



Says

What have we heard them say?
What can we imagine them saying?

It also gave information about different seasonal crops at district level and area of cultivation along with total crop production. India being agriculture rich country, this data will have lots of minor and major facts which will help in charting a next successful agriculture revolution after 1965.

Doing an exploratory data analysis of this dataset would give insights into Indian agriculture status: state-wise, district-wise, crop-wise, area-wise and levels of productions

Using some tricks and tips from "Data Analysis with Python: Zero to Pandas"

Distribution of Land Holdings, its	Inequality and Land Tenure Status in
Himachal Pradesh during	1970-71 to 2010-11



NM2023TMID32181

INDIAN'S
AGRICULTURE
CROP
PRODUCTION
ASNALYSIS (1997-
2021)

Agricultural output has been volatile over the past 10 years, with annual growth ranging from 8.6% in 2010-11, to -0.2% in 2014-15 and 0.8% in 2015-16. [2] Figure 3 shows the trend in the growth of agricultural sector over the past 10 years.

India's GDP Growth rate in the last 10 years has been at an average Growth rate of 6-7 per cent.

In the last ten years, the average rate has been below 2 percent and since the second quarter of 2000 has never reached the 5 percent level.

GDP Annual Growth Rate in India averaged 5.91 percent from 1951 until 2023, reaching an all time high of 21.60 percent in the second quarter of 2021 and a record low of -23.20 percent in the second quarter of 2020.

[See an example](#)

Thinks

What are their wants, needs, hopes, and dreams?
What other thoughts might influence their behavior?

According to The World Bank, India is a global agricultural powerhouse. It is the world's largest producer of milk, pulses, and spices, and has the world's largest cattle herd (buffaloes), as well as the largest area under wheat, rice and cotton. It is the second largest producer of rice, wheat, cotton, sugarcane, farmed fish, sheep & goat meat, fruit, vegetables and tea

we can conclude that, Uttar Pradesh, Kerala, Tamil Nadu, Karnataka, and Maharashtra are the top 5 states with highest total crop production in total for years from 1997 to 2022

we can see that West Bengal, Uttar Pradesh, Punjab, Andhra Pradesh and Odisha are the top 5 states with max rice production

Data is open available on Kaggle which is made available Ministry of Agriculture and Farmers Welfare of India



Small and fragmented landholdings, a lack of mechanisation, soil erosion, agricultural marketing, and insufficient storage facilities are the main problems in Indian agriculture.

farmers' mental health, farming stress, mental disorder, systematic review

farmers' mental health, farming stress, mental disorder, systematic review



Does

What behavior have we observed?
What can we imagine them doing?

Feels

What are their fears, frustrations, and anxieties?
What other feelings might influence their behavior?

