

# India's Agricultural Crop Production Analysis(1997-2021)

## 1 INTRODUCTION

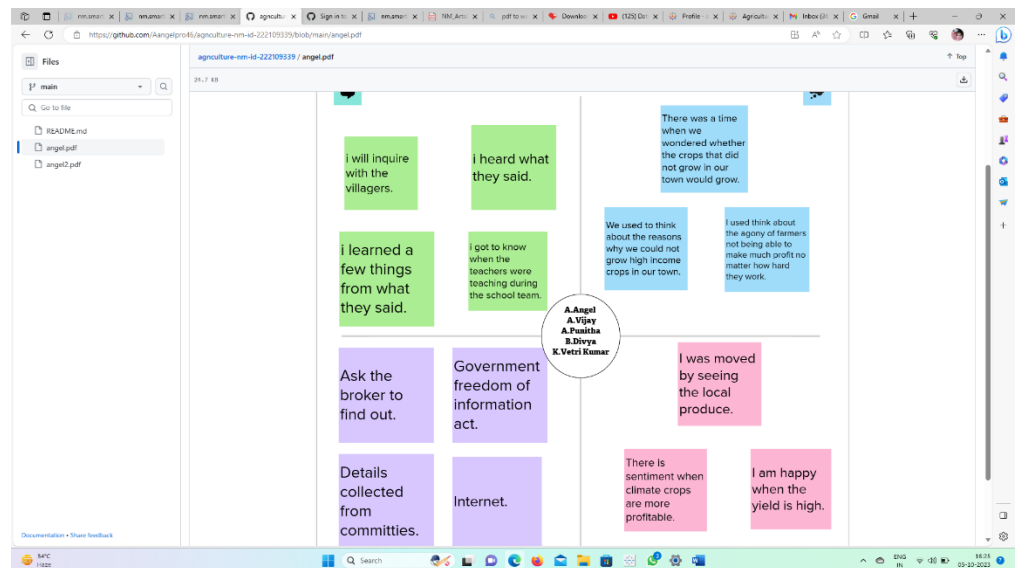
### 1.1 Overview

This report delves into the captivating realm of India's agricultural cultivation, providing a comprehensive visual exploration of key aspects and trends in the agricultural sector. Through the visual representations, readers can gain valuable insights into crop production, seasonal variations, regional distribution, and overall production trends. These visualizations enable intuitive analysis, allowing stakeholders to uncover patterns, identify areas of growth or concern, and make data-driven decisions.

By harnessing the power of Tableau, this report not only presents the data in a visually appealing manner but also provides an interactive experience for readers to explore the intricacies of India's agricultural cultivation.

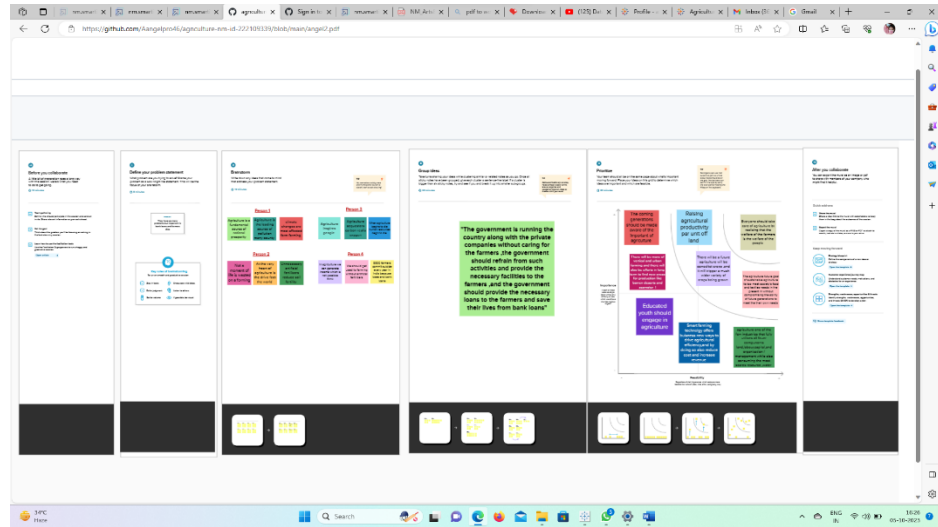
## 2 Problem Definition & Design Thinking

