

## Project Development Phase

### Sprint – 2

Date	5 November2022
Team ID	PNT2022TMID13569
ProjectName	Project-Estimate The Crop Yields by using Data Analytics

**Working with the dataset:**

**Login to the IBM Cognos :**

IBM Cognos Analytics with Watson

Maintenance: Scheduled maintenance completed. Click More Info for details and to subscribe to future events

Hello. Welcome to Cognos Analytics with Watson.

You can get started right away by taking a look at our introduction video, product tour and Getting Started tab.

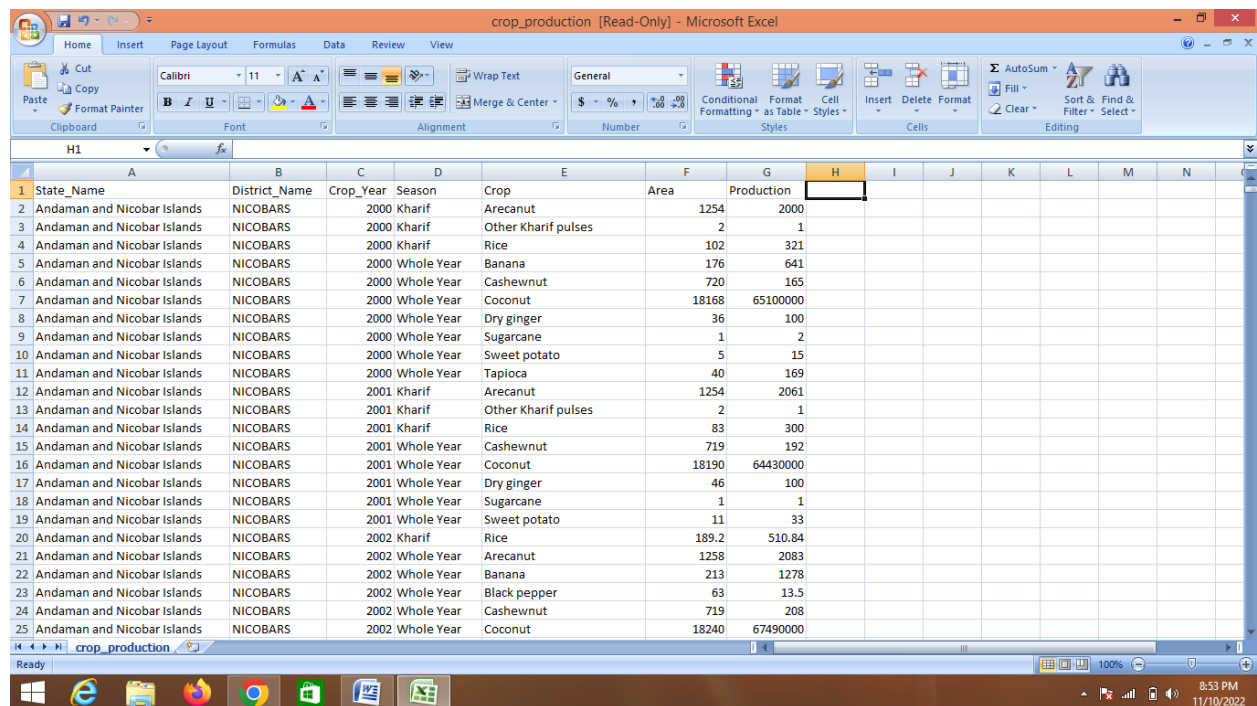
Watch video Take a product tour

Quick launch

- Upload data  
Upload or drag and drop spreadsheets, csv files, and
- Prepare data  
Use data modules to clean and connect data from
- Exploration  
Quickly find unbiased answers by identifying trends
- Present data  
Create sophisticated, multi-page, multi-query

