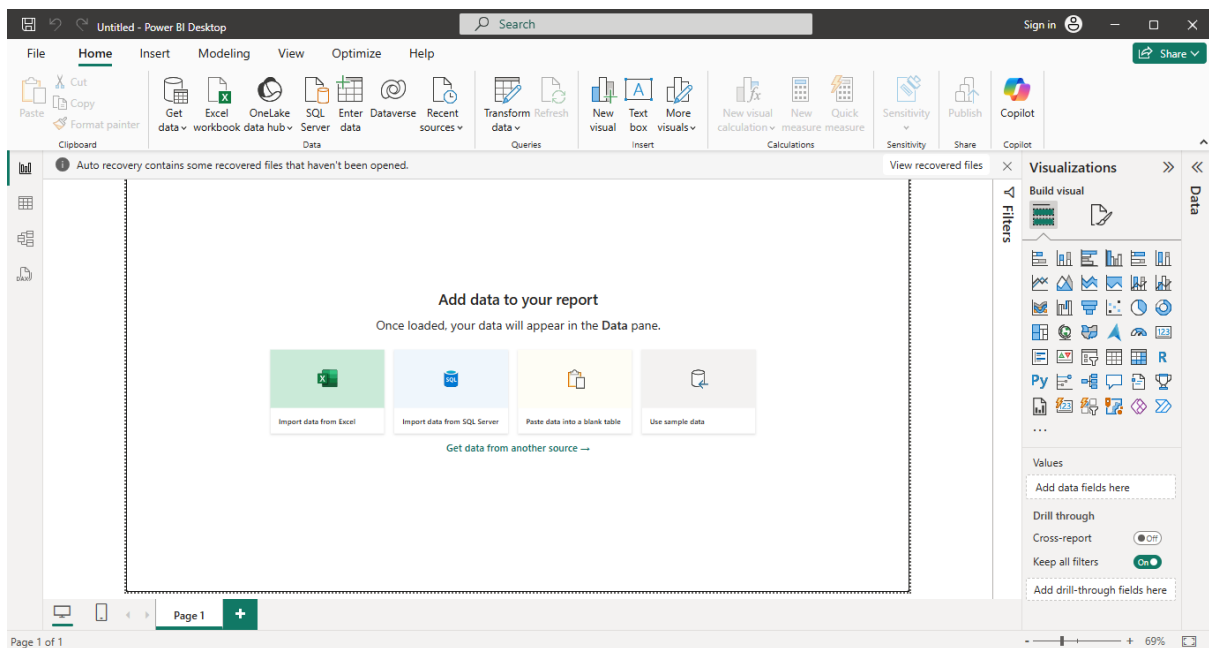
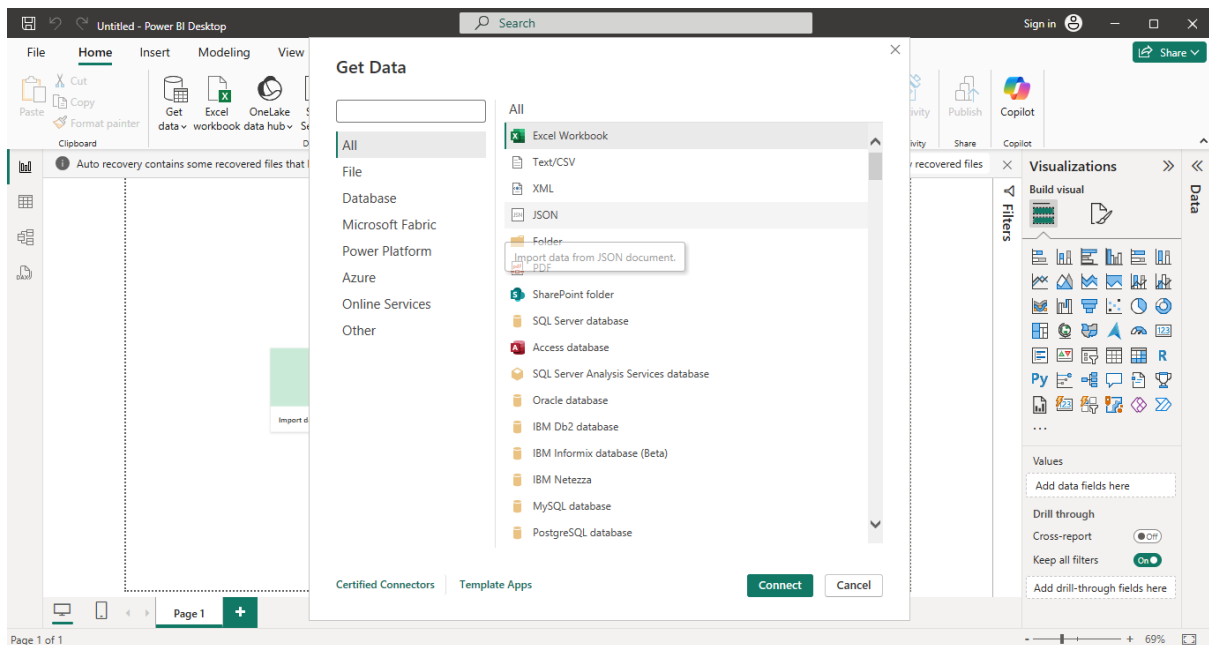