### 2.1 Empathy Map

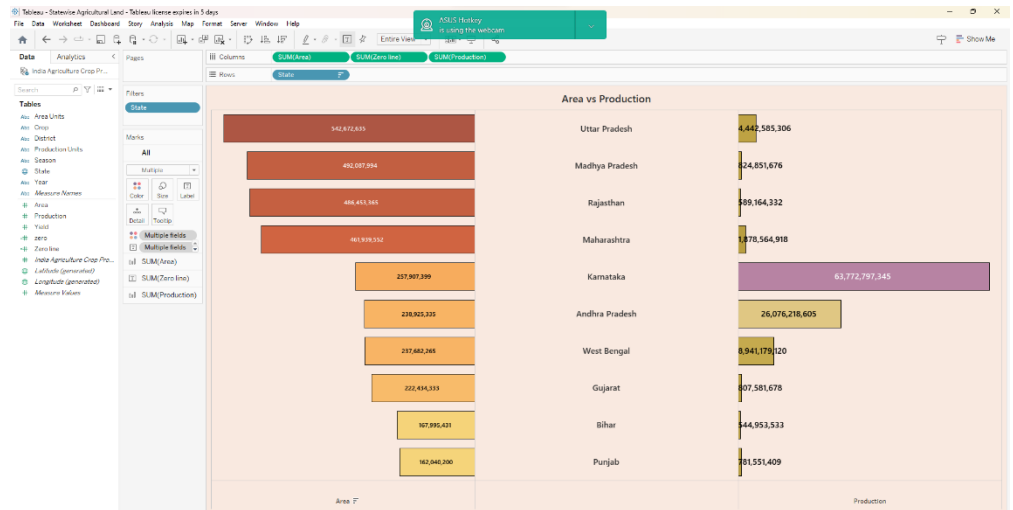


### 2.2 Ideation & Brainstorming Map

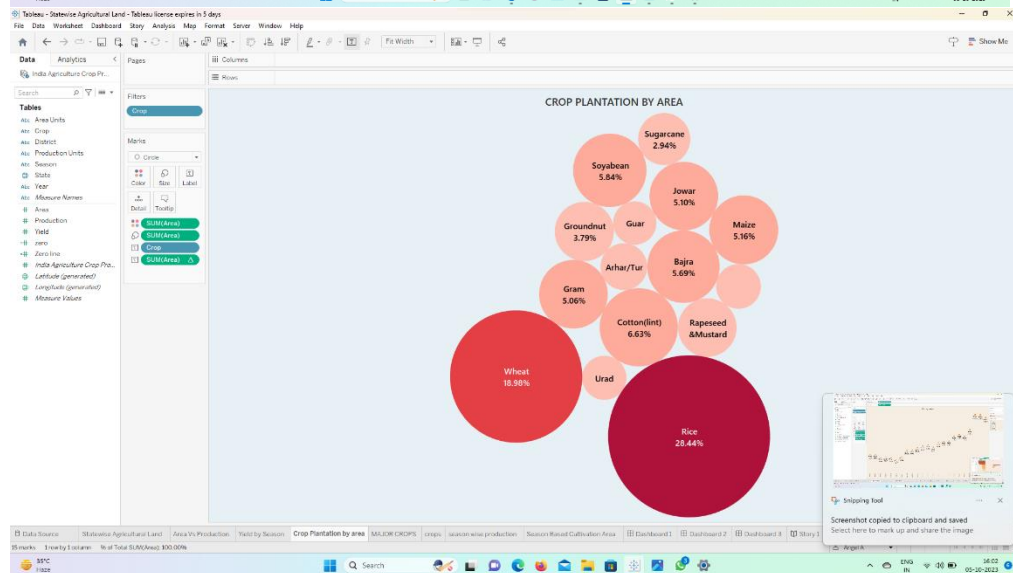