8:49 PM 11/10/2022

## Understanding the dataset:



	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	State_Name	District_Name	Crop_Year	Season	Crop	Area	Production							
2	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Areca nut	1254	2000							
3	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Other Kharif pulses	2	1							
4	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Rice	102	321							
5	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Banana	176	641							
6	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Cashewnut	720	165							
7	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Coconut	18168	65100000							
8	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Dry ginger	36	100							
9	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Sugarcane	1	2							
10	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Sweet potato	5	15							
11	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Tapioca	40	169							
12	Andaman and Nicobar Islands	NICOBARS	2001	Kharif	Areca nut	1254	2061							
13	Andaman and Nicobar Islands	NICOBARS	2001	Kharif	Other Kharif pulses	2	1							
14	Andaman and Nicobar Islands	NICOBARS	2001	Kharif	Rice	83	300							
15	Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Cashewnut	719	192							
16	Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Coconut	18190	64430000							
17	Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Dry ginger	46	100							
18	Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Sugarcane	1	1							
19	Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Sweet potato	11	33							
20	Andaman and Nicobar Islands	NICOBARS	2002	Kharif	Rice	189.2	510.84							
21	Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Areca nut	1258	2083							
22	Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Banana	213	1278							
23	Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Black pepper	63	13.5							
24	Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Cashewnut	719	208							
25	Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Coconut	18240	67490000							

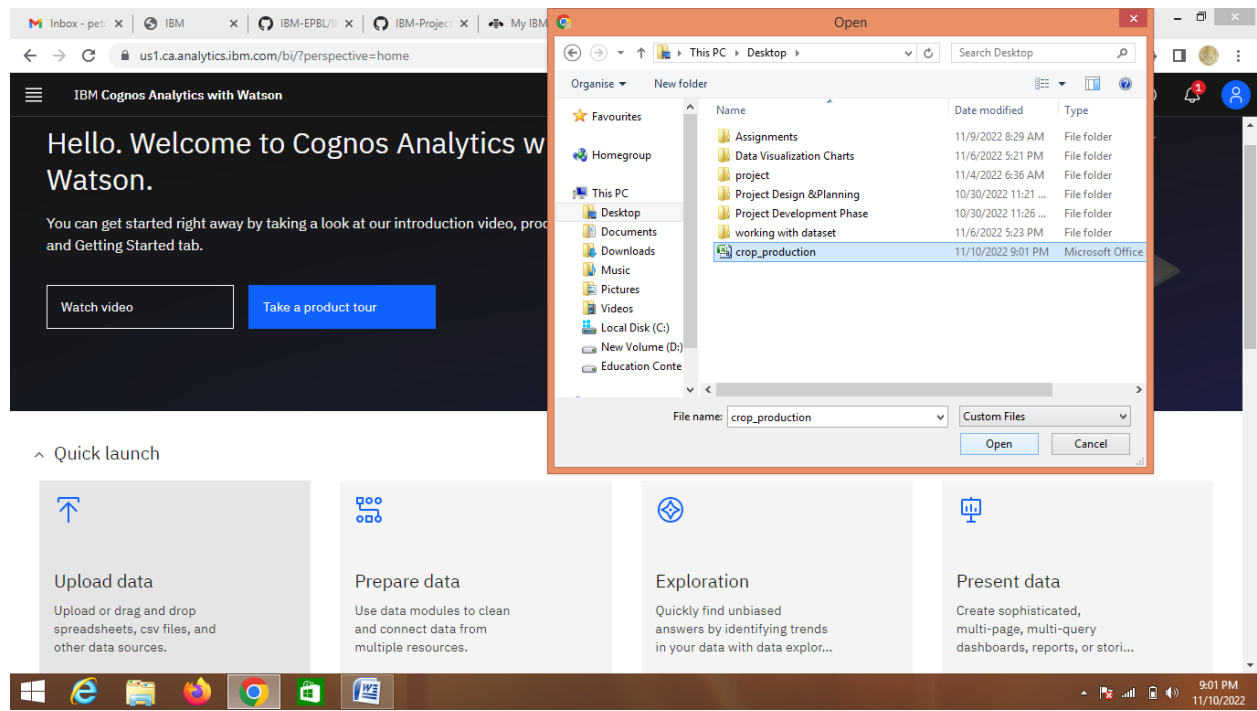
This dataset is based on a understanding the crop production of India . It has 2,46,092 data points (rows) and 6 features (columns) describing each crop production related details.