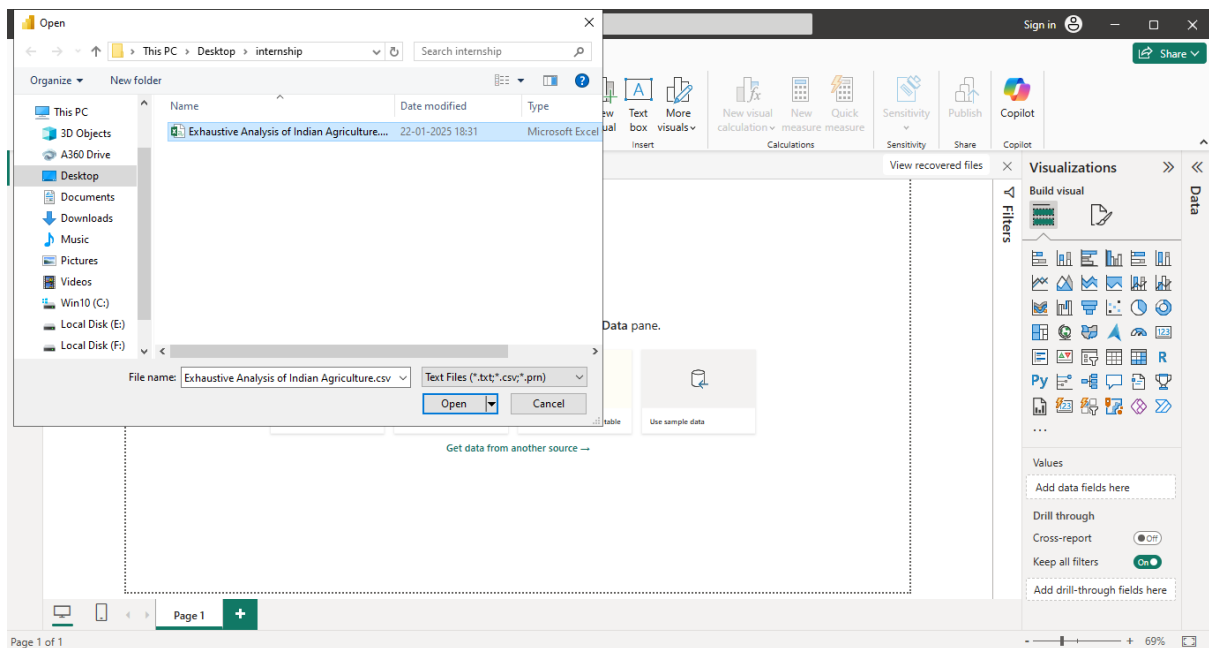
The above screenshot shows the first page of power BI, which is called “CANAVS”.



