

SPRINT – 1

WORKING WITH THE DATASET(UNDERSTANDING THE DATASET)

Date	19 November 2022
Team ID	PNT2022TMID03323
Project Name	Estimate The Crop Yield Using Data Analytics

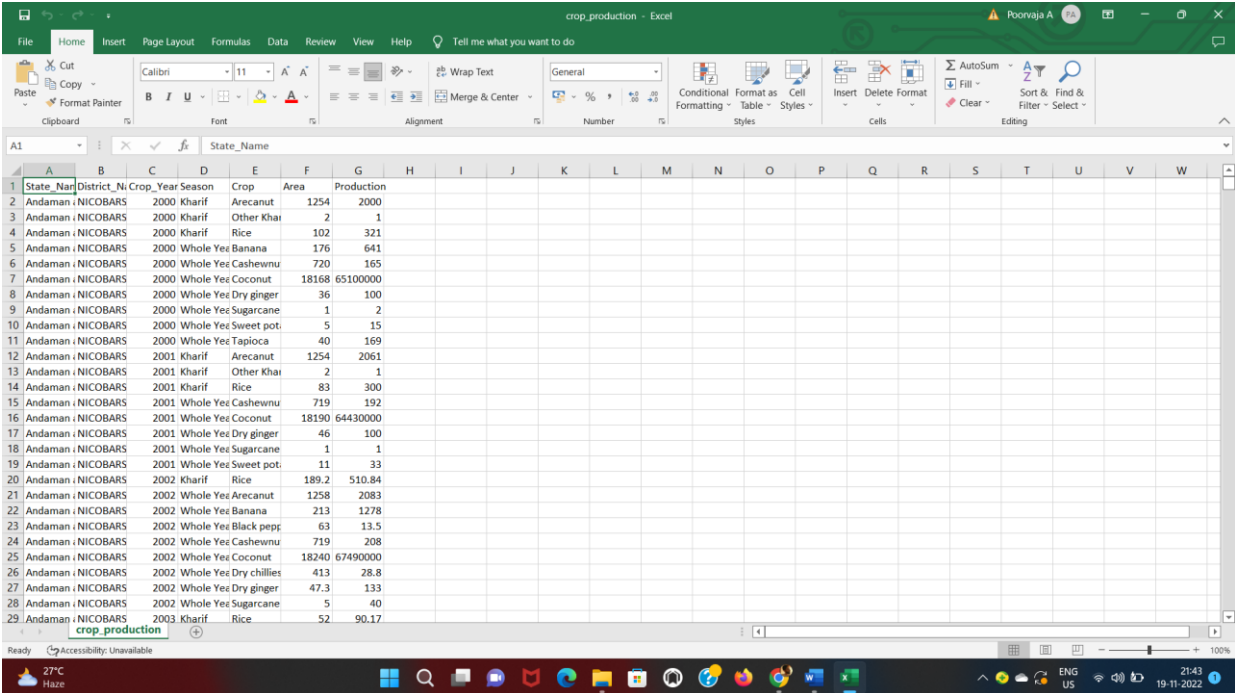
“Estimate The Crop Yield Using Data Analytics” project is based on understanding the crop production of India. Download the dataset from the below link.

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.

UNDERSTAND THE DATASET:

- Download the dataset.
- Data Given in csv file is understood.
- The data format is as shown in the below image:



State	District	Crop	Year	Season	Area	Production
Andaman	NICOBARS	Areca nut	2000	Kharif	1254	2000
Andaman	NICOBARS	Other Kharif	2000	Kharif	2	1
Andaman	NICOBARS	Rice	2000	Kharif	102	321
Andaman	NICOBARS	Banana	2000	Whole Year	176	641
Andaman	NICOBARS	Cashew nut	2000	Whole Year	720	165
Andaman	NICOBARS	Coconut	2000	Whole Year	18168	65100000
Andaman	NICOBARS	Dry ginger	2000	Whole Year	36	100
Andaman	NICOBARS	Sugarcane	2000	Whole Year	1	2
Andaman	NICOBARS	Sweet potato	2000	Whole Year	5	15
Andaman	NICOBARS	Tapioca	2000	Whole Year	40	169
Andaman	NICOBARS	Areca nut	2001	Kharif	1254	2061
Andaman	NICOBARS	Other Kharif	2001	Kharif	2	1
Andaman	NICOBARS	Rice	2001	Kharif	83	300
Andaman	NICOBARS	Cashew nut	2001	Whole Year	719	192
Andaman	NICOBARS	Coconut	2001	Whole Year	18190	64430000
Andaman	NICOBARS	Dry ginger	2001	Whole Year	46	100
Andaman	NICOBARS	Sugarcane	2001	Whole Year	1	1
Andaman	NICOBARS	Sweet potato	2001	Whole Year	11	33
Andaman	NICOBARS	Rice	2002	Kharif	189.2	510.84
Andaman	NICOBARS	Areca nut	2002	Whole Year	1258	2083
Andaman	NICOBARS	Banana	2002	Whole Year	213	1278
Andaman	NICOBARS	Black pepper	2002	Whole Year	63	13.5
Andaman	NICOBARS	Cashew nut	2002	Whole Year	719	208
Andaman	NICOBARS	Coconut	2002	Whole Year	18240	67490000
Andaman	NICOBARS	Chillies	2002	Whole Year	413	28.8
Andaman	NICOBARS	Dry ginger	2002	Whole Year	47.3	133
Andaman	NICOBARS	Sugarcane	2002	Whole Year	5	40
Andaman	NICOBARS	Rice	2003	Kharif	52	90.17