

ESTIMATE THE CROP YIELD USING DATA ANALYTICS

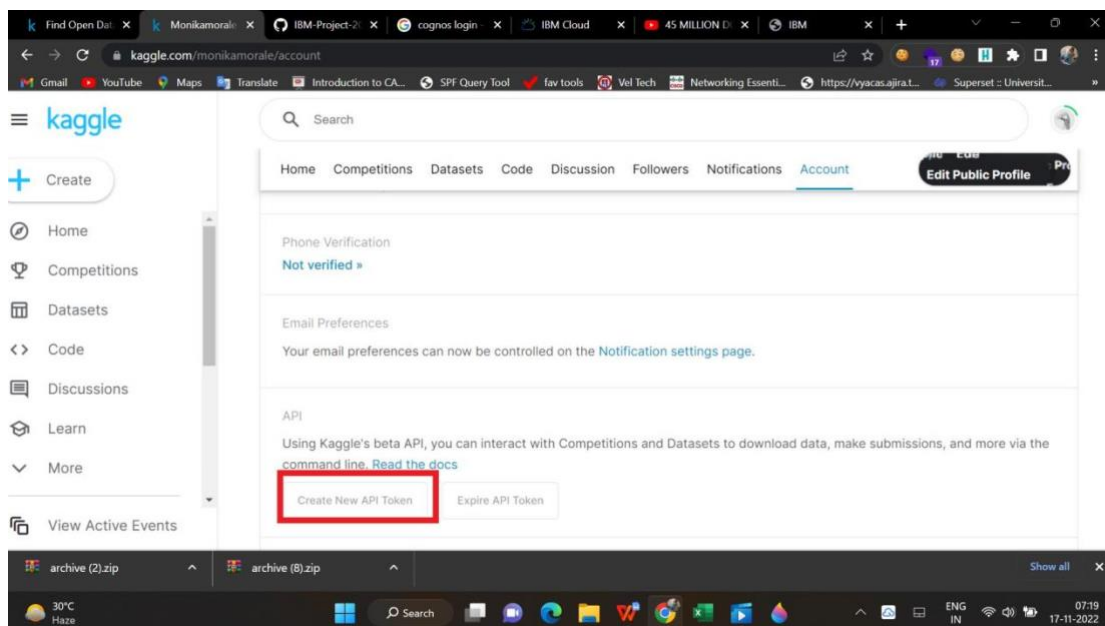
PNT2022TMID20578

SPRINT 1

Date	03 October 2022
Team ID	PNT2022TMID20578
Project Name	Estimate the crop yield using Data Analytics
Sprint 1	Work with dataset

I. Working with dataset

1. Creating a new API token



2. Downloading the data from kaggle

The screenshot shows the Kaggle dataset page for 'crop production statistics in India(1997-2014)'. The page includes a sidebar with navigation options like Home, Competitions, Datasets, Code, Discussions, Learn, and More. The main content area displays the dataset title, a search bar, and a 'Download (2 MB)' button. Below this, there is a table with columns: State_Name, District_Name, # Crop_Year, and Season. The table shows data for Uttar Pradesh (14%), Madhya Pradesh (9%), and Other (189842) (77%). A bar chart shows the distribution of crop years from 1997 to 2015. The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 07:13 on 17-11-2022.

State_Name	District_Name	# Crop_Year	Season
Uttar Pradesh	14%	646 unique values	Kharif
Madhya Pradesh	9%		Rabi
Other (189842)	77%		Other (83153)
Andaman and Nicobar Islands	NICOBARS	2000	Kharif
Andaman and Nicobar Islands	NICOBARS	2000	Kharif
Andaman and Nicobar Islands	NICOBARS	2000	Kharif
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year

3. The downloaded content is extracted in the form of zip folder using google colab

The screenshot shows a Google Colaboratory notebook interface. The left sidebar displays the file explorer with a folder named 'sample_data' containing files like 'crop_production.csv', 'estimation-of-crop-produ...', and 'kaggle.json'. The main area shows a code cell with the following commands:

```
mkdir: cannot create directory '/root/.kaggle': File exists
[5] !cp kaggle.json ~/.kaggle/
[6] !kaggle datasets download -d monikamurale/estimation-of-crop-production

Warning: Your Kaggle API key is readable by other users on this system! To fix this, you can run 'chmod 600 /root/.kaggle.json'
Downloading estimation-of-crop-production.zip to /content
0% 0.00/1.96M [00:00<?, ?B/s]
100% 1.96M/1.96M [00:00<00, 113MB/s]

!unzip /content/estimation-of-crop-production.zip
Archive: /content/estimation-of-crop-production.zip
  inflating: crop_production.csv
```

The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 19:24 on 12-11-2022.

4. The dataset is downloaded

