

Project Development Phase

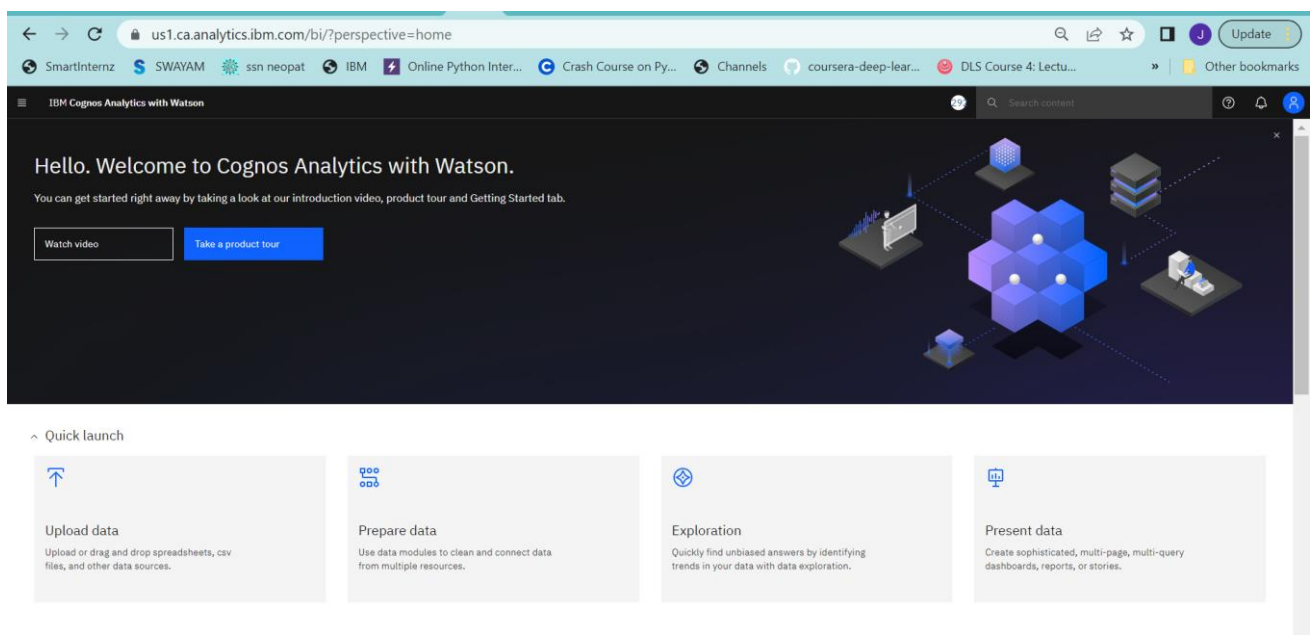
SPRINT-1

Team ID	PNT2022TMID53155
Project Name	Project – Estimate the Crop Yield using Data Analytics

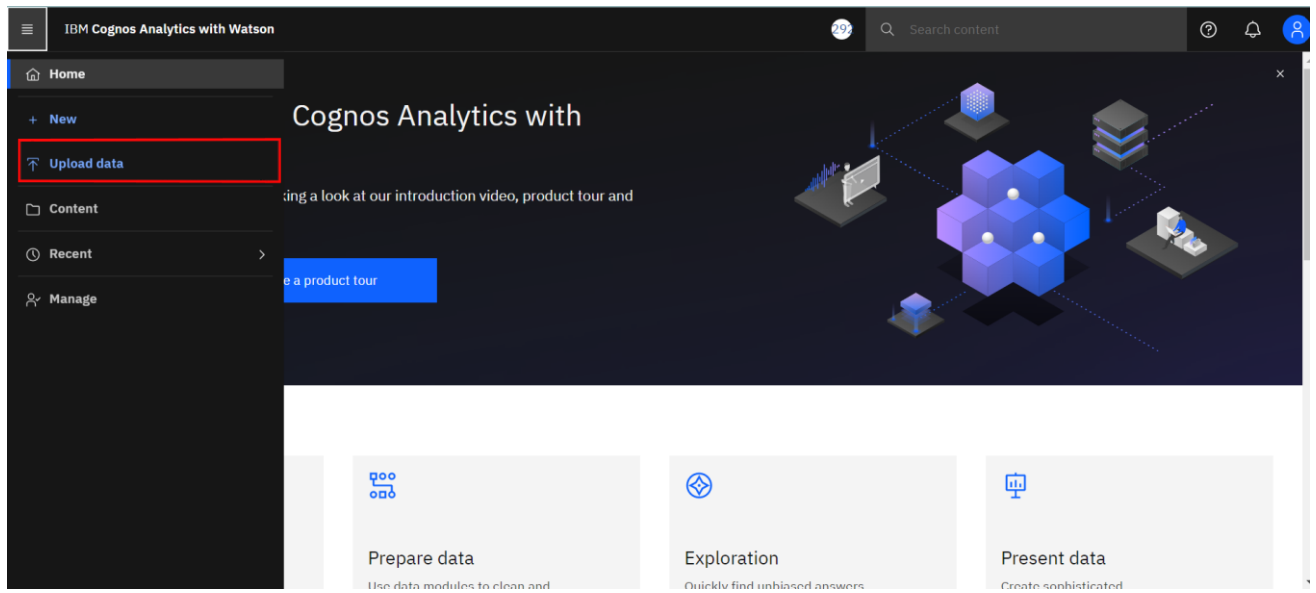
WORKING WITH THE DATASET – LOADING THE DATASET

