

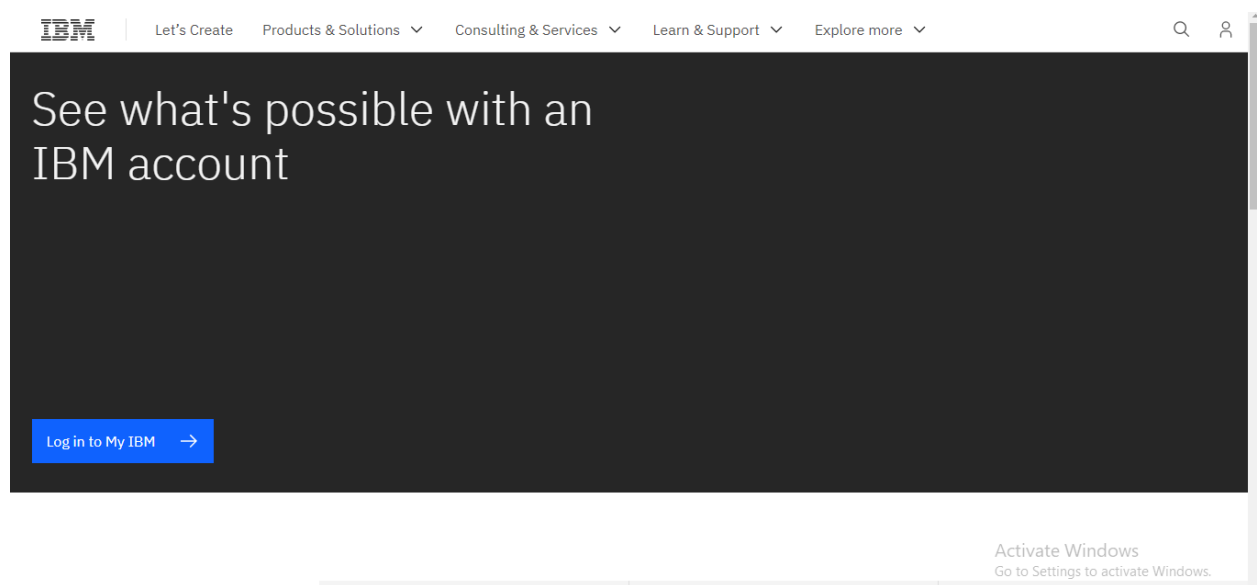
Estimate the Crop Yield using Data Analytics

Project Development Phase

Sprint Delivery I


Registration:

- The registration to the IBM cogons analytics web page for the student user.
- Register with validly Email ID.
- Enter the user name and password through the register pages.
- Enter Next button.
- Enter the Additional Information through the IBM cogons analytics.
- Finally verify the Email.
- Thus the IBM cogons account is registered.



Login page:

- After complete the registration process and click login page.
- Enter the registration email ID on the login page and then click continue.
- Enter the password and click continue.



Log in to IBM

IBMid [Forgot IBMid?](#)

☒ Remember me ⓘ

Continue

→

Don't have an account? [Create an IBMid](#)

Need help? [Contact the IBMid help desk](#)

Activate Windows

Go to Settings to activate Windows.

Powered by IBM Security Verify

Contact

Privacy

Terms of use

Accessibility

Cookie preferences

Home page:

- After complete and then click launch button.
- Then the particular page will be display.

IBM Cognos Analytics with Watson

91

Search content

?

🔔

👤

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

Dismiss

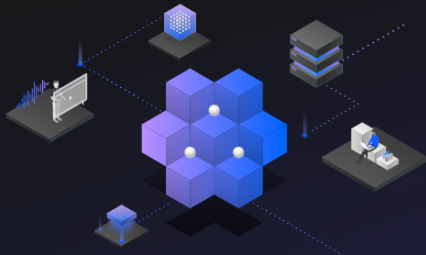
More info →

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



Prepare data



Exploration



Activate Windows

Go to Settings to activate Windows.

Present data

Working with 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.

