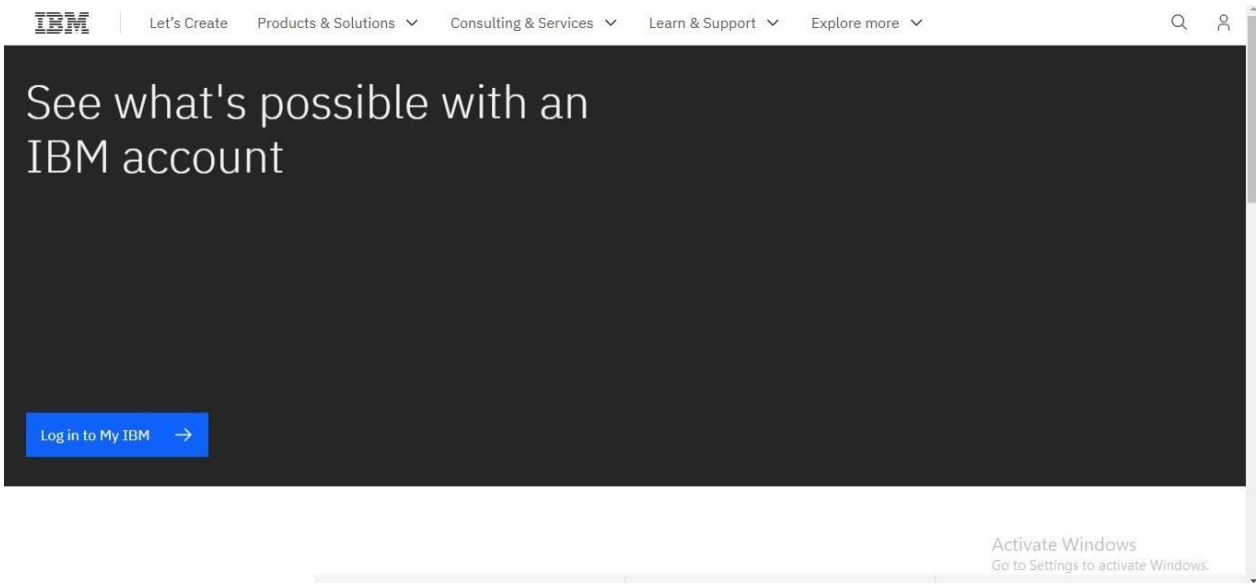
Estimate the Crop Yield using Data Analytics

Project Development Phase

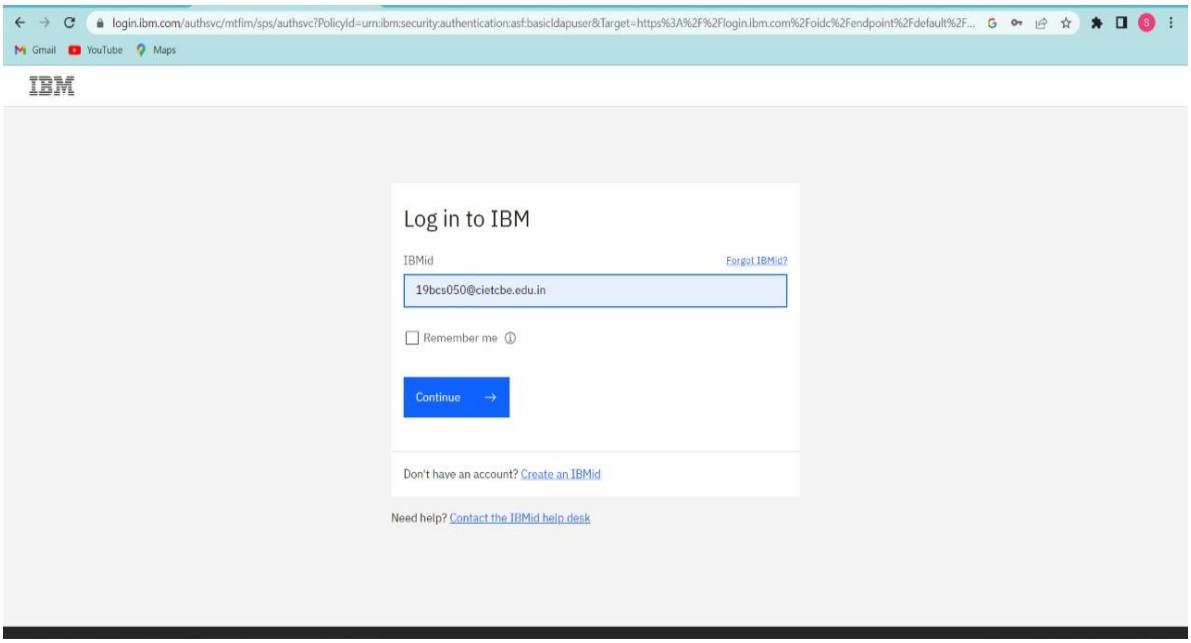
Registration:

