

# PROJECT REPORT

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PROJECT NAME: INDIA'S AGRICULTURAL CROP  
PRODUCTION ANALYSIS  
(1997 – 2021)

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# 1. INTRODUCTION

## OVERVIEW

Agriculture plays a vital role in India's economy. It is the primary source of livelihood for a significant portion of the population. India is known for its diverse agricultural practices, including the cultivation of crops like rice, wheat, sugarcane, and cotton. The country also has a rich tradition of dairy farming and horticulture. Agriculture in India is influenced by factors such as climate, soil types, and irrigation methods. Let me know if you want to know more specific details! 🌱 🚜


## Purpose

The purpose of analyzing Indian agriculture is to gain a better understanding of its strengths, challenges, and potential areas of improvement. By analyzing various aspects such as crop yields, agricultural practices, market trends, and government policies, we can identify opportunities to enhance productivity, ensure food security, promote sustainable practices, and support the livelihoods of farmers. 🌱 📊

## 2. Emphathy Map



# Brainstorming Idea Prioritization



## Brainstorm & idea prioritization

Use this template to generate ideas, evaluate them, and prioritize them for implementation.

**1. Brainstorm**  
Generate ideas and write them down.

**2. Evaluate**  
Evaluate ideas based on the criteria below.

**3. Prioritize**  
Prioritize ideas based on the evaluation.

### 1. Brainstorm

Write down all ideas that come to mind, no matter how small or silly they may seem.

**2. Evaluate**

Use the criteria below to evaluate each idea. Rate each idea on a scale of 1 to 5 (1 = Low, 5 = High).

**3. Prioritize**

Rank the ideas based on their overall score. The highest ranked ideas are the most promising.

### 2. Evaluate

Use the criteria below to evaluate each idea. Rate each idea on a scale of 1 to 5 (1 = Low, 5 = High).

**3. Prioritize**

Rank the ideas based on their overall score. The highest ranked ideas are the most promising.

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Rank the ideas based on their overall score. The highest ranked ideas are the most promising.

### 4. Implement

Implement the highest ranked ideas. Monitor progress and adjust as needed.

### 5. Review

Review the results of the implementation. Reflect on what worked and what didn't.

### 6. Reflect

Reflect on the entire process. What did you learn? How can you improve next time?

### 7. Share

Share your results with others. Get feedback and learn from their experiences.

### 8. Iterate

Iterate on your ideas. Refine them based on feedback and new insights.

### 9. Celebrate

Celebrate your success. Acknowledge the hard work and creativity that went into the process.

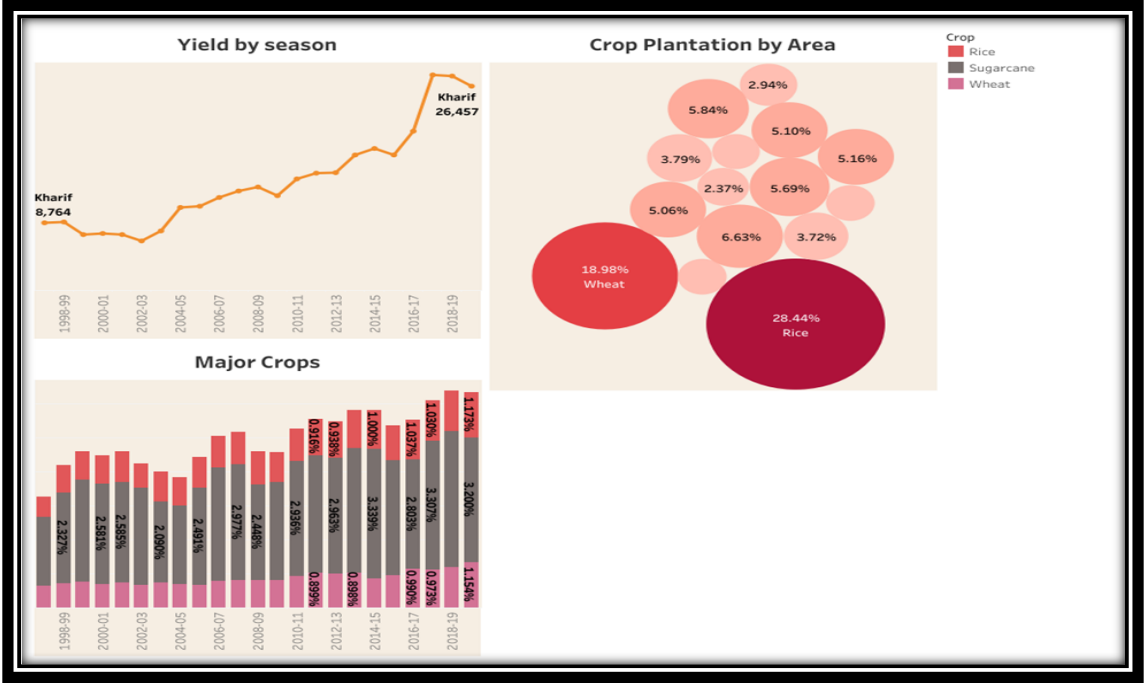
### 10. Repeat

Repeat the process. Brainstorming and idea prioritization are ongoing processes.