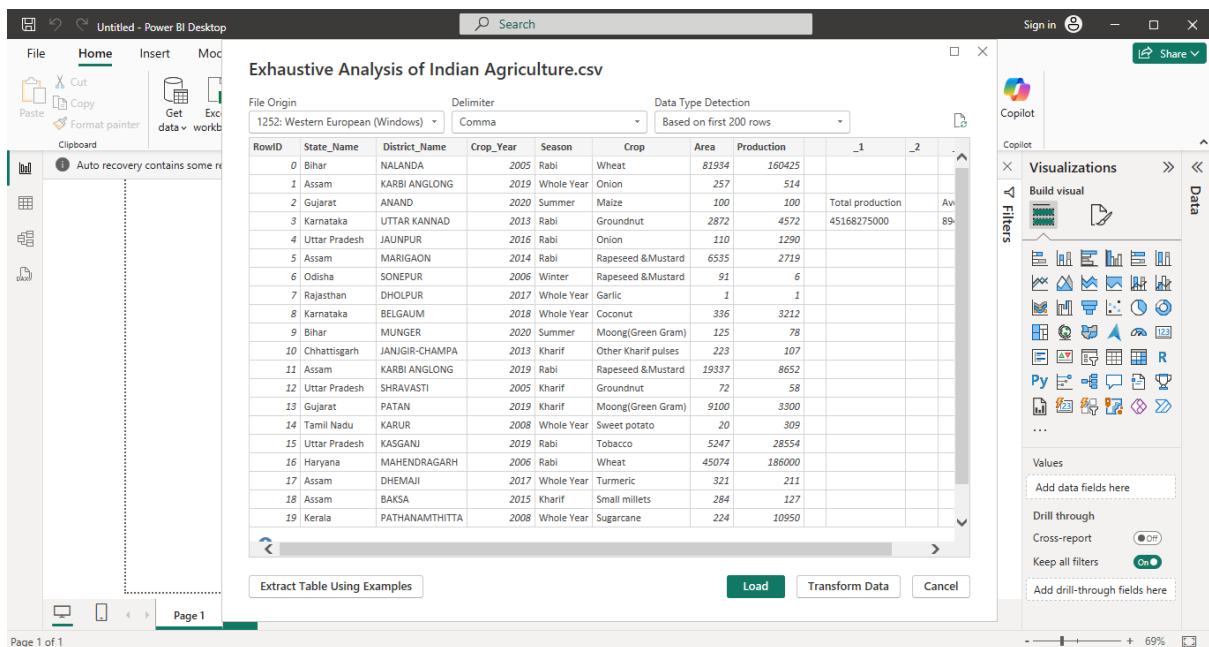
To upload the data click on **Get Data** select the type of the file.



