

Team ID	PNT2022TMID20086
Project Name	Estimate the Crop Yield using Data Analytics

UNDERSTANDING THE DATASET

This project is based on a understanding the crop production of India .Download the dataset from the below link. It has 2,46,092 data points (rows) and 6 features (columns) describing each crop production related details.

Dataset Link : [Dataset](#)

Let's understand the data we're working with and give a brief overview of what each feature represents or should represent

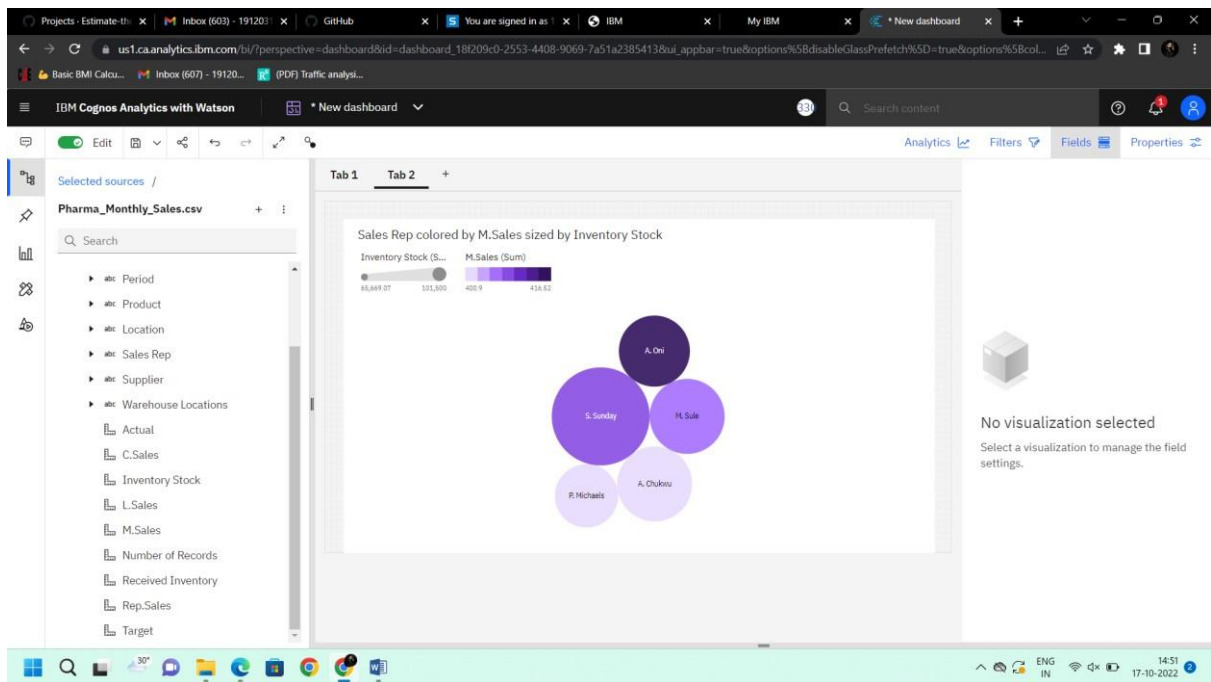
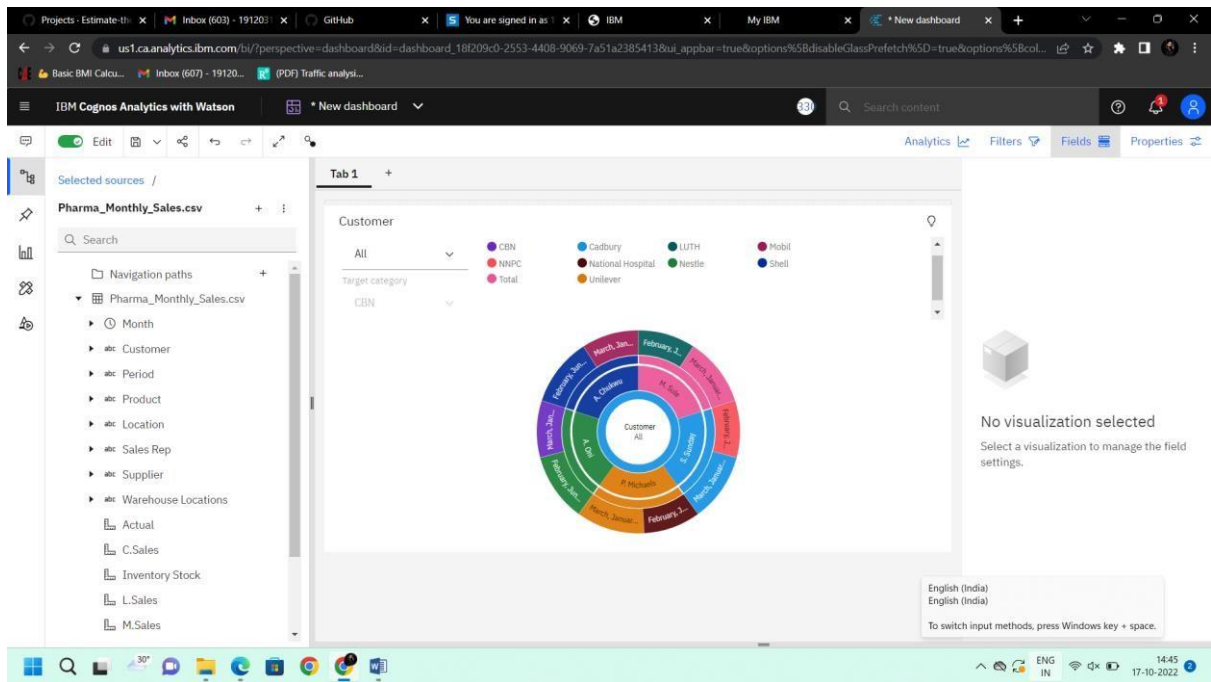
1. State Name - All the Indian State names.
2. District Name -Different District names.
3. Crop Year- contains the crop years.
4. Season – Different seasons for crop production.
5. Area- Total number of areas covered.
6. Production- production of crops.