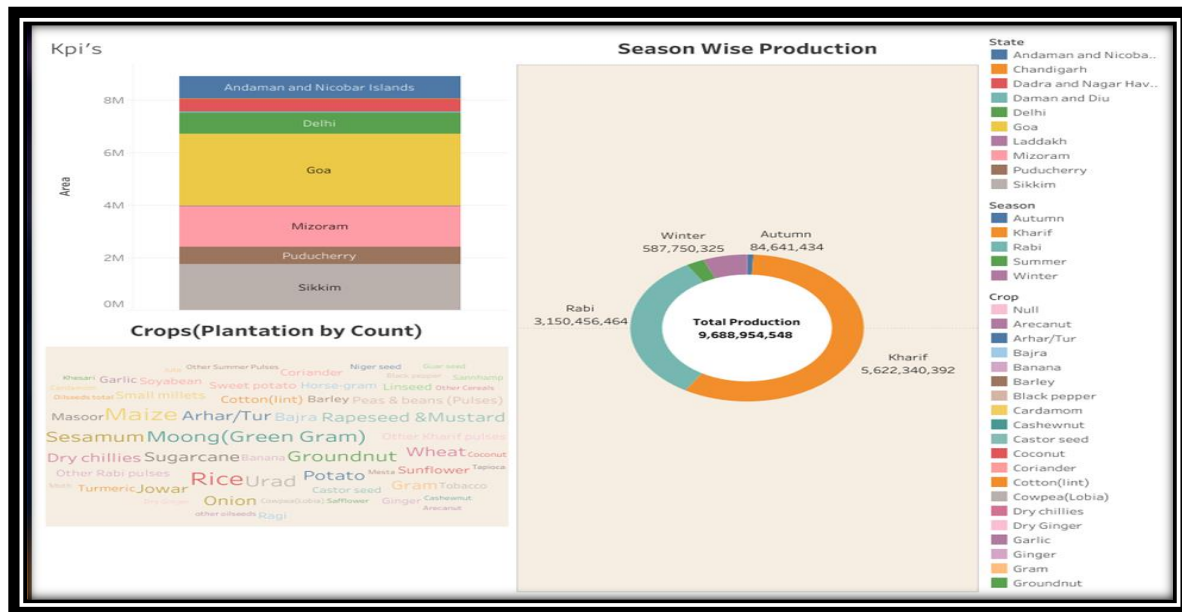


# 3.Result

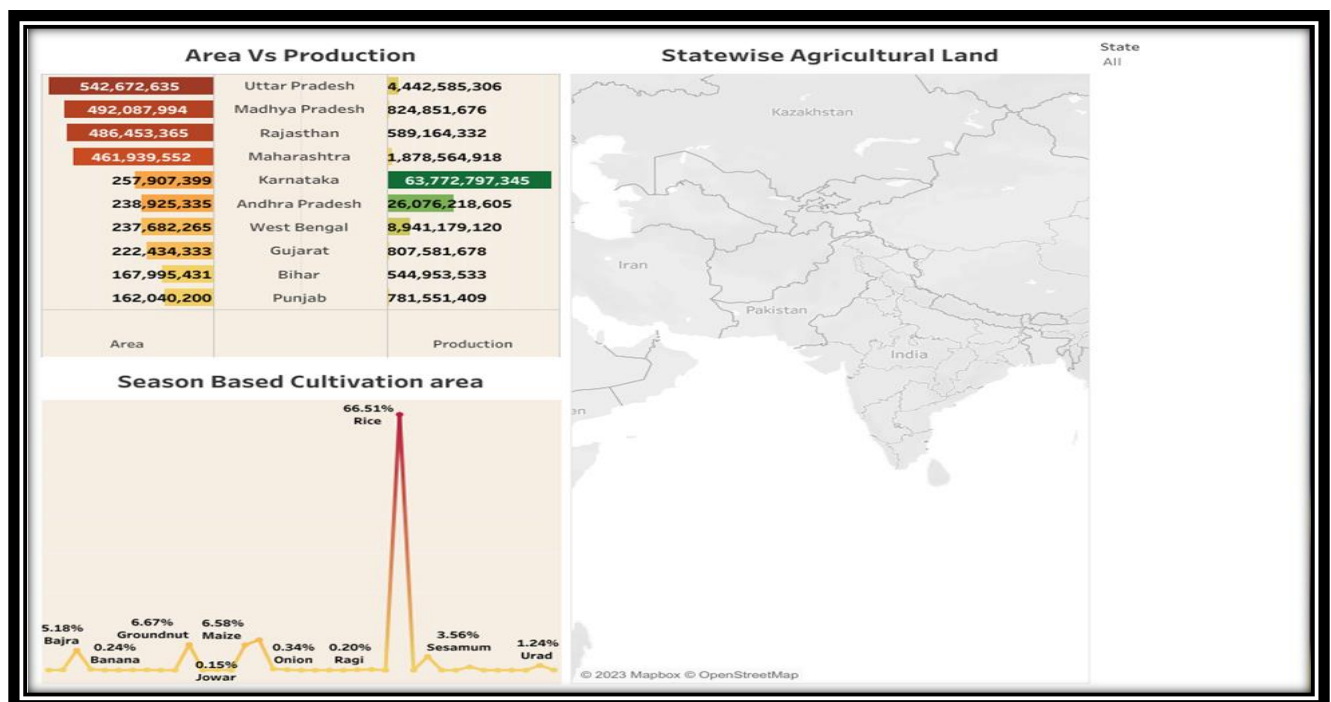
## DASHBOARD 1



## DASHBOARD 2



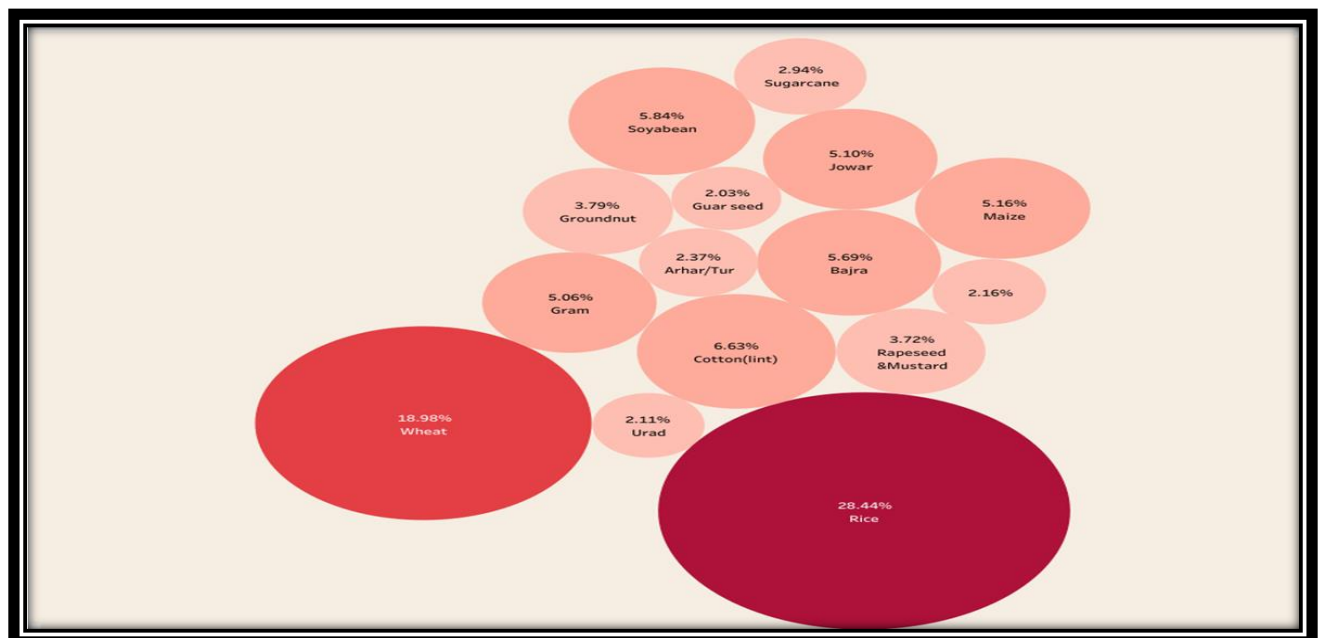
## DASHBOARD 3



## STORY 1



## STORY 2



## 4. Advantages and Disadvantages



**ADVANTAGES:** Agriculture provides a stable source of food and nutrition, supports the livelihoods of farmers, contributes to the economy, and helps in rural development.

**DISADVANTAGES:** Pests and diseases can affect crops, causing yield losses. Climate change can also have a negative impact on agricultural productivity.

## **5.Applications**

- **Agriculture analysis is used to gain insights into various aspects of the agricultural sector.**
- **It helps in understanding crop yields, identifying areas for improvement, and optimizing resource allocation.**
- **Analyzing market trends, it assists in making informed decisions about pricing, supply, and demand.**

## **6.Conclusion**

- ✓ **Research and create a presentation on the impact of climate change on agriculture and propose sustainable solutions.**
- ✓ **Develop a mobile app or website that provides farmers with real-time market prices and agricultural information.**

## **7.Future Scope**

- **Create an educational campaign to raise awareness about the importance of supporting local farmers and buying locally sourced produce.**
- **Design a community garden project to promote urban agriculture and encourage sustainable food production in urban areas.**

## **8.Appendix**

Source Code:

➤ Data set link:

<https://www.kaggle.com/datasets/pyatakov/india-agriculture-crop-production>