- 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.



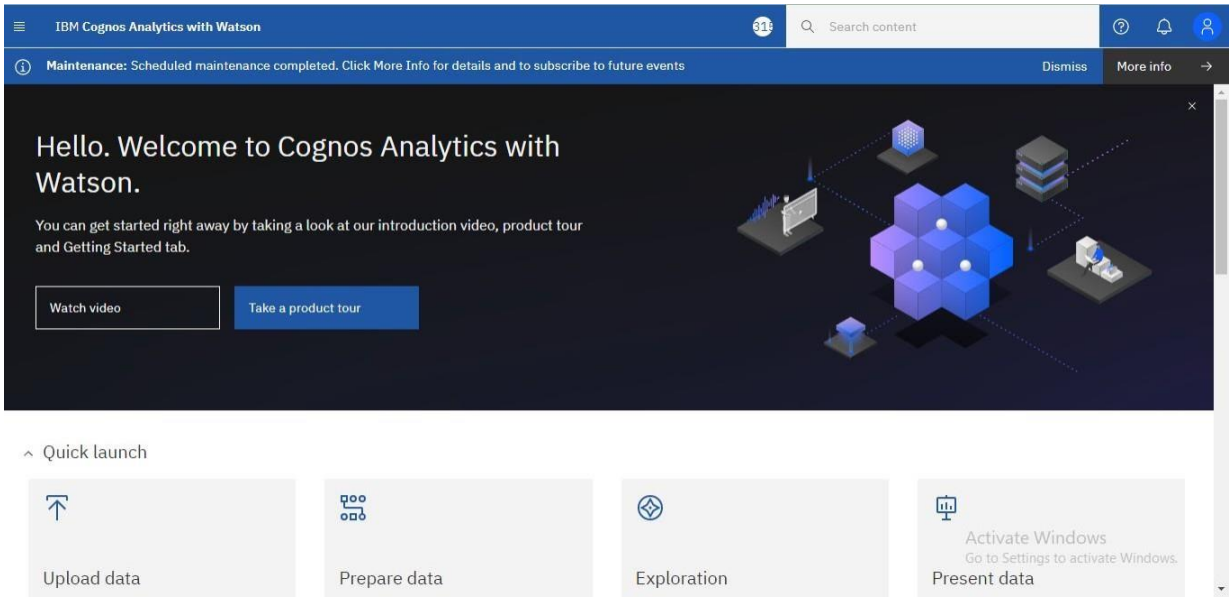
Login page:

- 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.



Home page:

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



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.

