

Project Development Phase

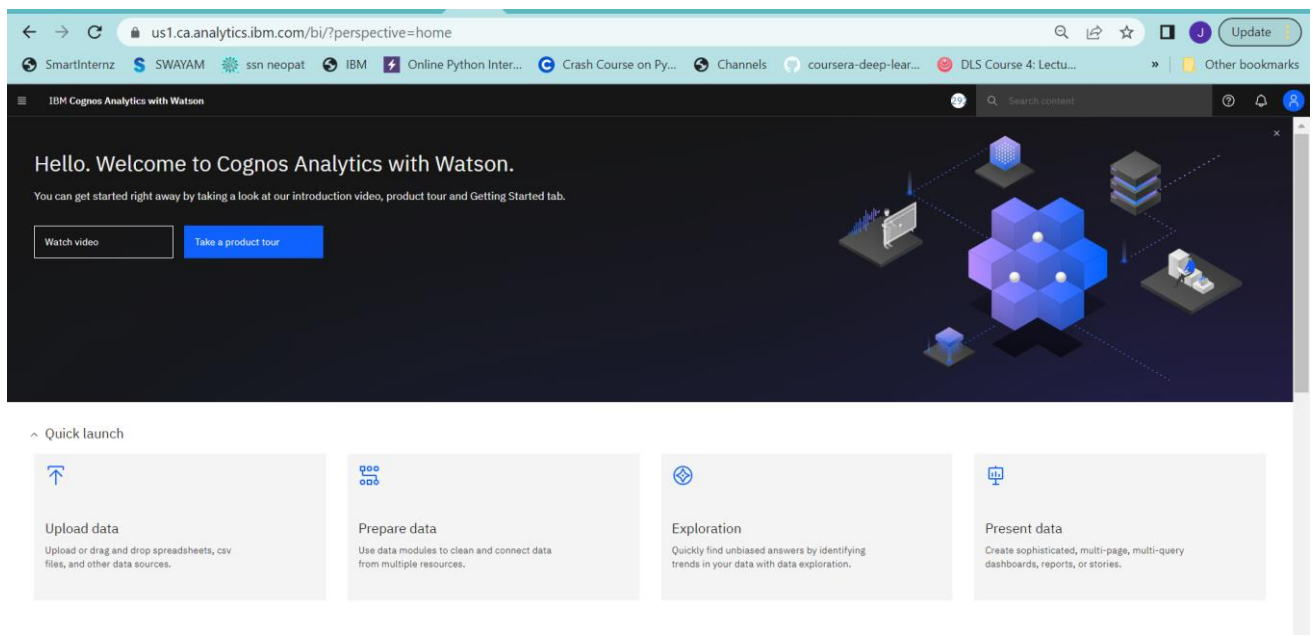
SPRINT-1

Team ID	PNT2022TMID52976
Project Name	Project – Estimate the Crop Yield using Data Analytics

