

# EXHAUSTIVE ANALYSIS OF INDIAN AGRICULTURE USING POWER BI

"This project aims to address critical challenges and support sustainable growth in Indian agriculture."

## 1. Load the Data into Power BI

Open Power BI Desktop.

Go to the Home tab and click on Get Data.

Choose your data source (Excel, CSV, SQL, etc.) and click Connect.

Locate the file or database, select the required data, and click Load.

## 2. Open Power Query Editor

After loading the data, click on Transform Data in the Home tab to open the Power Query Editor.

The Power Query Editor is where you'll perform most of your data transformations.

## 3.Remove Unnecessary Columns

In the Power Query Editor, examine your data and determine if there are any columns that are not necessary for your analysis.

Select the columns you want to remove.

Right-click and choose Remove or click Remove Columns in the ribbon.

## 4.Apply Steps & Close Power Query

Once all transformations are complete, click Close & Apply in the Power Query Editor.

This will apply all your changes and load the transformed data back into Power BI for further analysis and visualization.

"The below power BI dashboard presents a detailed analysis of Indian agriculture and insights related to crop production"

Untitled - Power BI Desktop

Search

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File Home Help Table tools Column tools

Name: State\_Name

Data type: Text

Format: Text

Summarization: Don't summarize

Data category: Uncategorized

Sort by: column

Data groups

Manage relationships

New column

Calculations

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
Uttar Pradesh	CHANDAULI	2012	Kharif	Small millets	1	0
Uttar Pradesh	BAREILLY	2022	Kharif	Moong(Green Gram)	1	0
Uttar Pradesh	PRATAPGARH	2008	Kharif	Groundnut	1	1

Table: Exhaustive Analysis of Indian Agriculture (73,827 rows) Column: State\_Name (33 distinct values)

Search

Exhaustive Analysis of Indian Agri...

Area

Crop

Crop\_Year

District\_Name

Production

Season

State\_Name