	ANAND	2019	Kharif	Maize	100	
4	Karnataka	UTTAR KANNAD	2019	Kharif	Groundnut	2872	
5	Uttar Pradesh	JAINPUR	2019	Rabi	Onion	110	
6	Assam	MARIGAON	2019	Rabi	Rapeseed & Mustard	6535	
7	Odisha	SONEPUR	2019	Rabi	Rapeseed & Mustard	91	
8	Rajasthan	DHOLPUR	2019	Rabi	Garlic	1	
9	Karnataka	BELGAUM	2019	Rabi	Coconut	386	
10	Bihar	MUNGER	2019	Rabi	Moong(Green Gram)	125	
11	Chhattisgarh	JANIGIR-CHAMPA	2019	Rabi	Other Kharif pulses	223	
12	Assam	KARBI ANGLONG	2019	Rabi	Rapeseed & Mustard	19337	
13	Uttar Pradesh	SHRAVASTI	2019	Rabi	Groundnut	72	
14	Gujarat	PATAN	2019	Rabi	Moong(Green Gram)	9100	
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23	Karnataka	BELLARY	2019	Rabi	Maize	3418	
24	Assam	TINSUKIA	2019	Rabi	Rice	5806	
25							

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

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ETL : Extract - PULL DATA from data source: excel , csv , text , database file
 Transform - data processing , data cleaning
 LOAD : for analysis

analysis : keep facts , insights via dashboards

load : when your data is cleaned
 transformed : when you want to process the data.

report view : visualization
 table view : see the data
 model view : so that we can create relationship among data.

Exhaustive Analysis of Indian Agriculture - Last saved: Today at 7:15 PM

Search

File Home Help Table tools

Name Exhaustive Analysis...

Manage relationships

New Quick New New

measure measure column

Calculations

Mark as date table

Calendars

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	AURAHA	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	CHANDAUJI	2014	Kharif	Small millets	1	1
Uttar Pradesh	GONDA	2015	Kharif	Sannhamp	1	0
Uttar Pradesh	CHANDAUJI	2012	Kharif	Small millets	1	0
Uttar Pradesh	BAREILLY	2022	Kharif	Moong(Green Gram)	1	0
Uttar Pradesh	PRATAPGARH	2008	Kharif	Groundnut	1	1
Uttar Pradesh	JALAUN	2010	Kharif	Sunflower	1	1
Uttar Pradesh	MEERUT	2008	Kharif	Groundnut	1	1
Uttar Pradesh	SAHARANPUR	2019	Kharif	Arhar/Tur	1	1
Uttar Pradesh	AGRA	2011	Kharif	Groundnut	1	1
Uttar Pradesh	CIDWATADAN	2010	Kharif	Groundnut	1	1

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

Exhaustive Analysis of Indian Agriculture

Area

Crop

Crop_Year

District_Name

Production

Season

State_Name

Conclusion: In the first week, we gained a solid understanding of the Power BI interface and the essential steps of the ETL process. These foundational skills will be instrumental as we progress toward creating the dashboard for the Indian agriculture sector.