

# PROJECT REPORT

## 1.INTRODUCTION

### 1.1 Overview

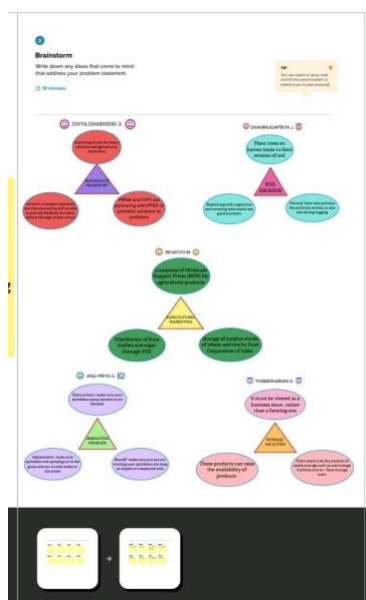
The name of our project is "India's agricultural crop production analysis (1997-2021)". The ways to improve the crop production and the growth are discussed and analysed by using various visual representation and the solutions is given.

### 1.2 Purpose

Awareness is created regarding the crop production through state wise of our country. Improvement and development can be attained more precisely. Using this, we can achieve a high employment rate in agriculture, increase the crop production, improving living standard, potential environmental benefits, and so on.

## 2.Problem Definition & Design thinking:

### 2.1 Empathy Map

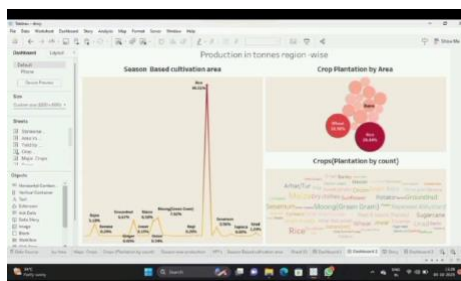
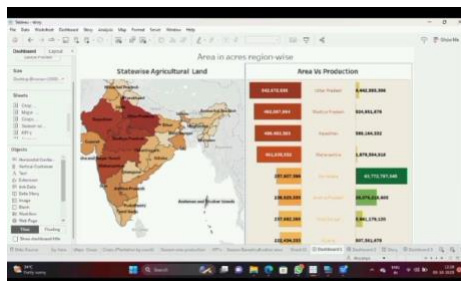


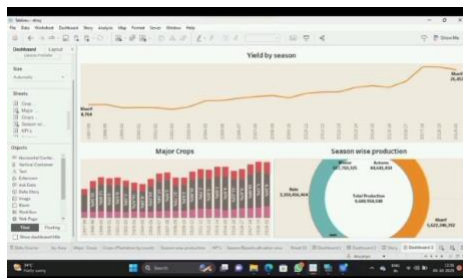
## 2.2 Ideation and Brainstorming Map



## 3.Results

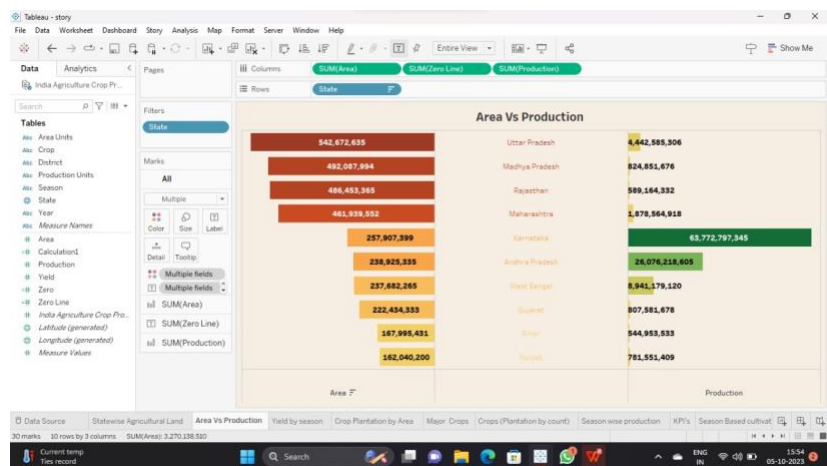
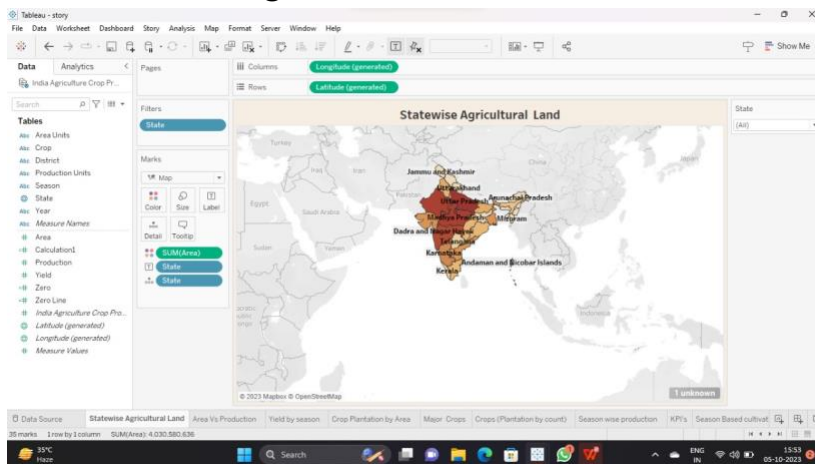
### Dashboard





