Exhaustive Analysis of Indian Agriculture Using Power-BI

Task-1

What is Power-BI?

Power BI (Business Intelligences) It is software to Visual complex data in the form for charts, Real time visuals, KPI's through which we can anlayze the performance.

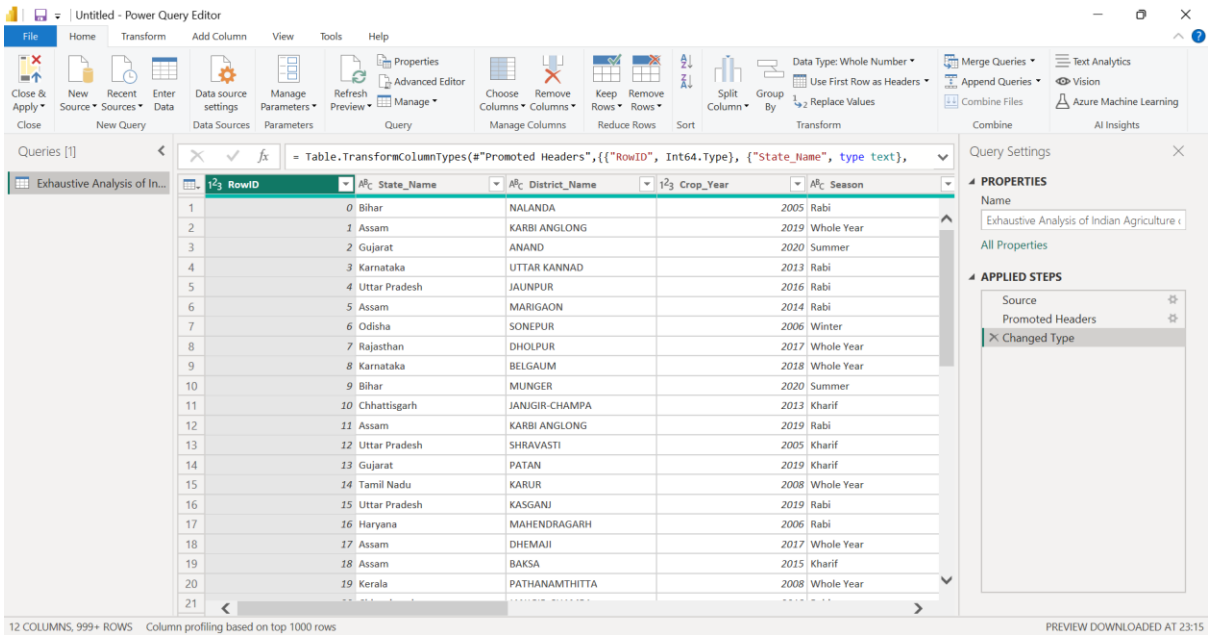
To Load Data in Power BI

ETL Technique (Extract Transform Load)

Extract: We can load data from multiple sources such as web, sql, excel, text/csv and many more

Transform: Before Loading data into power query we need to process and clean the data like removing the null values, or duplicates rows, or filling the null values, checking that data is loaded into its correct type or not

Load: After transforming the data we can load it into the power query to create engaging visuals.



	RowID	State_Name	District_Name	Crop_Year	Season
1	0	Bihar	NALANDA	2005	Rabi
2	1	Assam	KARBI ANGLONG	2019	Whole Year
3	2	Gujarat	ANAND	2020	Summer
4	3	Karnataka	UTTAR KANNAD	2013	Rabi
5	4	Uttar Pradesh	JAUNPUR	2016	Rabi
6	5	Assam	MARIGAON	2014	Rabi
7	6	Odisha	SONEPUR	2006	Winter
8	7	Rajasthan	DHOLPUR	2017	Whole Year
9	8	Karnataka	BELGAUM	2018	Whole Year
10	9	Bihar	MUNGER	2020	Summer
11	10	Chhattisgarh	JANJGIR-CHAMPA	2013	Kharif
12	11	Assam	KARBI ANGLONG	2019	Rabi
13	12	Uttar Pradesh	SHRAVASTI	2005	Kharif
14	13	Gujarat	PATAN	2019	Kharif
15	14	Tamil Nadu	KARUR	2008	Whole Year
16	15	Uttar Pradesh	KASGANJ	2019	Rabi
17	16	Haryana	MAHENDRAGARH	2006	Rabi
18	17	Assam	DHEMAJI	2017	Whole Year
19	18	Assam	BAKSA	2015	Kharif
20	19	Kerala	PATHANAMTHITTA	2008	Whole Year
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Power Query Editor Screen

We have removed the unwanted columns from the table and now we have the 7 columns or the parameters based on that we will make the visualization. Once You Transformed the data try to click on close and apply button to saved the changes which you had made.

Views in power BI

Report View: Here we can design different charts and Visualizations

Table View: We can view our data in Tabular format

Model View: We can visualize how multiple tables are related to each other and analyse the relationship between multiple tables or the data

DAX View: DAX queries are here to help you quickly explore and gain insights from your semantic data model.