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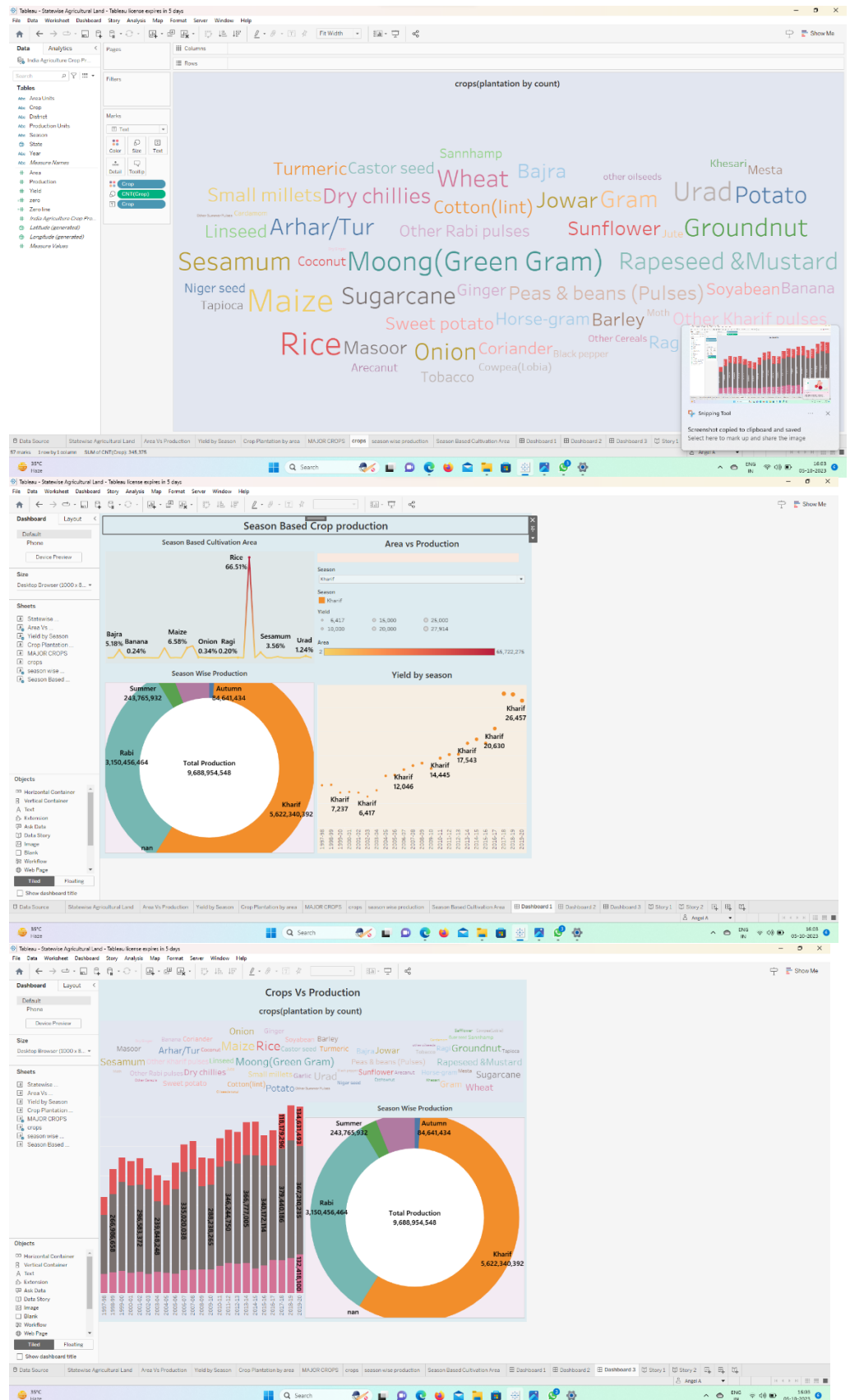
## 3 RESULT



