

## Sprint – 1

### Understanding The Dataset

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Team ID	PNT2022TMID14659
Project Name	Estimate the crop yield using Data Analytics

#### Understanding The Dataset:

This project 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.

**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.

The data format is as shown in the below image:

State_Name	District_Name	Crop_Year	Season	Crop	Area
Name of the State	Name of the District	The year	Current season	Type of crop	Are field
Uttar Pradesh 14%	646 unique values	246091 total values	Kharif 39%	Rice 6%	
Madhya Pradesh 9%			Rabi 27%	Maize 6%	
Other (189842) 77%			Other (83153) 34%	Other (217040) 88%	0.0
Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Arecanut	125
Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Other Kharif pulses	2.8
Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Rice	182