- Before building the interactive dashboard, we should view and analyse the data then we must upload the data into IBM Cognos after understanding it.
- Cognos is the most supportive tool for this task, it can connect wide variety of data that is stored in variety of places .
- This data might be stored in system storage , drive as txt file, csv file and other files , or in big data , relational or cube database on server in an enterprise.
- For better understanding we can go through the demo video given by IBM.

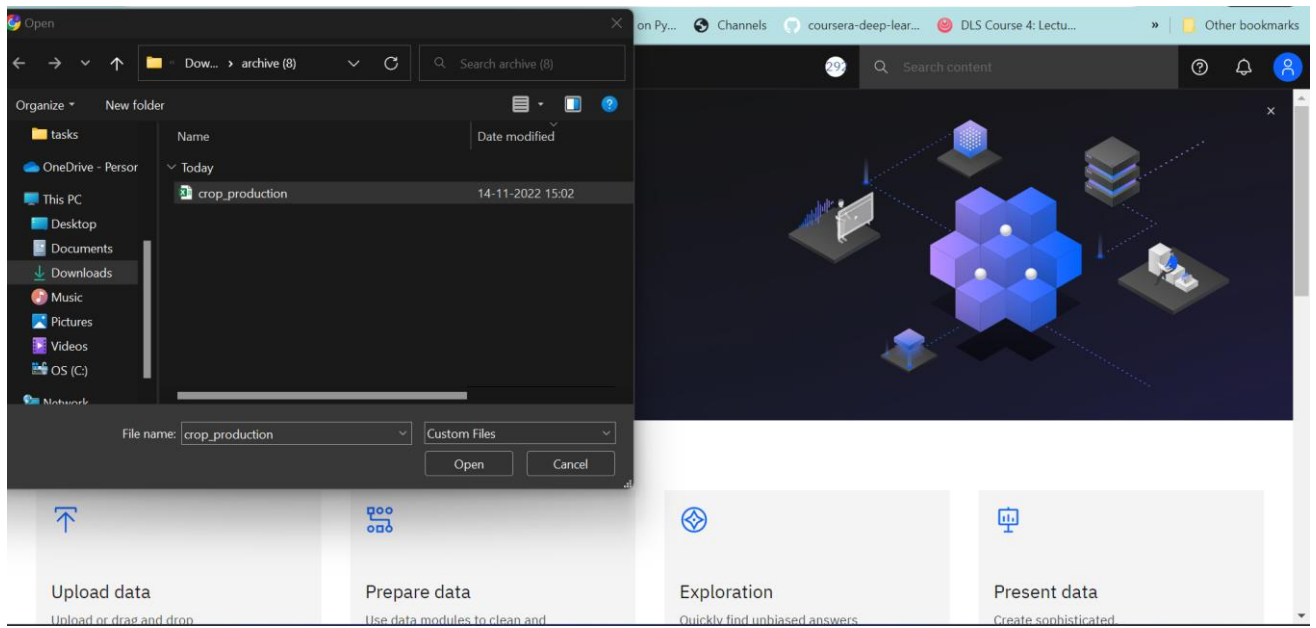
Step 1: Login to IBM Cognos Analytics Platform



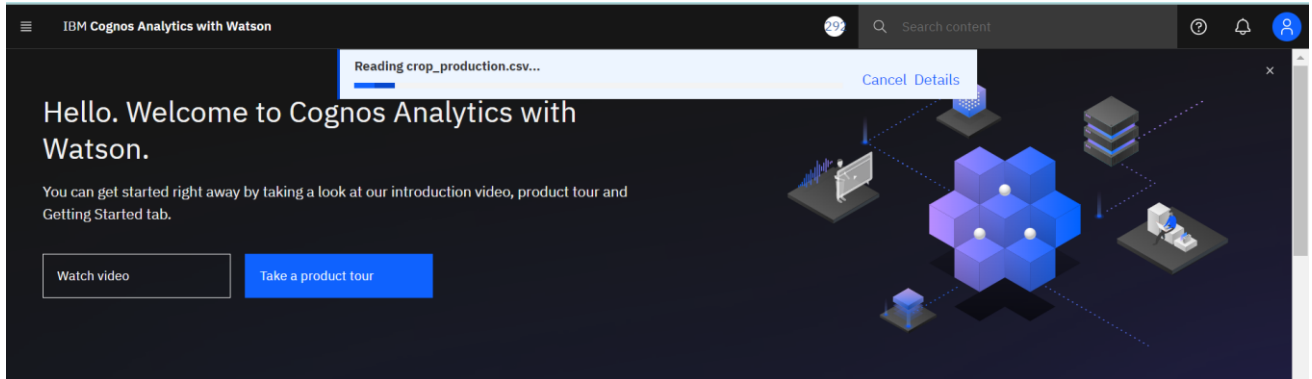
Step 2: Go to Menu icon and select Upload Data