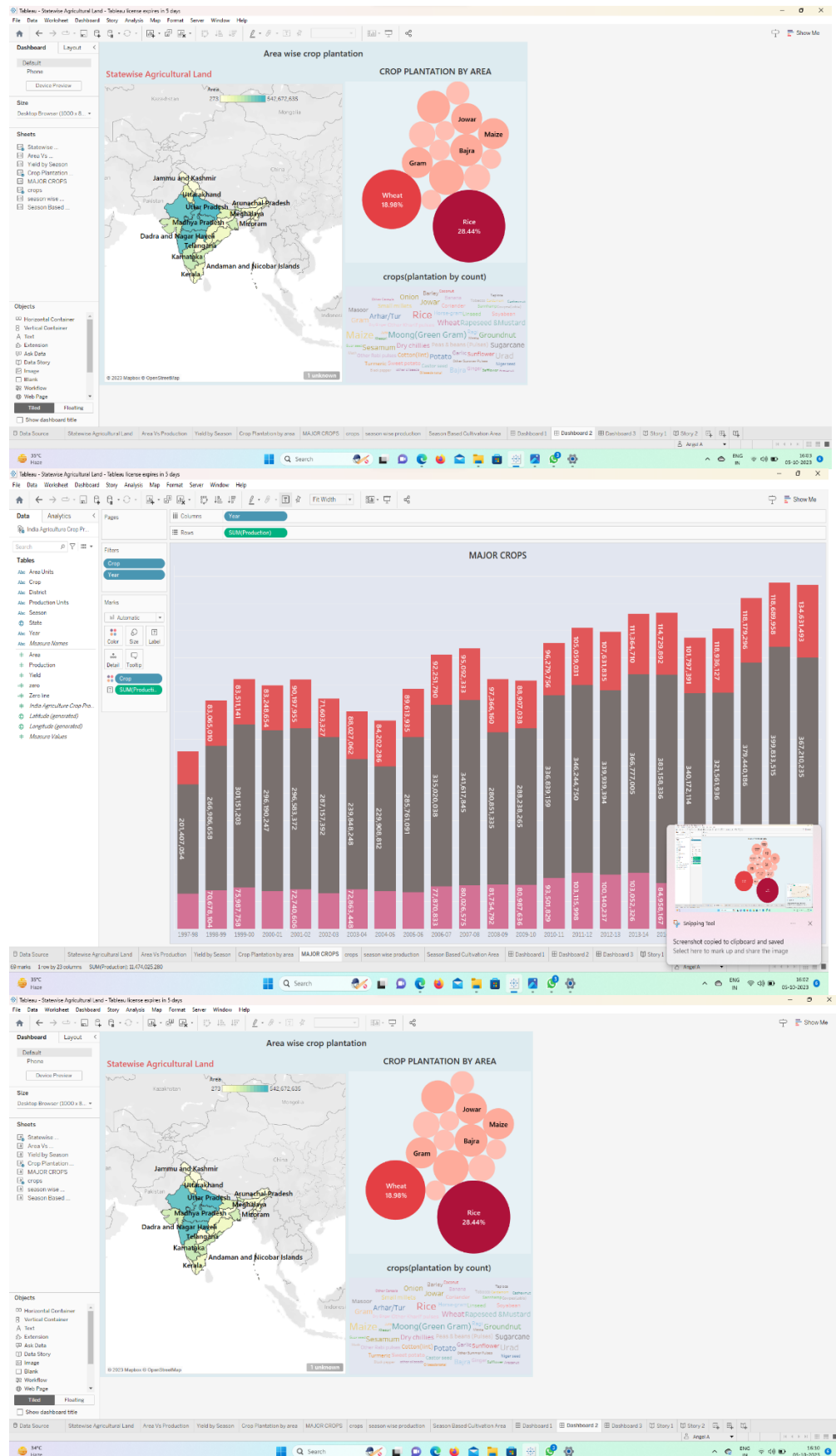
## 4



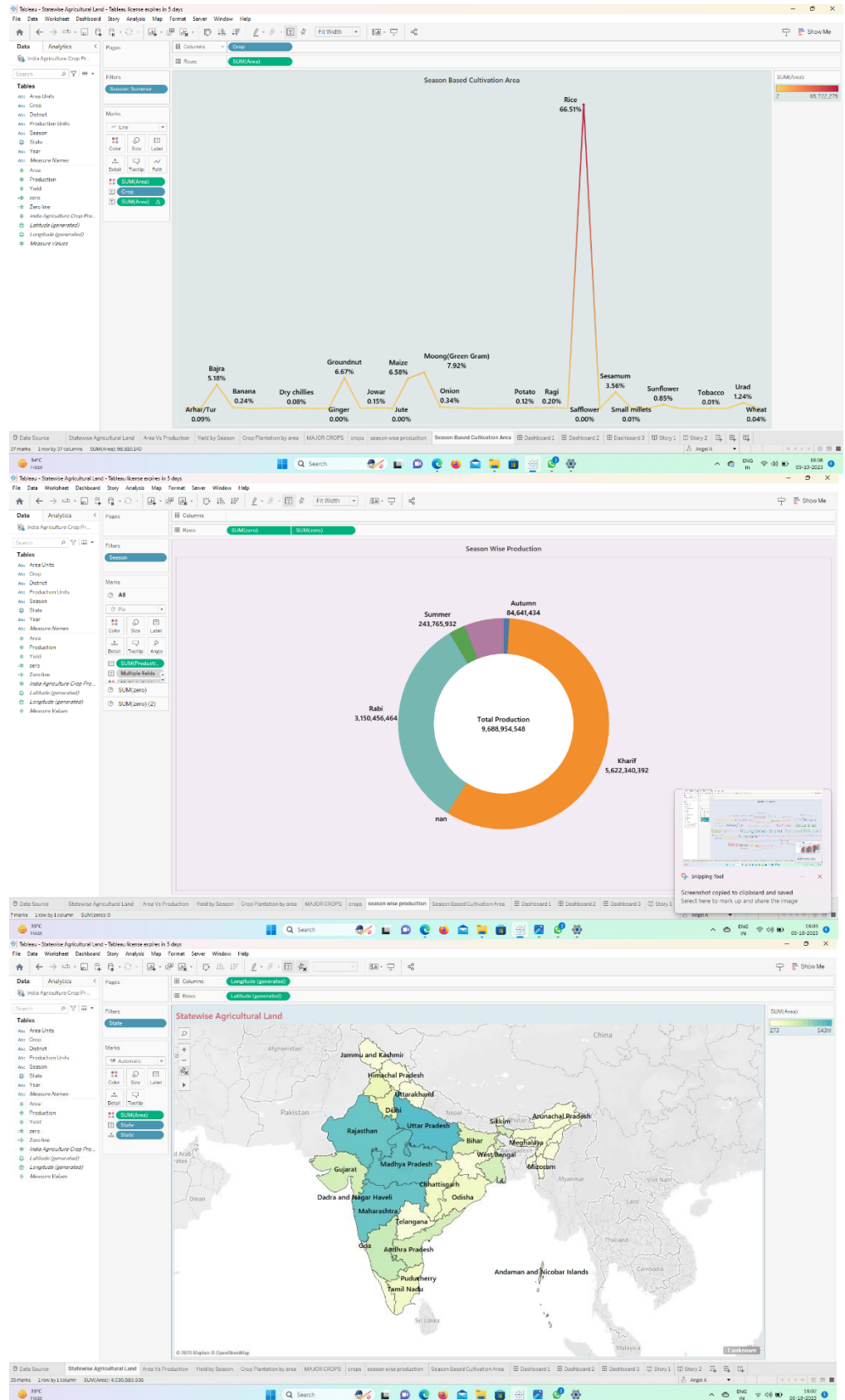
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