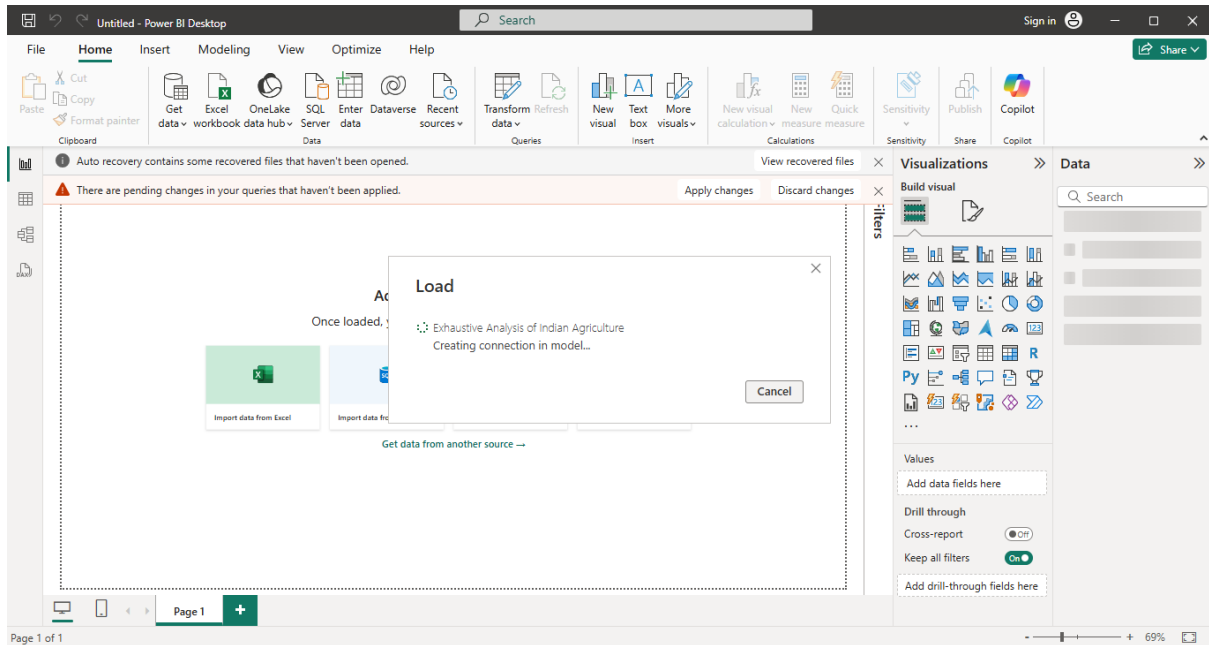
After selecting the type of the file, selecting the file that need to upload.



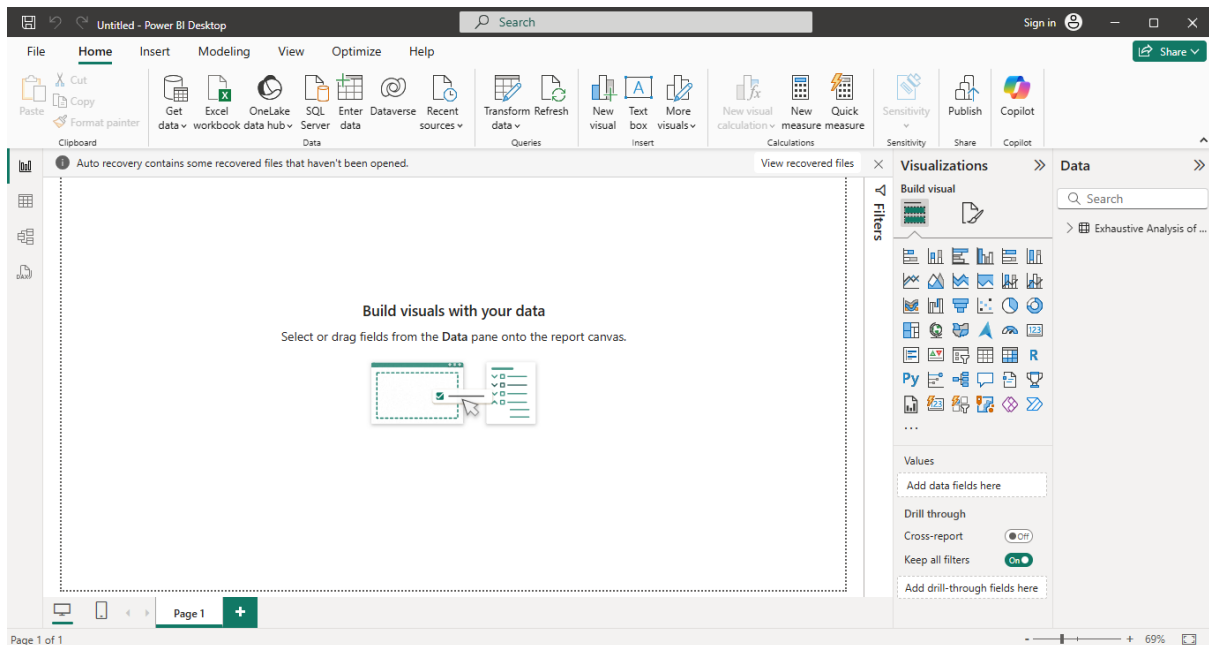
The below ScreenShot shows that data .The data is about “Exhaustive Analysis of the Agriculture”.



