

SPRINT-1

| | |
|--------------|--|
| Date | 7 November 2022 |
| Team ID | PNT2022TMID51001 |
| Project Name | Estimate The Crop Yield Using Data Analytics |

UNDERSTANDING THE DATASET :

The dataset provided provides a huge amount of information on crop production in India ranging from several years. Based on the Information the ultimate goal would be to predict crop production using powerful machine learning techniques. The dataset has an understanding about the crop production in India. It has 2,46,092 data points (rows) and 6 features (columns) describing each crop production related details. The six columns the dataset consists are

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 above features enables us to gain information about various conditions. But, according to this project we are about to find the visualizations which would be suitable for Seasons With Average Productions, With Years Usage Of Area And Production, Top 10 States With Most Area, State With Crop Production, States With The Crop Production Along With Season. The dataset has to be downloaded from Kaggle.

Crop Production in India

Data

Code (15)

Discussion (0)

77

New Notebook

Download (2 MB)

crop_production.csv (15.32 MB)

Detail

Compact

Column

7 of 7 columns

About this file

A state-wise Indian crop production dataset

| State_Name | District_Name | Crop_Year | Season | Crop | # |
|-----------------------------|----------------------|---------------------|-------------------|---------------------|-----------|
| 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% | 0.0 |
| Madhya Pradesh 9% | | | Rabi 27% | Maize 6% | |
| Other (189842) 77% | | | Other (83153) 34% | Other (217040) 88% | |
| Andaman and Nicobar Islands | NICOBARS | 2000 | Kharif | Arecanut | 125 |
| Andaman and Nicobar Islands | NICOBARS | 2000 | Kharif | Other Kharif pulses | 2.0 |
| Andaman and Nicobar Islands | NICOBARS | 2000 | Kharif | Rice | 102 |