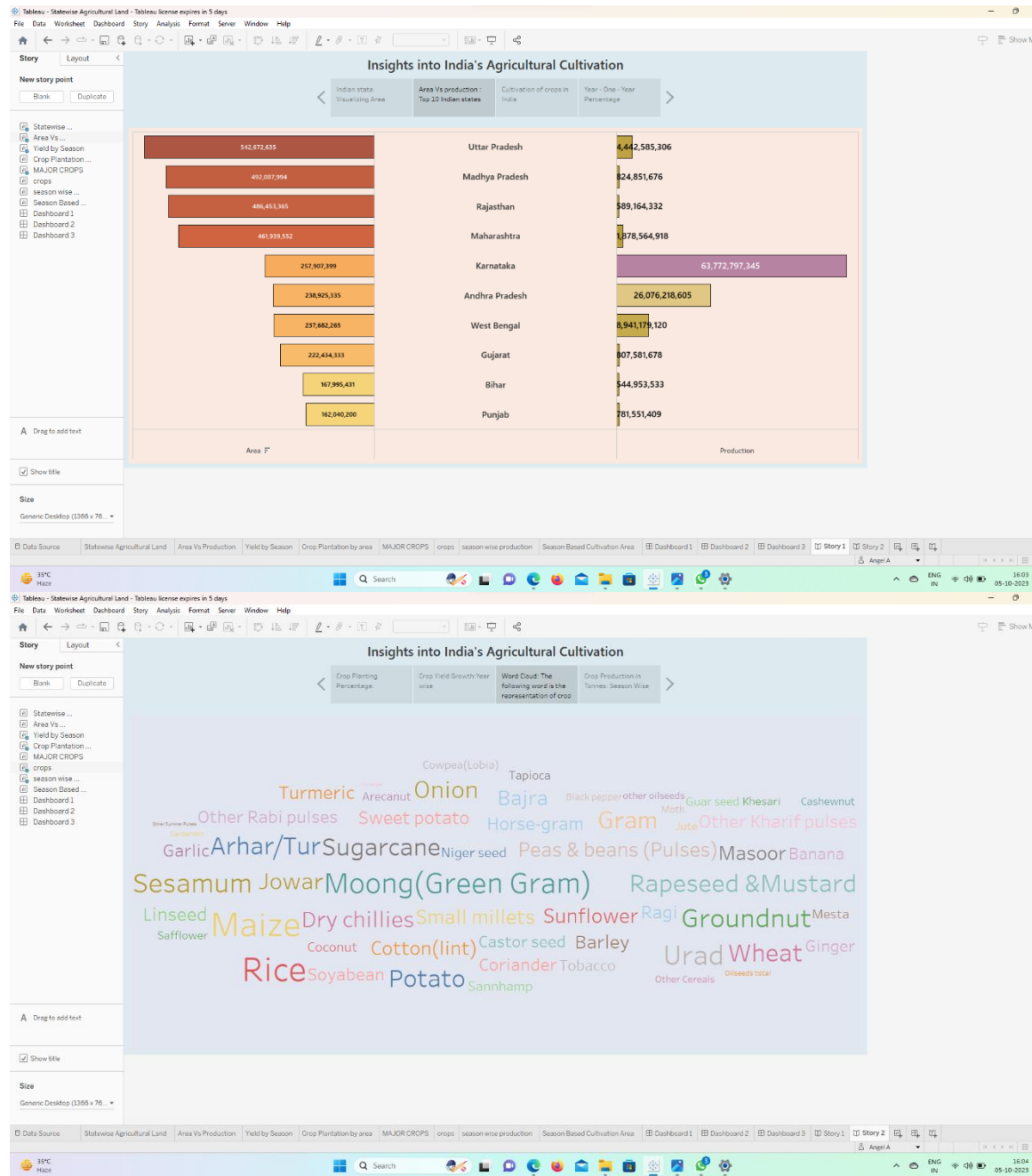
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