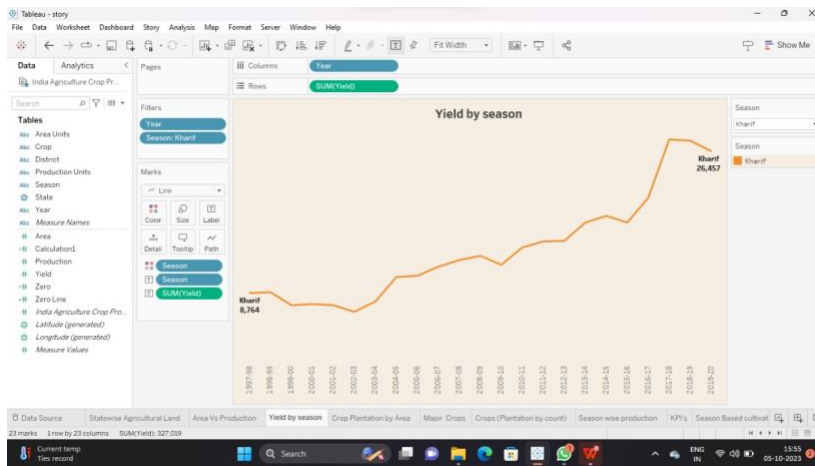
# Stories

## State Wise agriculture land

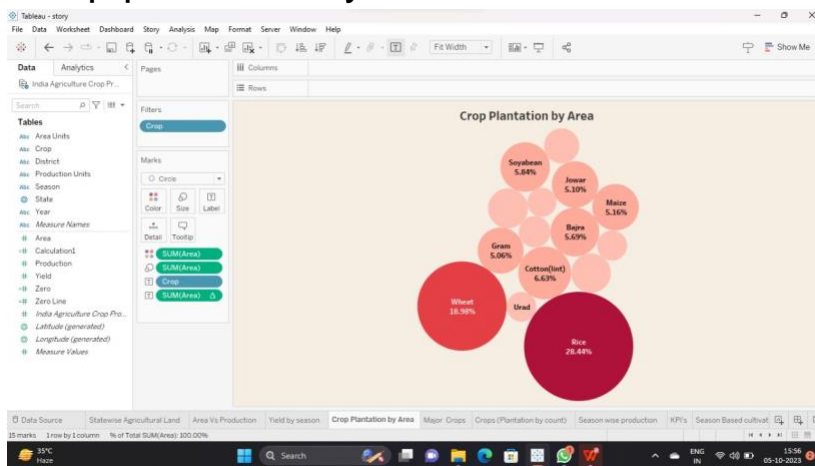


## Area vs production

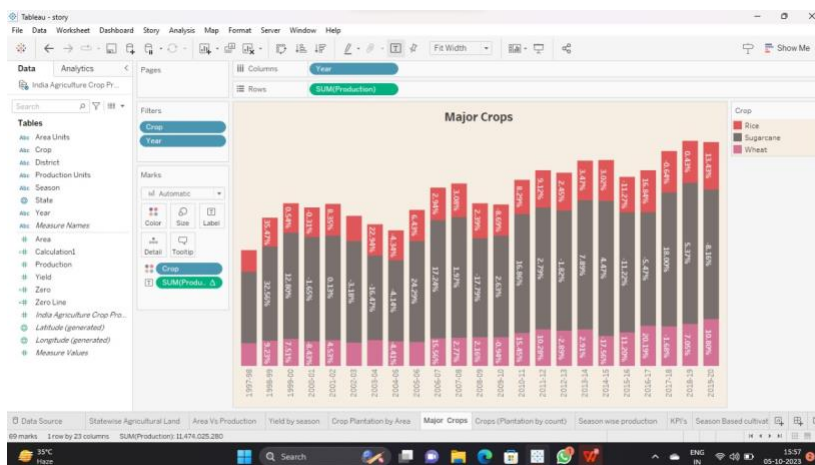
# Yield by season



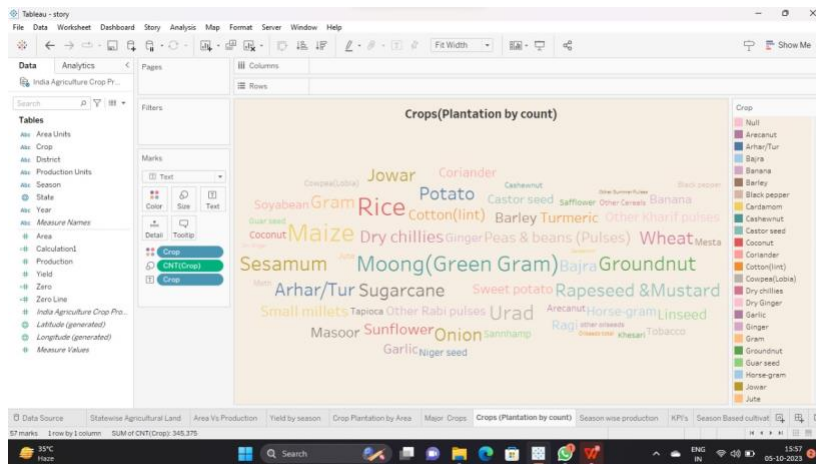
# Crop plantation by area



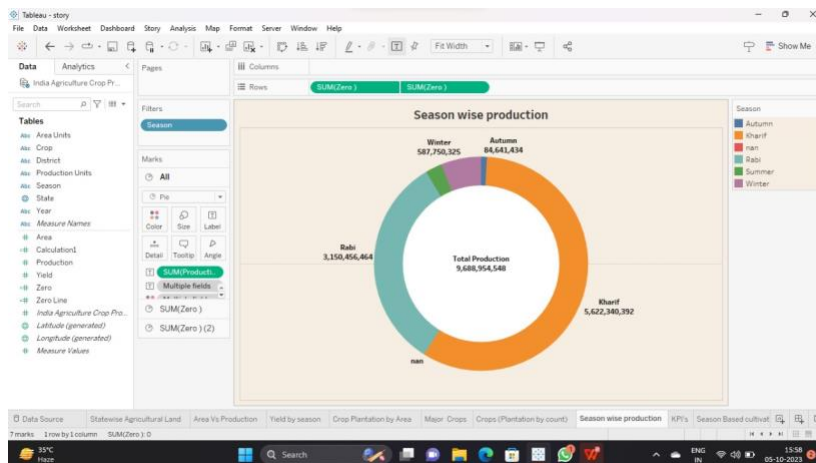
# Major crops



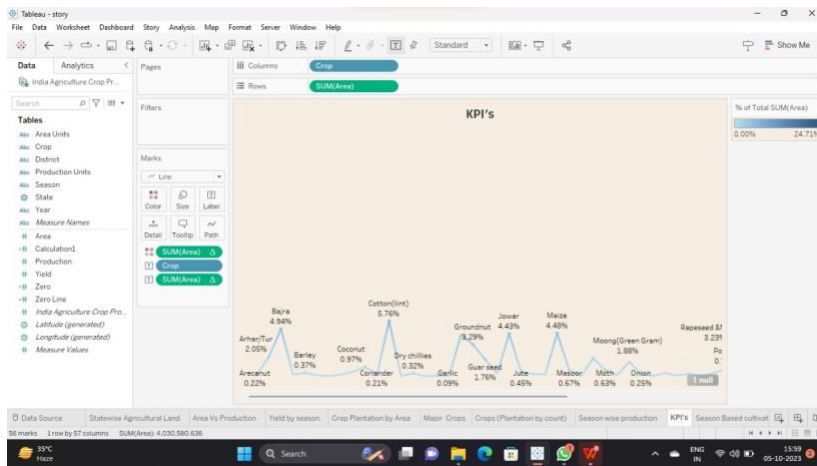
## Crops( plantation by count)



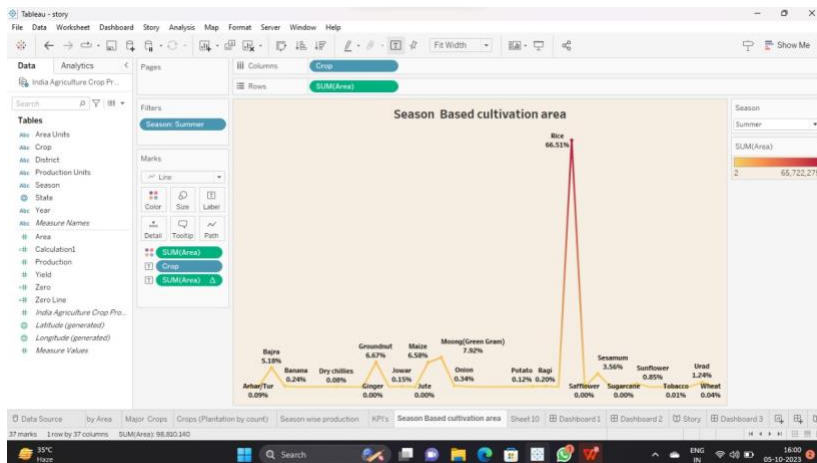
## Season wise production



## About KPI's



## Season based cultivation area



## 4. Advantages and disadvantages

- Identify the crop growth in a particular area, which will pave way to increase the production.
- It's helps to understand the climatic temperature that affects the growth.
- It's creates knowledge on increase or decrease in cultivation in past decade.

## 5. Applications

Agriculture plays an important role for life as well as to live. We need to develop it for future generations.

## 6. Conclusion

From the analysis of India's Agricultural crop production analysis (1997-2021) we learnt about the problem and arrive at the possibility to provide a feasible solution. Here we came across statewise agricultural land, yield by season, crop plantation by area, major crops, season wise crops, etc..... and we also learnt the importance of crop production .

## 7. Future scope

It is a significant part of our country's economic and agriculture is the background of food security.

By following solutions mentioned in empathy map, a reasonable agricultural growth can be reached.