



CROP PRODUCTION ANSLYSIS |

PRESENTED BY SONIA





Welcome To Our Conservation

Crop production is the cultivation, growth, and harvesting of crops for human consumption, essential for agriculture and various industries. It involves land preparation, planting, nurturing, and harvesting.





RAW DATA- CSV FILE
TOOL- POWERBI DASHBOARD

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FEATURES TELLS IN THE DATASET



State_Name: The name of the state in India.

District_Name: The name of the district within the state.

Crop_Year: The year in which the crops were harvested.

Season: The season during which the crops were grown (e.g., Kharif, Rabi, Summer, Whole Year).

Crop: The type of crop that was cultivated.

Area: The area of land used for cultivating the specified crop.

Production: The production quantity of the crop.



- Uttar Pradesh is the state with the highest frequency (433631).
- Murshidabad is the district with the highest frequency (2423.15k).
- The range of crop years is from 1997 to 2015.
- The Kerala has highest production state (98bn)
- There are six unique seasons.
- Kharif season has the highest frequency (95951).
- wheat is the most common crop, with the highest frequency (1.33bn).
- The area of land used for cultivation varies widely, with a mean of 12002.82
- The minimum area is 0.04, and the maximum area is 8580100.0
- The minimum production is 0, and the maximum production is 1250800000.0

Our CONCLUSION



from univariable analysis:



Percentage



Uttar Pradesh is the most frequently occurred state in the dataset, followed by Madhya Pradesh and Karnataka.

Chandigarh is the lowest frequently occurred states, in the dataset, followed by Andaman and Nicobar Islands, and Goa.

BLJAPUR is the most frequently occurred district in the dataset, followed by TUMKUR and BELGAUM.

NAMSAI and MUMBAI is the lowest frequently occurred district in the dataset, followed by RAMGARH,KHUNTI and HYDERABAD.

The most frequent years for crop harvesting activities are 2003, 2002, 2008, 2007, and 2006. From 2000 to 2013, there was a consistent high number of harvesting activities. However, in 2015, the count decreased significantly, possibly due to incomplete data or a genuine decrease in agricultural activities. Kharif is the most frequent season, followed by Rabi and Whole Year, indicating significant crop cultivation. Summer, Winter, and Autumn have lower occurrences.

Rice is the most frequently cultivated crop, followed by maize, moose, urad. These crops contribute significantly to agricultural practices.

Other Dry Fruit has less occurrence followed by Peach,Apple, Coffee.

CROP PRODUCTION ANALYSIS

Distinct Crop_year

19

Max of Production

1.97M

Count of Crop

1

Sum of Area

470.71M

Crop

Apple

Arcanut (Proce...)

District_Name

24 PARAGANAS N...
24 PARAGANAS S...

ADILABAD

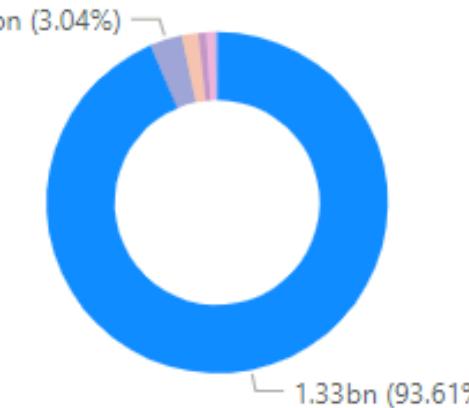
AGAR MALWA

AGRA

Top 5 Area by District_Name

MURSHIDABAD	2119.60K
NADIA	870.55K
GULBARGA	354.65K
BARMER	205.27K
MEDINIPUR W...	163.74K
AHMEDNAGAR	1574.31K
ANANTAPUR	4.43K
AURANGABAD	1808.20K

Sum of Production by Crop



Season

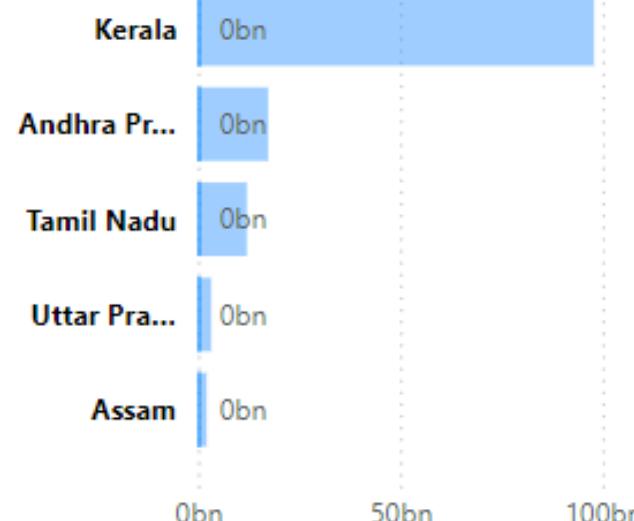
Autumn

Kharif

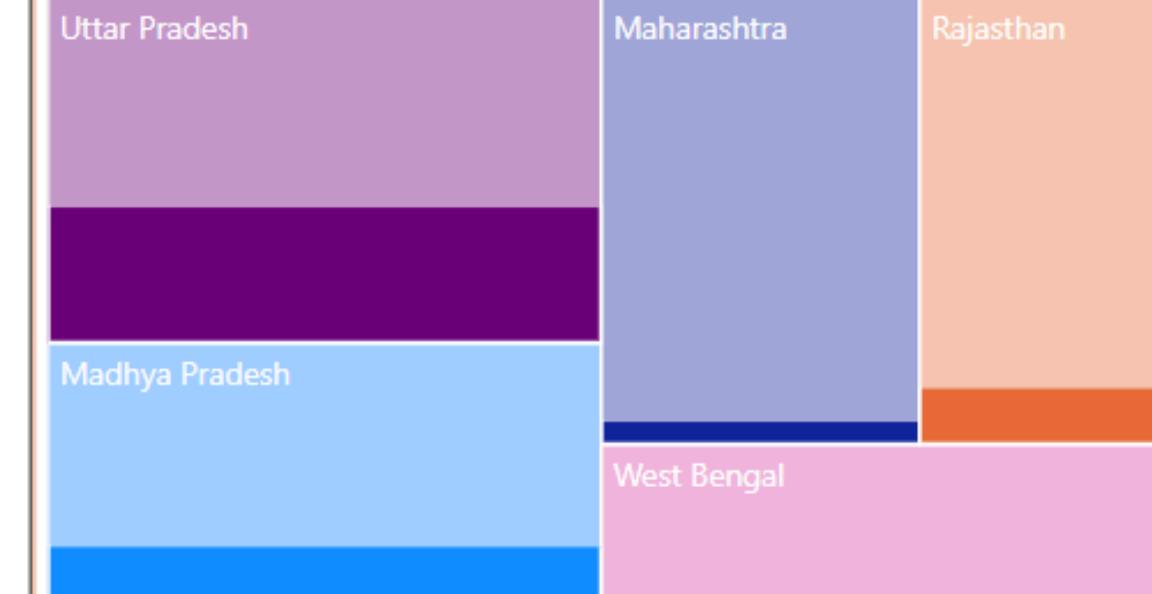
Sum of Area by Season



Top 5 Production by State_Name



Top 5 Area by State_Name





Thank You