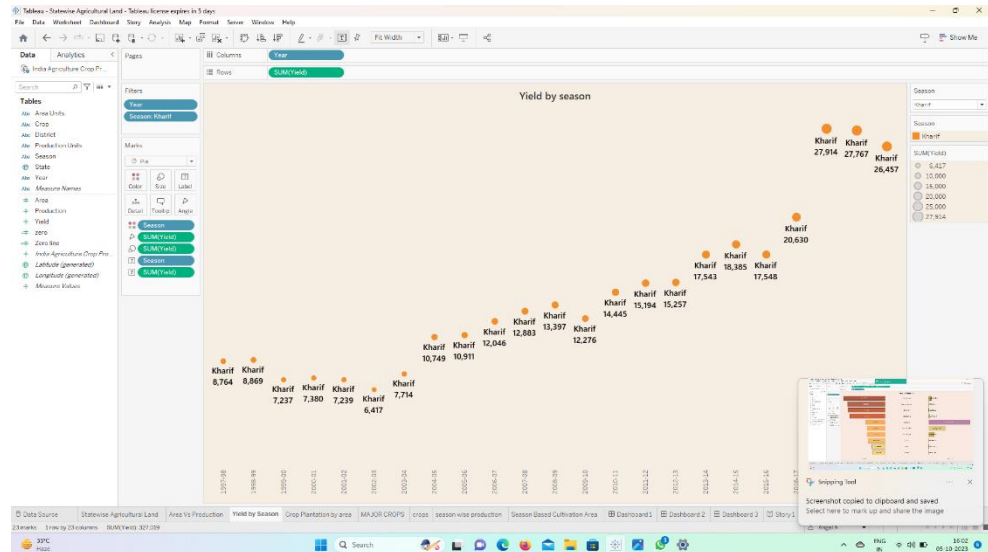
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## ADVANTAGES & DISADVANTAGES