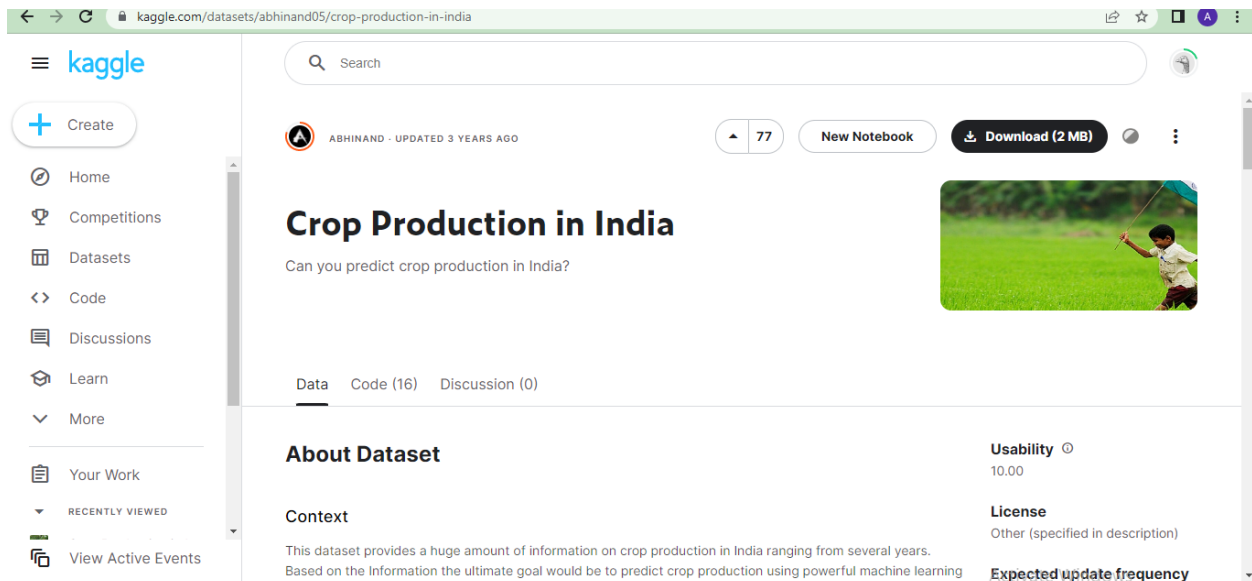
Dataset Link : [Dataset](#)

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

- 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.

Downloading the dataset:

- Click on the given dataset.
- Thus opens the below dataset window.



The screenshot shows the Kaggle dataset page for 'Crop Production in India'. The page is titled 'Crop Production in India' and includes a subtitle 'Can you predict crop production in India?'. The dataset is by 'ABHINAND' and was updated 3 years ago. It has 77 votes and a 'Download (2 MB)' button. The page is divided into sections: 'About Dataset', 'Context', 'Usability' (10.00), 'License' (Other (specified in description)), and 'Expected update frequency'. The 'Context' section states: 'This dataset provides a huge amount of information on crop production in India ranging from several years. Based on the Information the ultimate goal would be to predict crop production using powerful machine learning'. The left sidebar shows the Kaggle navigation menu with options like Home, Competitions, Datasets, Code, Discussions, Learn, More, Your Work, and View Active Events.

- Scroll on the bottom of the window and click on the download option provided.

The screenshot displays the Kaggle dataset page for 'Crop Production in India'. The page features a search bar at the top, a navigation menu on the left, and a 'Download (2 MB)' button. The dataset details section shows the file name 'crop_production.csv' (15.32 MB) and a 'Download' button. Below this, there is a table with columns: State_Name, District_Name, Crop_Year, Season, and Crop_Type. The table snippet shows data for Uttar Pradesh and Madhya Pradesh.