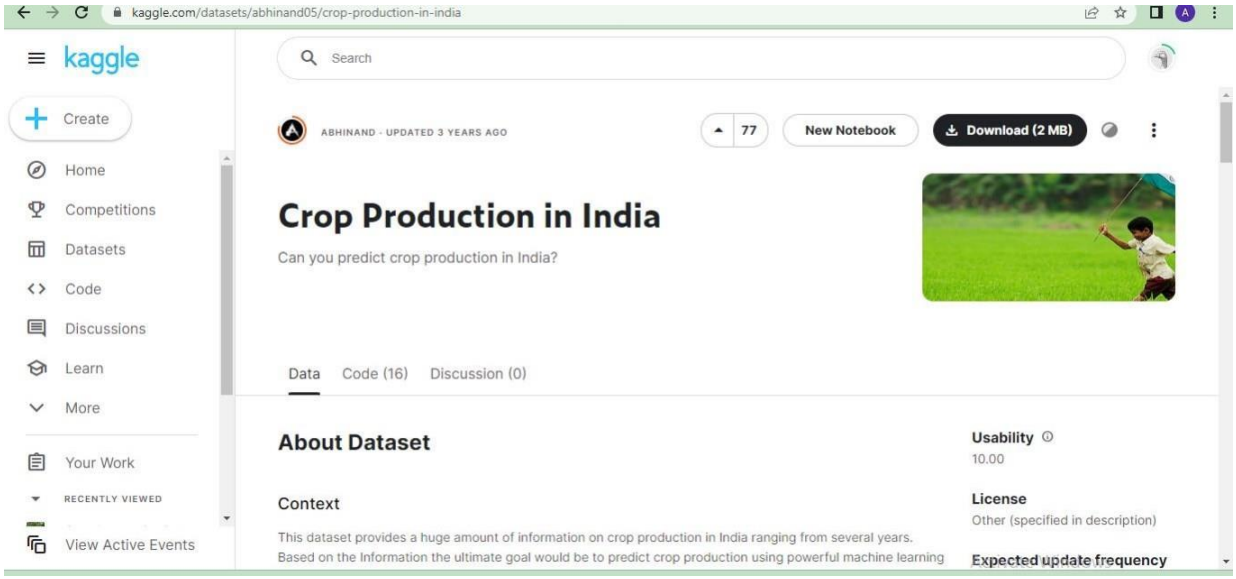
Dataset Link : Dataset

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

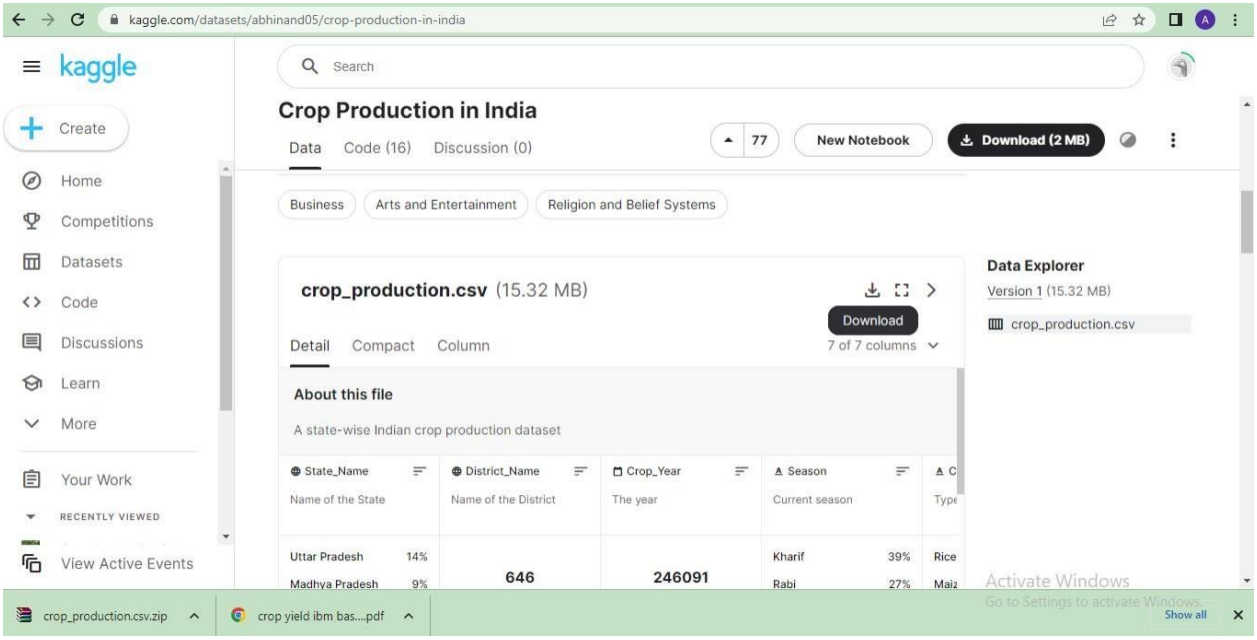
- State Name - All the Indian State names.
- District Name -Different District names.
- Crop Year- contains the crop years.
- Season – Different seasons for crop production.
- Area- Total number of areas covered.
- Production- production of crops.