Analyzing a country's crop production can provide several benefits.

### ADVANTAGES

1. Crop diversification is one such strategy that can help farmers grow more diverse crops from shrinking land resources with an increase in productivity in the same arable land
2. Crop diversification can act as an important stress-relieving factor for the economic growth of the farming community and provide economic stability
3. Research has shown that crop diversification can provide numerous benefits, including increased productivity, enhanced nitrogen use efficiency, and lower carbon footprints, in addition to enhancing other ecosystem services
4. Agricultural development is one of the most powerful tools to end extreme poverty, boost shared prosperity, and feed a projected 10 billion people by 2050.
5. Growth in the agriculture sector is two to four times more effective in raising incomes among the poorest compared to other sectors
6. Increases in crop production are key to ending hunger, as well as economic and social development.

### Disadvantages

**Agriculture is a basic need for every country to survive healthily. So there is no disadvantage in analyzing it**

## 5 APPLICATIONS

The solution can be applied to improve crop production in all the seasons.

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## **6 CONCLUSION**

The agricultural sector is of vital importance for the region. It is undergoing a process of transition to a market economy, with substantial changes in the social, legal, structural, productive, and supply set-ups, as is the case with all other sectors of the economy. By analyzing Season-wise crop production, it is possible to improve the crop production in overall India.

## **7 FUTURE SCOPE**

Analyzing production based on fertilizer usages.

## **8 APPENDIX**

<https://public.tableau.com/app/profile/angel.a4225>



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