### 6 features:

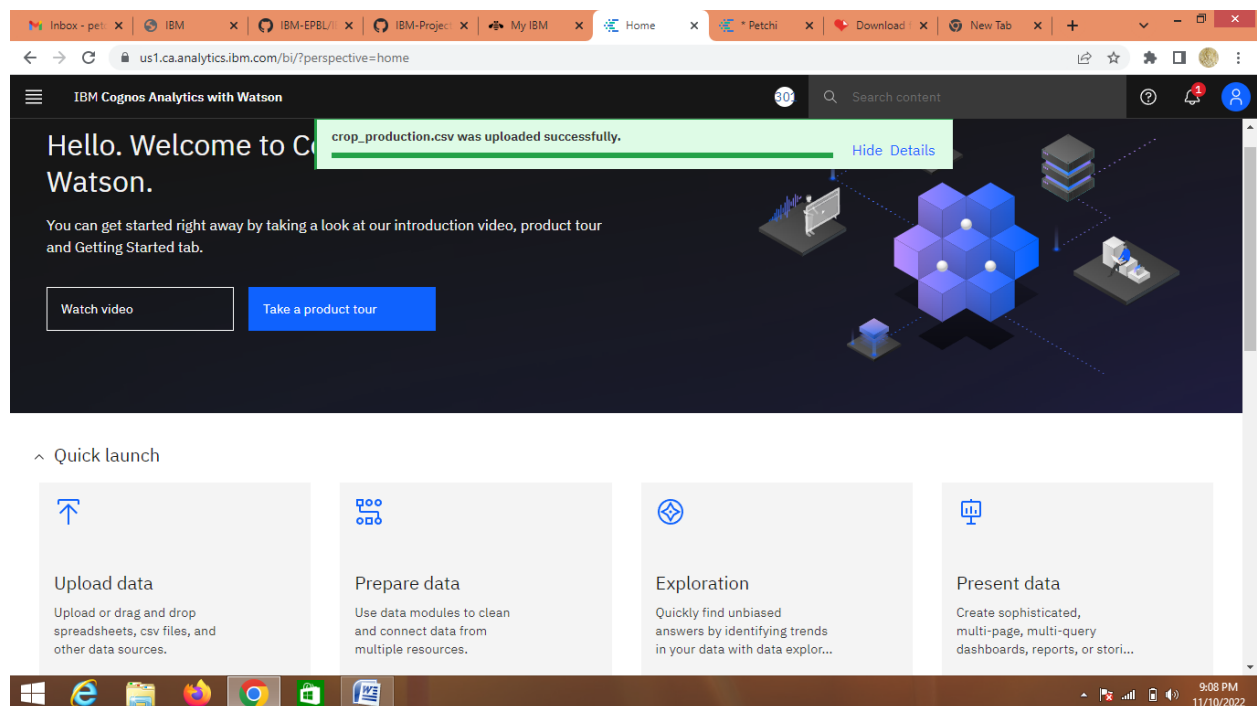
- State Name - All the Indian State names.
- District Name -Different District names.
- Crop Year- contains the crop years.
- Season – Different seasons for crop production.
- Area- Total number of areas covered.
- Production- production of crops

## Loading the dataset: (in the cognos platform)

### 1. Select the Upload data and the dataset that we want to upload



### 2. Dataset was read, analyze and finally uploaded successfully



### 3. Once the dataset was uploaded it will be displayed in Exploration → My Content

The screenshot shows the IBM Cognos Analytics web interface. A modal dialog titled "Add a data source to explore" is open, displaying a list of data sources under the "My content" tab. The list includes files like "50\_Startups.xlsx", "abalone.csv", "crop\_production.csv", "Pharma\_Monthly\_Sales.csv", "SampleSuperstore.csv", and "segmentation data.xlsx". Each entry shows its name, type (e.g., CSV, xlsx), and last accessed date. The "Add" button is highlighted in blue at the bottom right of the dialog.

Name	Type	Last Accessed
50_Startups.xlsx	Uploaded file	9/15/2022, 1:42 AM
abalone.csv	Uploaded file	11/6/2022, 4:39 AM
crop_production.csv	Uploaded file	11/10/2022, 10:38 AM
Pharma_Monthly_Sales.csv	Uploaded file	9/28/2022, 11:42 PM
SampleSuperstore.csv	Uploaded file	9/14/2022, 10:59 AM
segmentation data.xlsx	Uploaded file	11/6/2022, 4:46 AM