In the above ScreenShot there are two options **Load** and **Transform**. By clicking on **Load** it shows below ScreenShot.



After **Load** operation the file is appeared on right side i.e. **Data**.



After **Load** operation ,clicking on **Transform** in above ScreenShot it goes to **Power Query Editor** and shows below ScreenShot.

The screenshot shows the Power Query Editor window. The formula bar contains the query: `= Table.TransformColumnTypes(*Promoted Headers*,{{"RowID", Int64.Type}, {"State_Name", type text},`

RowID	State_Name	District_Name	Crop_Year	Season	Crop
1	0 Bihar	NALANDA	2005	Rabi	Wheat
2	1 Assam	KARBI ANGLONG	2019	Whole Year	Onion
3	2 Gujarat	ANAND	2020	Summer	Maize
4	3 Karnataka	UTTAR KANNAD	2013	Rabi	Groundnut
5	4 Uttar Pradesh	JAUHPUR	2016	Rabi	Onion
6	5 Assam	MARIGAOIN	2014	Rabi	Rapeseed & Mustard
7	6 Odisha	SONEPUR	2006	Winter	Rapeseed & Mustard
8	7 Rajasthan	DHOLPUR	2017	Whole Year	Garlic
9	8 Karnataka	BELGAUM	2018	Whole Year	Coconut
10	9 Bihar	MUNGER	2020	Summer	Moong/Green Gram
11	10 Chhattisgarh	JANIGIR-CHAMPA	2013	Kharif	Other Kharif
12	11 Assam	KARBI ANGLONG	2019	Rabi	Rapeseed & Mustard
13	12 Uttar Pradesh	SHRAVASTI	2005	Kharif	Groundnut
14	13 Gujarat	PATAN	2019	Kharif	Moong/Green Gram
15	14 Tamil Nadu	KARUR	2008	Whole Year	Sweet potato
16	15 Uttar Pradesh	KASGANJ	2019	Rabi	Tobacco
17	16 Haryana	MAHENDRAGARH	2006	Rabi	Wheat
18	17 Assam	DHEMAJI	2017	Whole Year	Turmeric
19	18 Assam	BAKSA	2015	Kharif	Small millets
20	19 Kerala	PATHANAMTHITTA	2008	Whole Year	Sugarcane
21	20 Chhattisgarh	JANIGIR-CHAMPA	2018	Rabi	Linseed
22	21 Chhattisgarh	DHAMIATARI	2020	Whole Year	Banana
23	22 Karnataka	BELLARY	2016	Rabi	Maize

The status bar at the bottom indicates "12 COLUMNS, 999+ ROWS" and "Column profiling based on top 1000 rows".

To know the errors or empty cells ,click on **view** then **column quality** it shows below ScreenShot.

The screenshot shows the Power Query Editor with the 'View' tab selected and 'Column quality' checked. The table now includes a header row for data quality metrics.

	Valid	Error	Empty	Valid	Error	Empty	Valid	Error	Empty	Valid	Error	Empty	Valid	Error	Empty	Valid	Error	Empty
1	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
2	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
3	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
4	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
5	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
6	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
7	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
8	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
9	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
10	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
11	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
12	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
13	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
14	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
15	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
16	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
17	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
18	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
19	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
20	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%
21	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%

The status bar at the bottom indicates "12 COLUMNS, 999+ ROWS" and "Column profiling based on top 1000 rows".

