

# Project Development - Delivery Of Sprint-1

<b>Date</b>	8 November 2022
<b>Team ID</b>	PNT2022TMID42779
<b>Project Name</b>	Estimate The Crop Yield Using Data Analytics

## Registration:

- Registration to the IBM COGONS ANALYTICS web page for the student user.
- Register with validly Email ID and then enter the user name and password through the register pages.
- Then enter Next button
- Enter the Additional Information through the IBM COGONS ANALYTICS
- Finally verify the Email.

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1. Account information [AutoFill with LinkedIn](#)

E-mail ⓘ  
vijay06012000@gmail.com  
Your email address will become your IBMid, which you'll use to log into IBM.com.

First name  
Vijay

Last name  
Vijay

Password  
\*\*\*\*\*

Country or region of residence  
India

State or province  
Tamil Nadu

Country or region of residence: India

State or province: Tamil Nadu

Next

2. Additional information

3. Verify email

Start today!

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9:42 AM 11/7/2022

## 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?](#)

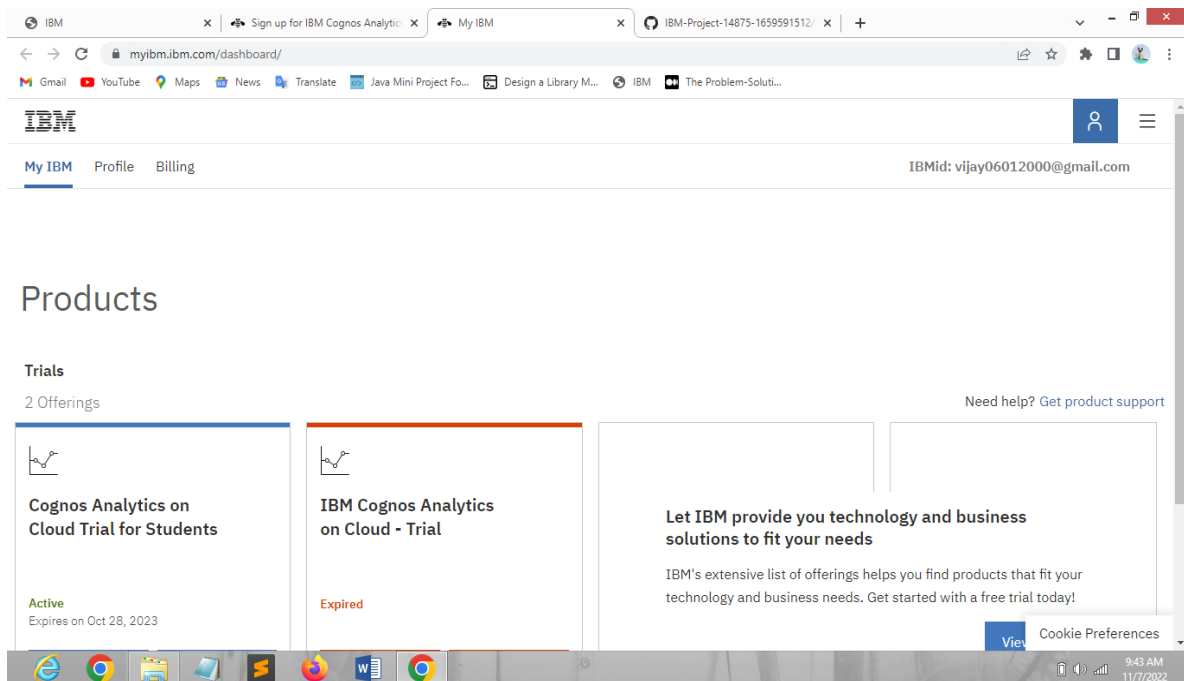
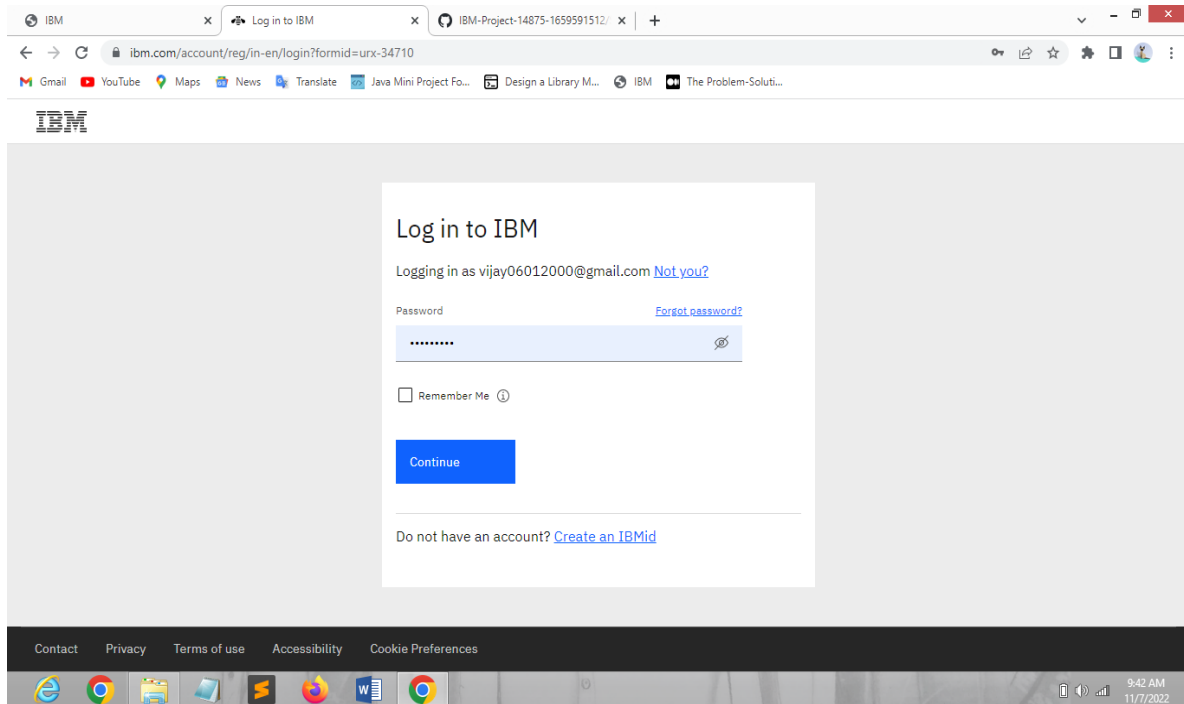
☐ Remember Me ⓘ