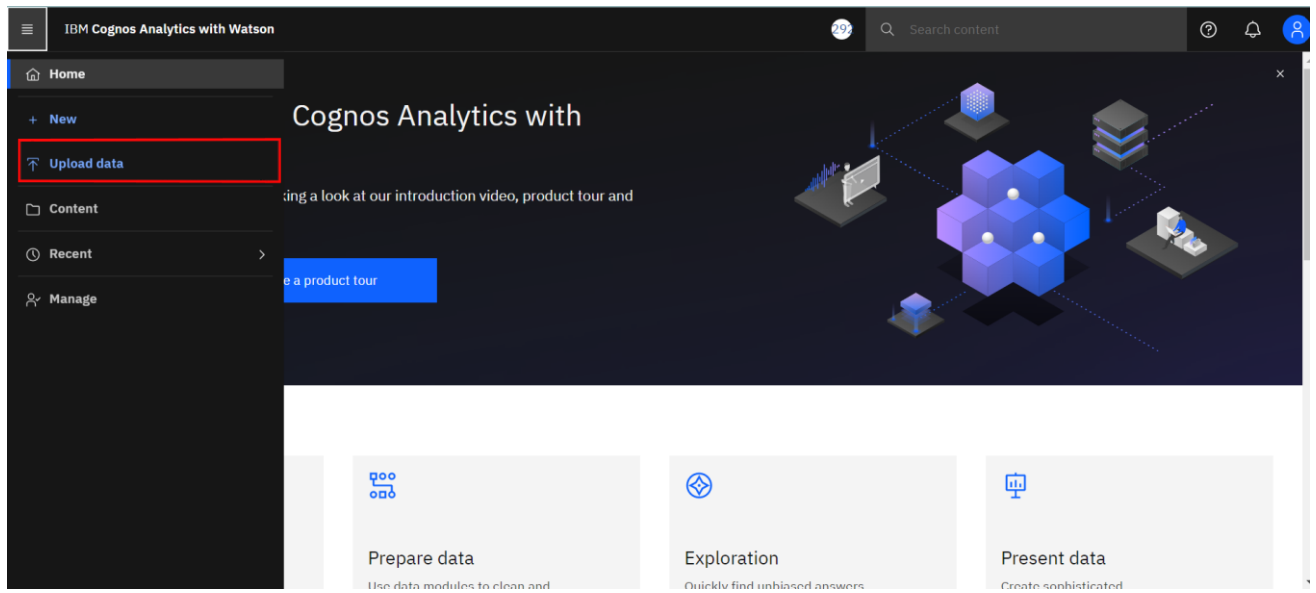
WORKING WITH THE DATASET – LOADING THE DATASET

- 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.

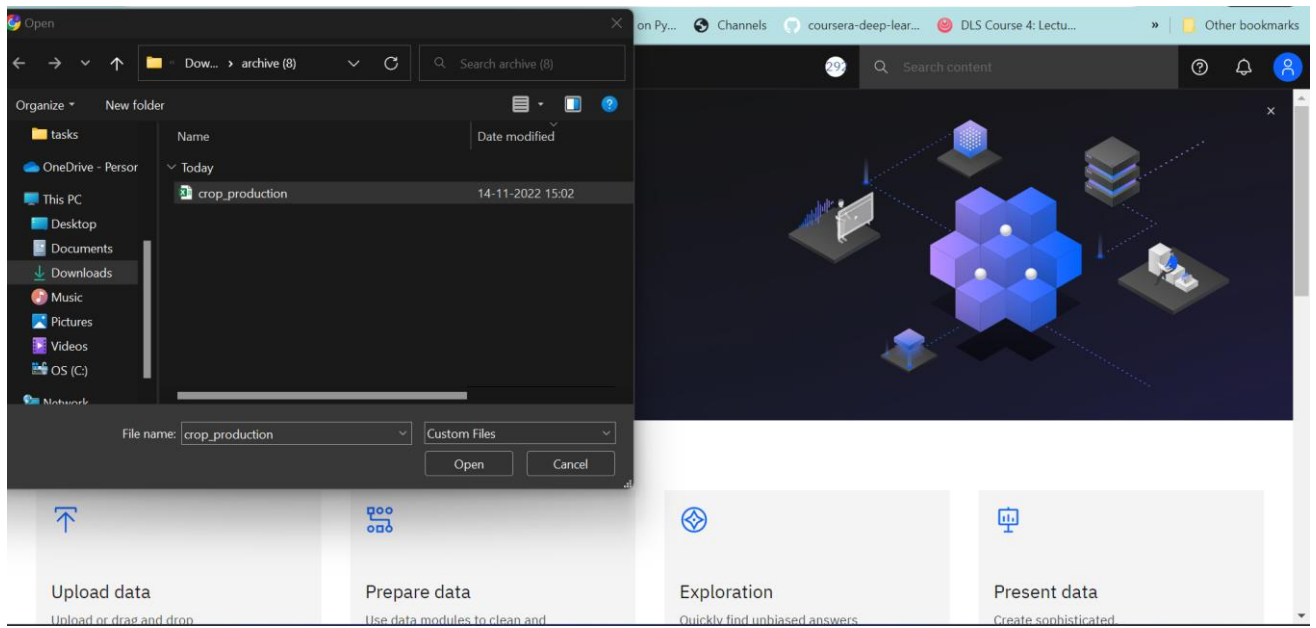
Step 1: Login to IBM Cognos Analytics Platform