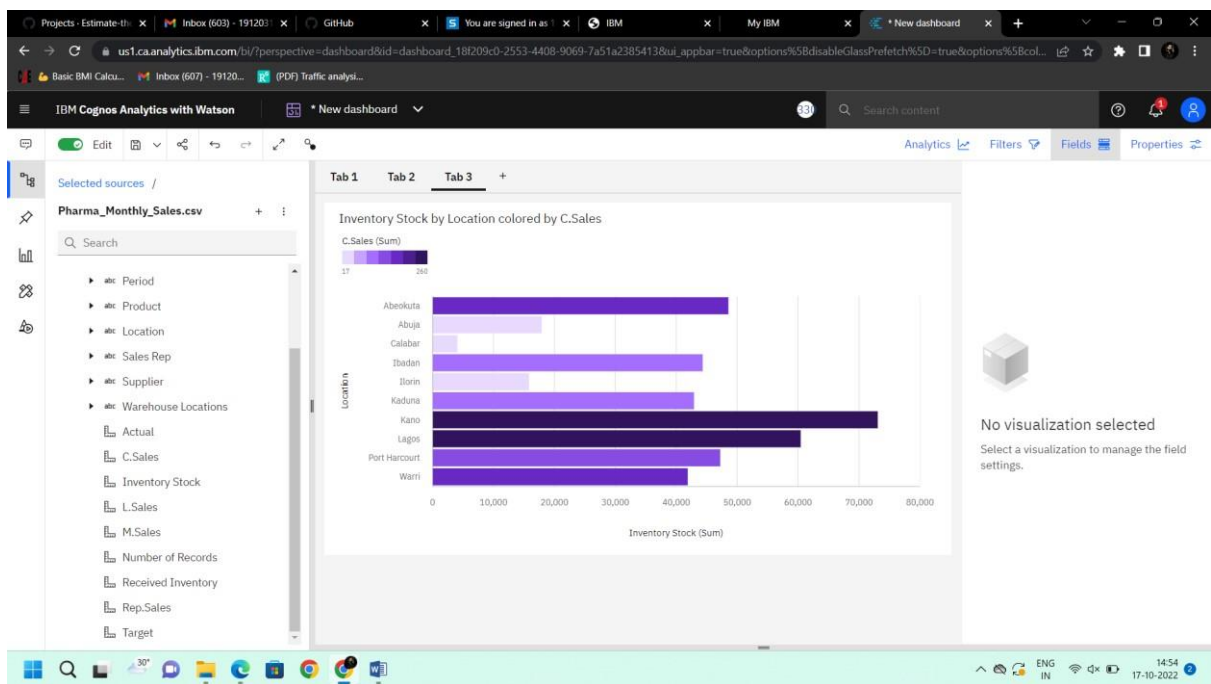
State_Name	District_Name	Crop	Year	Season	Area	Production
Andaman i NICOBARS	2000	Kharif	Areca nut	1254	2000	
Andaman i NICOBARS	2000	Kharif	Other Kharif	2	1	
Andaman i NICOBARS	2000	Kharif	Rice	102	321	
Andaman i NICOBARS	2000	Whole Year	Banana	176	641	
Andaman i NICOBARS	2000	Whole Year	Cashew nut	720	165	
Andaman i NICOBARS	2000	Whole Year	Coconut	18168	65100000	
Andaman i NICOBARS	2000	Whole Year	Dry ginger	36	100	
Andaman i NICOBARS	2000	Whole Year	Sugarcane	1	2	
Andaman i NICOBARS	2000	Whole Year	Sweet potato	5	15	
Andaman i NICOBARS	2000	Whole Year	Tapioca	40	169	
Andaman i NICOBARS	2001	Kharif	Areca nut	1254	2061	
Andaman i NICOBARS	2001	Kharif	Other Kharif	2	1	
Andaman i NICOBARS	2001	Kharif	Rice	83	300	
Andaman i NICOBARS	2001	Whole Year	Cashew nut	719	192	
Andaman i NICOBARS	2001	Whole Year	Coconut	18190	64430000	
Andaman i NICOBARS	2001	Whole Year	Dry ginger	46	100	
Andaman i NICOBARS	2001	Whole Year	Sugarcane	1	1	
Andaman i NICOBARS	2001	Whole Year	Sweet potato	11	33	
Andaman i NICOBARS	2002	Kharif	Rice	189.2	510.84	
Andaman i NICOBARS	2002	Whole Year	Areca nut	1258	2083	
Andaman i NICOBARS	2002	Whole Year	Banana	213	1278	
Andaman i NICOBARS	2002	Whole Year	Black pepper	63	13.5	
Andaman i NICOBARS	2002	Whole Year	Cashew nut	719	208	
Andaman i NICOBARS	2002	Whole Year	Coconut	18240	67490000	
Andaman i NICOBARS	2002	Whole Year	Dry chillies	413	28.8	
Andaman i NICOBARS	2002	Whole Year	Dry ginger	47.3	133	
Andaman i NICOBARS	2002	Whole Year	Sugarcane	5	40	

LOADING THE DATASET

Before you can build a view and analyze your data, you must first connect the data to IBM Cognos. Cognos supports connecting to a wide variety of data, stored in a variety of places. The data might be stored on your computer in a spreadsheet or a text file, or in a big data, relational, or cube (multidimensional) database on a server in your enterprise.

In our case, we will be using a spreadsheet or text file for making our analysis. Go through the video for understanding the connection of dataset in Cognos.





Sales Rep for Location

Column values

● Increase ● Decrease ● Sum