Continue

Do not have an account? [Create an IBMId](#)

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The screenshot shows the IBM Cognos Analytics dashboard. At the top, there are browser tabs for 'IBM', 'Sign up for IBM Cognos Analytics', 'My IBM', and 'IBM-Project-14875-1659591512'. The address bar shows 'myibm.ibm.com/dashboard/'. The main heading is 'Products'. Below it, there's a 'Trials' section with '2 Offerings'. The first offering is 'Cognos Analytics on Cloud Trial for Students', which is 'Active' and expires on Oct 28, 2023. It has 'Launch' and 'Manage' buttons. The second offering is 'IBM Cognos Analytics on Cloud - Trial', which is 'Expired' and has 'Purchase' and 'Manage' buttons. To the right, there's a section titled 'Let IBM provide you technology and business solutions to fit your needs' with a 'View catalog' button. At the bottom, there are links for 'Contact IBM', 'Privacy', 'Terms of use', and 'Accessibility', along with a language selector set to 'United States - English' and a 'Cookie Preferences' button. The Windows taskbar at the bottom shows various application icons and the system clock at 9:43 AM on 11/7/2022.

## Working with the Dataset:

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

The screenshot shows the 'Hello, Welcome to Cognos Analytics with Watson' screen. The header includes 'IBM Cognos Analytics with Watson' and a search bar. The main content area has a welcome message and two buttons: 'Watch video' and 'Take a product tour'. Below this is a 'Quick launch' section with four tiles: 'Upload data' (Upload or drag and drop spreadsheets, csv files, and other data sources), 'Prepare data' (Use data modules to clean and connect data from multiple resources), 'Exploration' (Quickly find unbiased answers by identifying trends in your data with data exploration), and 'Present data' (Create sophisticated, multi-page, multi-query dashboards, reports, or stories). The Windows taskbar at the bottom shows various application icons and the system clock at 10:23 AM on 11/7/2022.

## Understanding The 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

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

Then click the given dataset link. The dataset links shows the web page and then download the given dataset.

The dataset contains the crop production in India.

State_Name	District_N	Crop_Year	Season	Crop	Area	Production
Andaman	NICOBARS	2000	Kharif	Arecanut	1254	2000
Andaman	NICOBARS	2000	Kharif	Other Kha	2	1
Andaman	NICOBARS	2000	Kharif	Rice	102	321
Andaman	NICOBARS	2000	Whole Yei	Banana	176	641
Andaman	NICOBARS	2000	Whole Yei	Cashewnu	720	165
Andaman	NICOBARS	2000	Whole Yei	Coconut	18168	65100000
Andaman	NICOBARS	2000	Whole Yei	Dry ginger	36	100
Andaman	NICOBARS	2000	Whole Yei	Sugarcane	1	2
Andaman	NICOBARS	2000	Whole Yei	Sweet pot	5	15
Andaman	NICOBARS	2000	Whole Yei	Tapioca	40	169
Andaman	NICOBARS	2001	Kharif	Arecanut	1254	2061
Andaman	NICOBARS	2001	Kharif	Other Kha	2	1
Andaman	NICOBARS	2001	Kharif	Rice	83	300
Andaman	NICOBARS	2001	Whole Yei	Cashewnu	719	192
Andaman	NICOBARS	2001	Whole Yei	Coconut	18190	64430000
Andaman	NICOBARS	2001	Whole Yei	Dry ginger	46	100
Andaman	NICOBARS	2001	Whole Yei	Sugarcane	1	1
Andaman	NICOBARS	2001	Whole Yei	Sweet pot	11	33
Andaman	NICOBARS	2002	Kharif	Rice	189.2	510.84
Andaman	NICOBARS	2002	Whole Yei	Arecanut	1258	2083
Andaman	NICOBARS	2002	Whole Yei	Banana	213	1278
Andaman	NICOBARS	2002	Whole Yei	Black pep	63	13.5

## 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.

- First click the upload data and then click the required files.
- Then click ok button.

The screenshot shows the IBM Cognos Analytics with Watson web interface. The browser address bar displays `us1.ca.analytics.ibm.com/bi/?perspective=home`. A blue banner at the top indicates 'Maintenance: Scheduled maintenance completed. Click More Info for details'. Below the banner, a 'Quick launch' section contains four cards: 'Upload data' (selected), 'Prepare data', 'Exploration', and 'Present data'. The 'Upload data' card is active, showing a progress bar for 'Reading crop\_production.csv...' with a 'Cancel Details' button. Below the quick launch, a 'Recent' tab is selected, displaying a table of recent uploads.

Name	Location	Type	Last Accessed
estimate the crop yield production	My content	Dashboard	11/4/2022, 11:15 PM
crop_production.csv	My content	Uploaded file	11/3/2022, 4:46 AM