By selecting the three columns to delete ,click on **Remove columns** and it shows on right side in **Applied Steps**.

Power Query Editor interface showing the removal of columns. The formula bar displays the transformation: `= Table.RemoveColumns(#\"Changed Type\",{\"_1\", \"_2\", \"_3\"})`. The data table shows columns for Area, Production, and various metrics. The right sidebar shows the 'APPLIED STEPS' list with 'Removed Columns' at the bottom.

	1.2 Area	1.2 Production	A _C	A _C _1	A _C _3
	100% Valid 0% Error 0% Empty	100% Valid 0% Error 0% Empty	100% Valid 0% Error 0% Empty	0% Valid 0% Error 100% Empty	< 1% Valid 0% Error 99% Empty
1		81934	160425		
2		257	514		
3		100	100	Total production	Average
4		2872	4572	45168275000	89488.975
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					

After Deleting the unnecessary columns. To go to **Power BI Desktop** click on **Close & Apply** on left side and select **Close & Apply**.

Power Query Editor interface showing the removal of columns. The formula bar displays the transformation: `= Table.RemoveColumns(#\"Changed Type\",{\"_1\", \"_2\", \"_3\", \"\"})`. The data table shows columns for Crop Year, Season, Crop, and various metrics. The right sidebar shows the 'APPLIED STEPS' list with 'Removed Columns' at the bottom.

	1.2 Crop Year	1.2 Season	1.2 Crop	1.2 Area	1.2 Production
	100% Valid 0% Error 0% Empty	100% Valid 0% Error 0% Empty	100% Valid 0% Error 0% Empty	100% Valid 0% Error 0% Empty	100% Valid 0% Error 0% Empty
1		2005 Rabi	Wheat	81934	160425
2		2019 Whole Year	Onion	257	514
3		2020 Summer	Maize	100	100
4		2013 Rabi	Groundnut	2872	4572
5		2016 Rabi	Onion	110	1290
6		2014 Rabi	Rapeseed & Mustard	6535	2719
7		2006 Winter	Rapeseed & Mustard	91	6
8		2017 Whole Year	Garlic	1	1
9		2018 Whole Year	Coconut	336	3212
10		2020 Summer	Moong(Green Gram)	125	78
11		2013 Kharif	Other Kharif pulses	223	107
12		2019 Rabi	Rapeseed & Mustard	19337	8652
13		2005 Kharif	Groundnut	72	58
14		2019 Kharif	Moong(Green Gram)	9100	3300
15		2008 Whole Year	Sweet potato	20	309
16		2019 Rabi	Tobacco	5247	28554
17		2006 Rabi	Wheat	45074	186000
18		2017 Whole Year	Turmeric	321	211
19		2015 Kharif	Small millets	284	127
20		2008 Whole Year	Sugarcane	224	10950
21					

The below ScreenShot shows **Table View**.

Table: Exhaustive Analysis of Indian Agriculture (73,827 rows) Column: Production (22,196 distinct values)