Downloading the dataset:

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



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

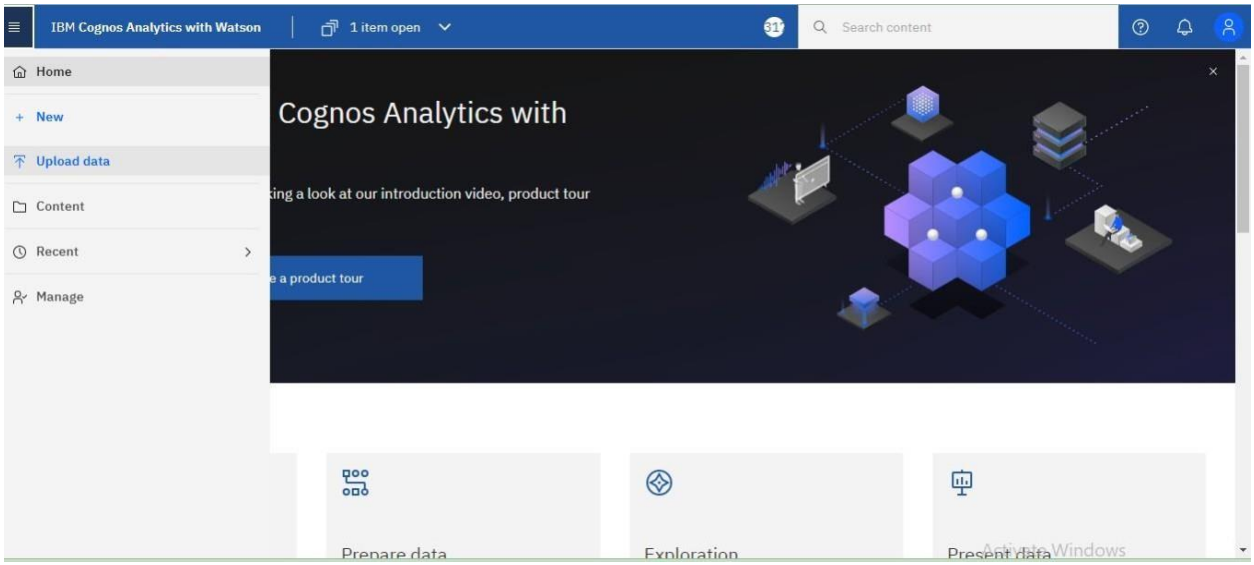


- Thus the dataset is downloaded.

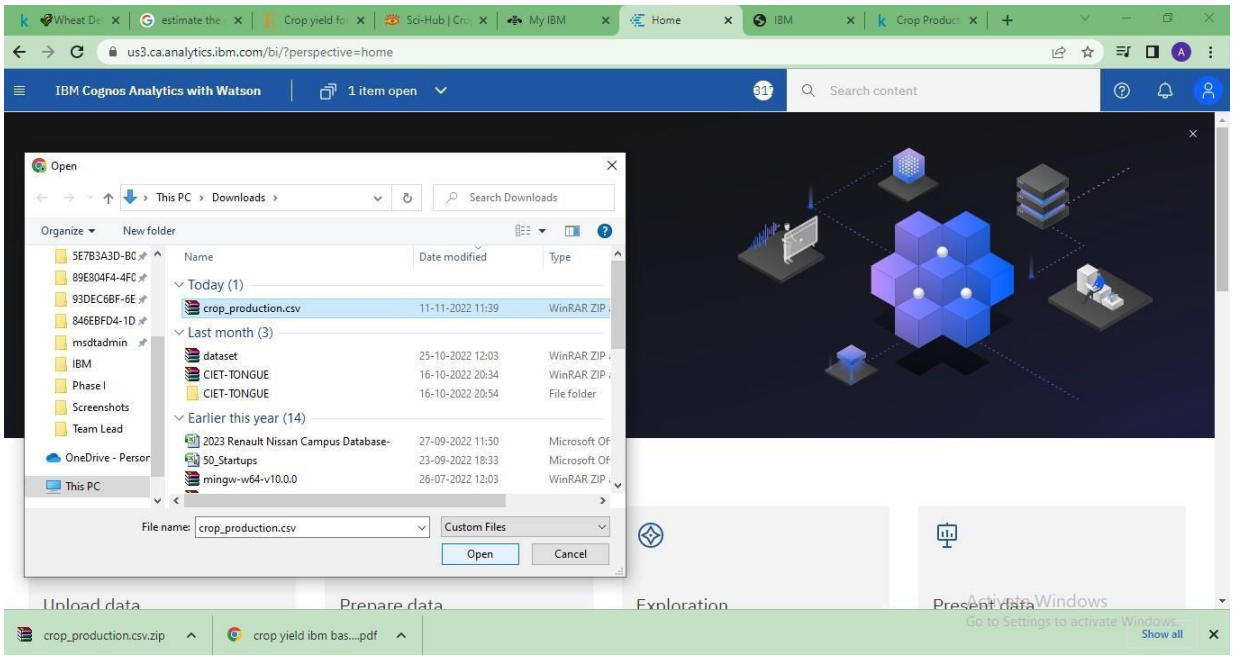
Loading the Dataset:

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.

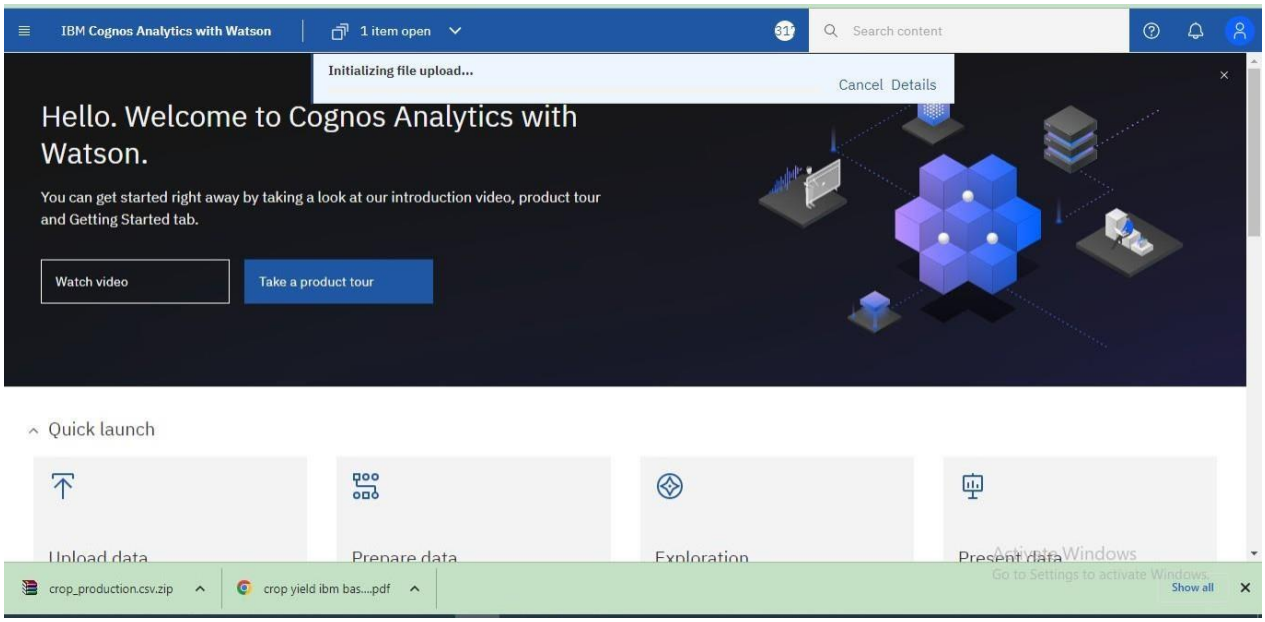
- Click on the menu icon in the left corner of the window.
- Therefore opens the menu.
- Click on the upload option from the menu.



- Upload the dataset from the file.



- Thus the dataset inialized to upload.



- After initialization completed the dataset is uploaded successfully.