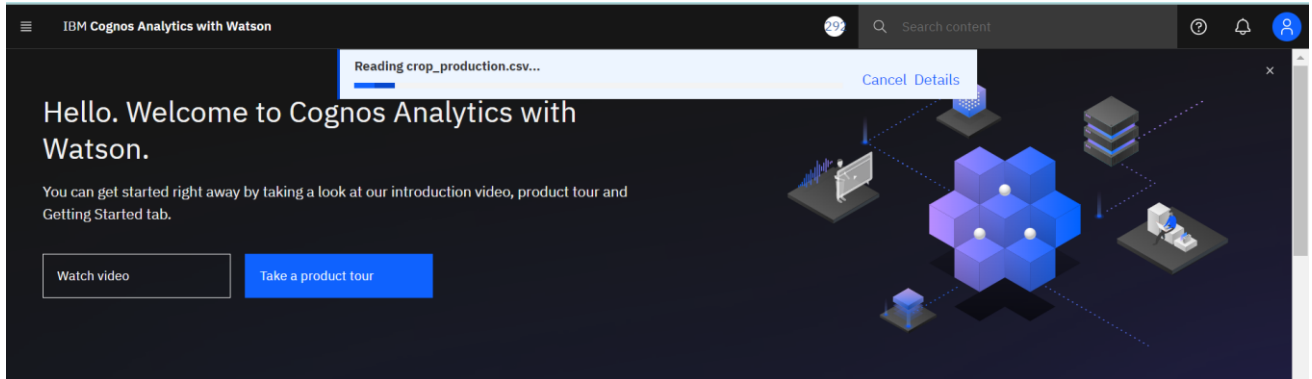
Step 2: Go to Menu icon and select Upload Data



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 content 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 isometric illustration of data cubes and servers. Below the main content 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

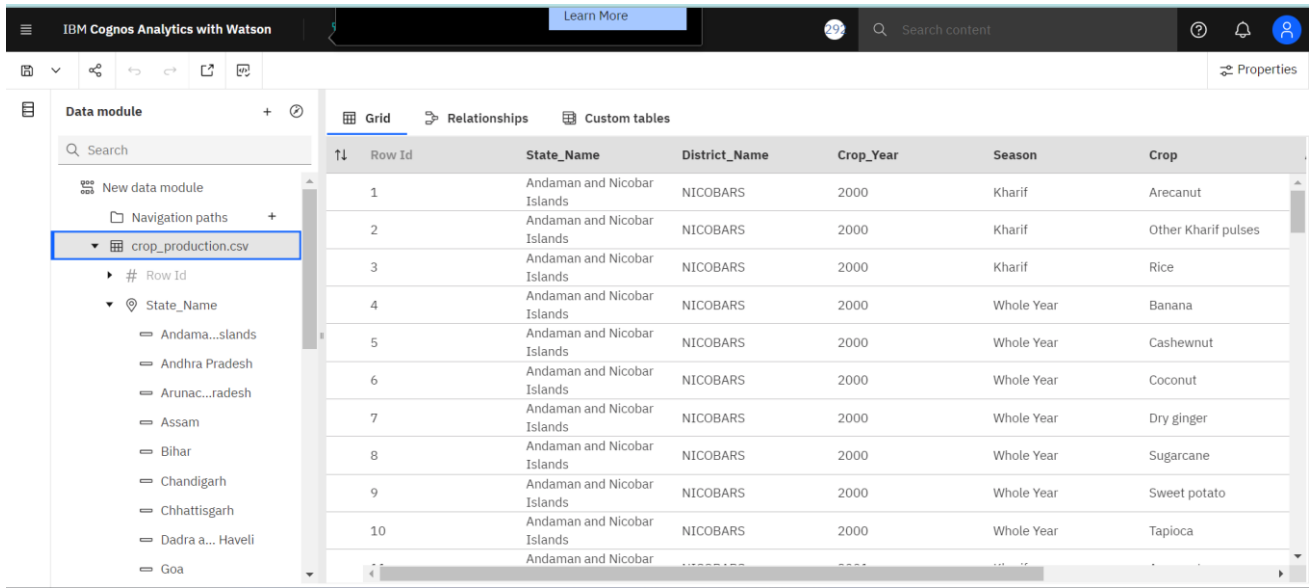
Upload data
Upload or drag and drop

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 interface. 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 a left sidebar and a central grid. The sidebar, titled 'Data module', contains a search bar and a tree view. The tree view shows 'New data module' at the top, followed by 'Navigation paths', and then 'crop_production.csv' which is expanded to show 'Row Id' and 'State_Name'. The 'State_Name' is further expanded to show a list of Indian states and union territories. The central grid displays the data from 'crop_production.csv' in a table format with columns: 'Row Id', 'State_Name', 'District_Name', 'Crop_Year', 'Season', and 'Crop'. The table contains 10 rows of data.

IBM Cognos Analytics with Watson Learn More

Search content

Properties

Data module

Search

New data module

Navigation paths

crop_production.csv

Row Id

State_Name

Andama...slands

Andhra Pradesh

Arunac...radesh

Assam

Bihar

Chandigarh

Chhattisgarh

Dadra a... Haveli

Goa

Grid Relationships Custom tables

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