RowID	State_Name	District_Name	Crop_Year	Season	Crop	Area	Production
48	Uttar Pradesh	PILIBHIT	2009	Kharif	Moong(Green Gram)	1	0.1
657	Uttar Pradesh	AMBEDKAR NAGAR	2012	Kharif	Small millets	1	0
959	Uttar Pradesh	MUZAFFARNAGAR	2012	Kharif	Sannhamp	1	0
1469	Uttar Pradesh	VARANASI	2018	Kharif	Groundnut	1	1
1477	Uttar Pradesh	GORAKHPUR	2020	Kharif	Dry chillies	1	1
1864	Uttar Pradesh	BALRAMPUR	2010	Kharif	Moong(Green Gram)	1	0
2081	Uttar Pradesh	AGRA	2010	Kharif	Sunflower	1	1
3989	Uttar Pradesh	AURAIYA	2018	Kharif	Sannhamp	1	0
4944	Uttar Pradesh	ETAH	2012	Kharif	Soyabean	1	1
4963	Uttar Pradesh	SIDDHARTH NAGAR	2006	Kharif	Moong(Green Gram)	1	0
6377	Uttar Pradesh	HATHRAS	2012	Kharif	Groundnut	1	1
6498	Uttar Pradesh	MUZAFFARNAGAR	2022	Kharif	Sannhamp	1	1
7358	Uttar Pradesh	MATHURA	2010	Kharif	Small millets	1	1
8253	Uttar Pradesh	KAUSHAMBI	2011	Kharif	Sunflower	1	2
8499	Uttar Pradesh	HAMIRPUR	2014	Kharif	Cotton(lint)	1	0
8508	Uttar Pradesh	KANNANJ	2009	Kharif	Moth	1	0.1
9248	Uttar Pradesh	MAHARAJGANJ	2016	Kharif	Small millets	1	1
9773	Uttar Pradesh	BALRAMPUR	2008	Kharif	Moong(Green Gram)	1	1
9775	Uttar Pradesh	CHANDAUJI	2014	Kharif	Small millets	1	1
11191	Uttar Pradesh	GONDA	2015	Kharif	Sannhamp	1	0
11891	Uttar Pradesh	CHANDAUJI	2012	Kharif	Small millets	1	0
13230	Uttar Pradesh	BABIL V.	2012	Kharif	Moong(Green Gram)	1	0

The below ScreenShot shows **Model View**.

Table: Exhaustive Analysis of Indian Agriculture (73,827 rows) Column: Production (22,196 distinct values)

RowID	State_Name	District_Name	Crop_Year	Season	Crop	Area	Production
48	Uttar Pradesh	PILIBHIT	2009	Kharif	Moong(Green Gram)	1	0.1
657	Uttar Pradesh	AMBEDKAR NAGAR	2012	Kharif	Small millets	1	0
959	Uttar Pradesh	MUZAFFARNAGAR	2012	Kharif	Sannhamp	1	0
1469	Uttar Pradesh	VARANASI	2018	Kharif	Groundnut	1	1
1477	Uttar Pradesh	GORAKHPUR	2020	Kharif	Dry chillies	1	1
1864	Uttar Pradesh	BALRAMPUR	2010	Kharif	Moong(Green Gram)	1	0
2081	Uttar Pradesh	AGRA	2010	Kharif	Sunflower	1	1
3989	Uttar Pradesh	AURAIYA	2018	Kharif	Sannhamp	1	0
4944	Uttar Pradesh	ETAH	2012	Kharif	Soyabean	1	1
4963	Uttar Pradesh	SIDDHARTH NAGAR	2006	Kharif	Moong(Green Gram)	1	0
6377	Uttar Pradesh	HATHRAS	2012	Kharif	Groundnut	1	1
6498	Uttar Pradesh	MUZAFFARNAGAR	2022	Kharif	Sannhamp	1	1
7358	Uttar Pradesh	MATHURA	2010	Kharif	Small millets	1	1
8253	Uttar Pradesh	KAUSHAMBI	2011	Kharif	Sunflower	1	2
8499	Uttar Pradesh	HAMIRPUR	2014	Kharif	Cotton(lint)	1	0
8508	Uttar Pradesh	KANNANJ	2009	Kharif	Moth	1	0.1
9248	Uttar Pradesh	MAHARAJGANJ	2016	Kharif	Small millets	1	1
9773	Uttar Pradesh	BALRAMPUR	2008	Kharif	Moong(Green Gram)	1	1
9775	Uttar Pradesh	CHANDAUJI	2014	Kharif	Small millets	1	1
11191	Uttar Pradesh	GONDA	2015	Kharif	Sannhamp	1	0
11891	Uttar Pradesh	CHANDAUJI	2012	Kharif	Small millets	1	0
13230	Uttar Pradesh	BABIL V.	2012	Kharif	Moong(Green Gram)	1	0