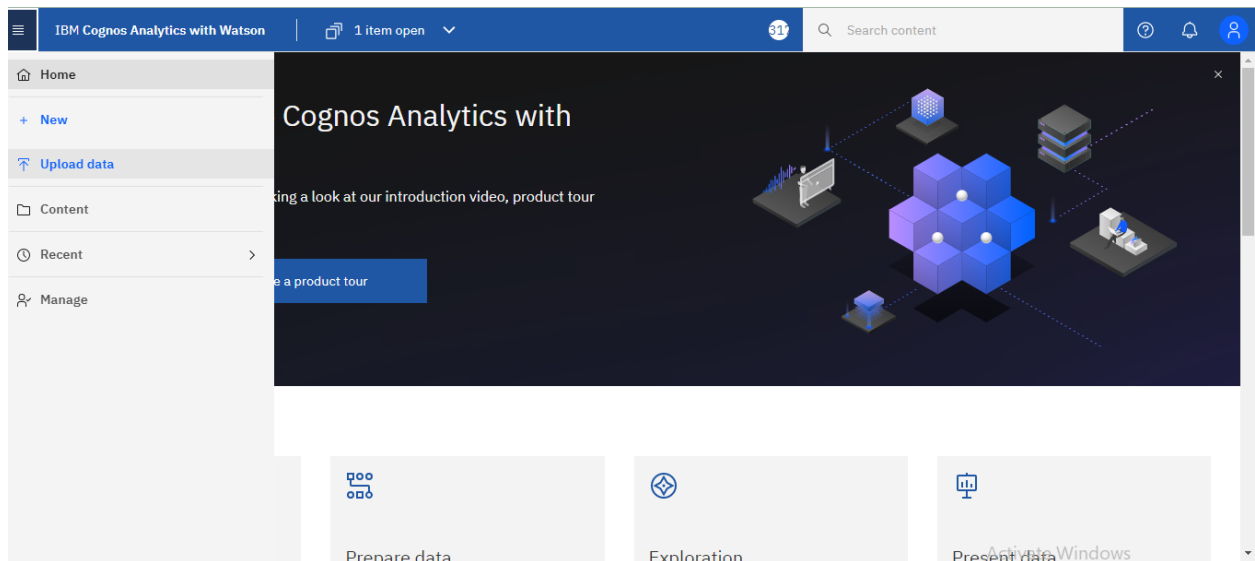
State_Name	District_Name	Crop_Year	Season	Crop_Type
Uttar Pradesh			Kharif	Rice
Madhya Pradesh			Rabi	Maize

- Thus the dataset is downloaded.

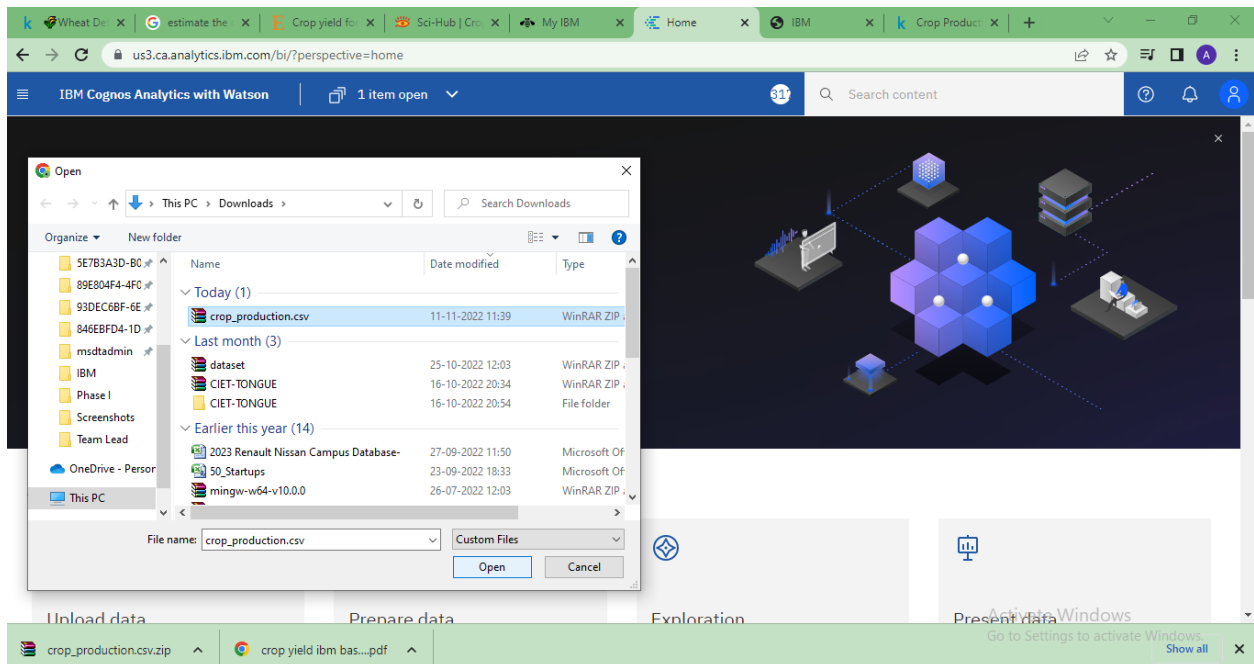
Loading the Dataset:

Before we can build a view and analyze our data, we 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 our computer in a spreadsheet or a text file, or in a big data, relational, or cube (multidimensional) database on a server in our enterprise.

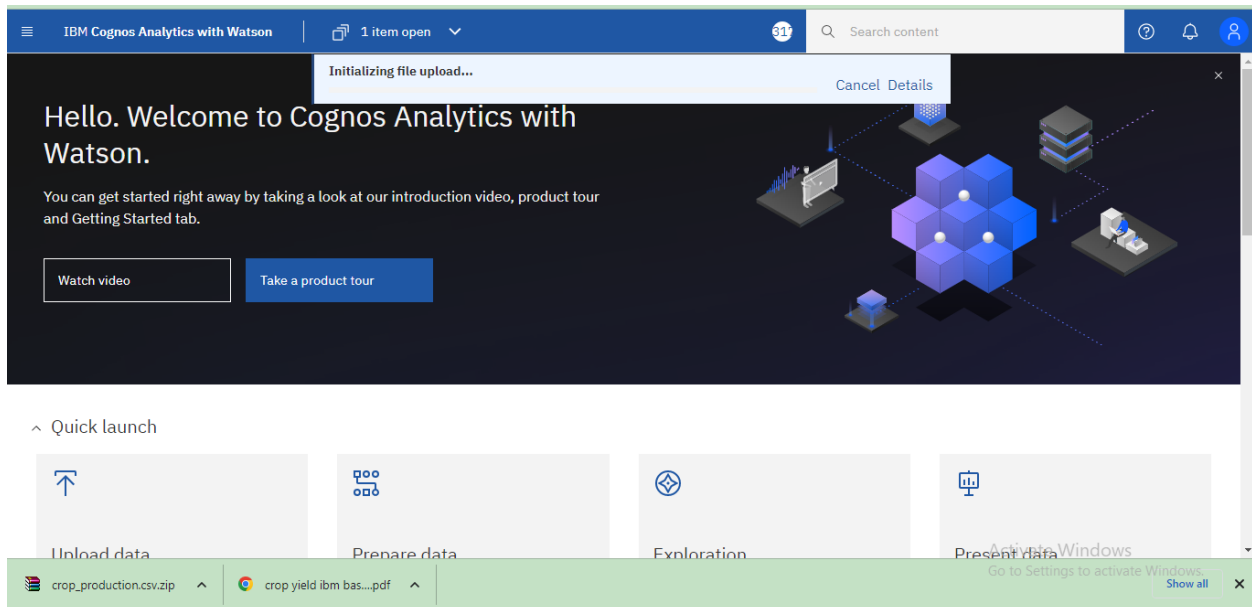
- Click on the menu icon in the left corner of the window.
- Therefore opens the menu.
- Click on the upload option from the menu.



- Upload the dataset from the file.



- Thus the dataset initialized to upload.



- After initialization completed the dataset is uploaded successfully.