Step 3: Select the Dataset



Step 4: Click on open and wait to upload the data



The screenshot shows the IBM Cognos Analytics with Watson welcome screen. At the top, a notification bar indicates 'Reading crop_production.csv...' with 'Cancel' and 'Details' buttons. The main area features a welcome message: 'Hello. Welcome to Cognos Analytics with Watson.' Below this, it says 'You can get started right away by taking a look at our introduction video, product tour and Getting Started tab.' There are two buttons: 'Watch video' and 'Take a product tour'. To the right is a 3D graphic of blue cubes. Below the main area is a 'Quick launch' section with four tiles: 'Upload data' (with an upload icon), 'Prepare data' (with a data module icon), 'Exploration' (with a magnifying glass icon), and 'Present data' (with a presentation icon). Each tile has a brief description below it.

Reading crop_production.csv... Cancel Details

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

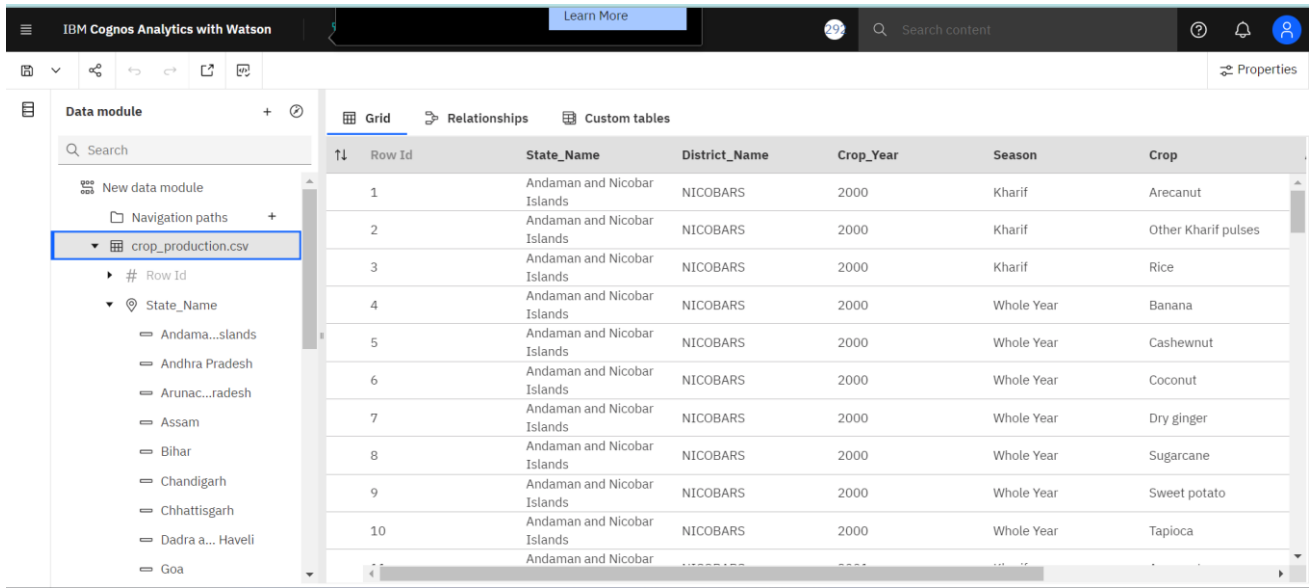
Upload data
Upload or drag and drop

Prepare data
Use data modules to clean and

Exploration
Quickly find unbiased answers

Present data
Create sophisticated

Step 5: Data Module Creation



The screenshot shows the IBM Cognos Analytics Data Module Creation screen. The top navigation bar includes 'IBM Cognos Analytics with Watson', a 'Learn More' button, and search and user icons. Below the navigation bar is a toolbar with icons for file operations. The main area is divided into three tabs: 'Grid', 'Relationships', and 'Custom tables'. The 'Grid' tab is active, showing a table with 10 rows and 7 columns: 'Row Id', 'State_Name', 'District_Name', 'Crop_Year', 'Season', and 'Crop'. The 'Data module' panel on the left shows a search bar and a list of data modules. The 'crop_production.csv' module is selected, and its structure is visible, including 'Row Id' and 'State_Name' (with a list of Indian states). The table data is as follows:

Row Id	State_Name	District_Name	Crop_Year	Season	Crop
1	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Areca nut
2	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Other Kharif pulses
3	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Rice
4	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Banana
5	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Cashewnut
6	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Coconut
7	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Dry ginger
8	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Sugarcane
9	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Sweet potato
10	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Tapioca