

Project Development Phase Sprint – 2

Date	5 November 2022
Team ID	PNT2022TMID13569
Project Name	Project - Estimate The Crop Yields by using Data Analytics

Working with the dataset:

1. Understanding the dataset:

State_Name	District_Name	Crop_Year	Season	Crop	Area	Production
Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Arecanut	1254	2000
Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Other Kharif pulses	2	1
Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Rice	102	321
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Banana	176	641
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Cashewnut	720	165
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Coconut	18168	65100000
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Dry ginger	36	100
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Sugarcane	1	2
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Sweet potato	5	15
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Tapioca	40	169
Andaman and Nicobar Islands	NICOBARS	2001	Kharif	Arecanut	1254	2061
Andaman and Nicobar Islands	NICOBARS	2001	Kharif	Other Kharif pulses	2	1
Andaman and Nicobar Islands	NICOBARS	2001	Kharif	Rice	83	300
Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Cashewnut	719	192
Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Coconut	18190	64430000
Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Dry ginger	46	100
Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Sugarcane	1	1
Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Sweet potato	11	33
Andaman and Nicobar Islands	NICOBARS	2002	Kharif	Rice	189.2	510.84
Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Arecanut	1258	2083
Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Banana	213	1278
Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Black pepper	63	13.5

This dataset is based on a understanding the crop production of India . It has 2,46,092 data points (rows) and 6 features (columns) describing each crop production related details.

6 features:

- 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

Loading the dataset: (in the cognos platform)

The screenshot displays the IBM Cognos Analytics with Watson web interface. The browser's address bar shows the URL <https://us1.ca.analytics.ibm.com/bi/?perspective=home>. A green notification banner at the top states "crop_production.csv was uploaded successfully." with a "Hide Details" link. Below the banner, the "Quick launch" section offers four main actions: "Upload data" (with an icon of an arrow pointing up), "Prepare data" (with an icon of a cube), "Exploration" (with an icon of a magnifying glass), and "Present data" (with an icon of a presentation screen). Each action has a brief description. At the bottom, the "Get started" tab is selected, showing the heading "Get up and running in IBM Cognos Analytics". The Windows taskbar at the bottom indicates the system time as 2:05 PM on 11/10/2022, with a weather forecast of 32°C Mostly sunny.