

# INDIAN AGRICULTURE CROP PRODUCTION ANALYSIS

## 1 INTRODUCTION

### 1.1 Overview

Agriculture is an important sector in India. By Indian Agriculture Crop Production Analysis we can understand the production & yield of several crops based on the season in different districts.

### 1.2 Purpose

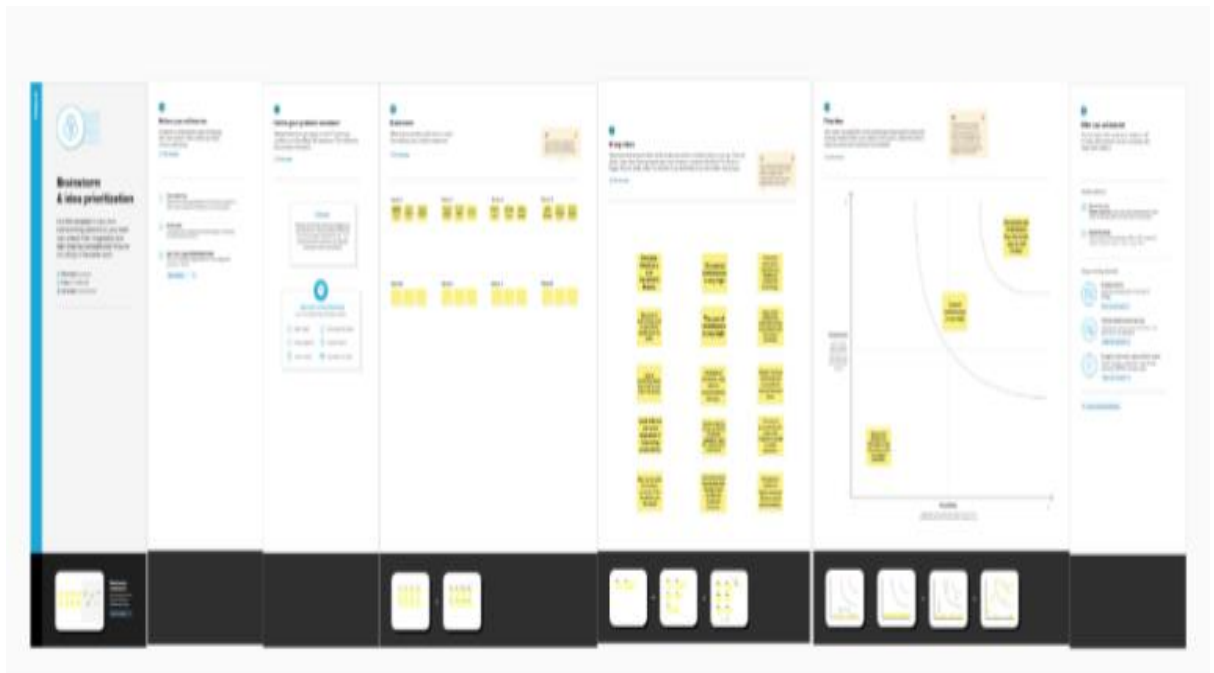
This project is useful to visualize the given large data graphically, including data extraction as well as the creation of reports and dashboards.

## 2 PROBLEM DEFINITION & DESING THINKING

### 2.1 Empathy Map

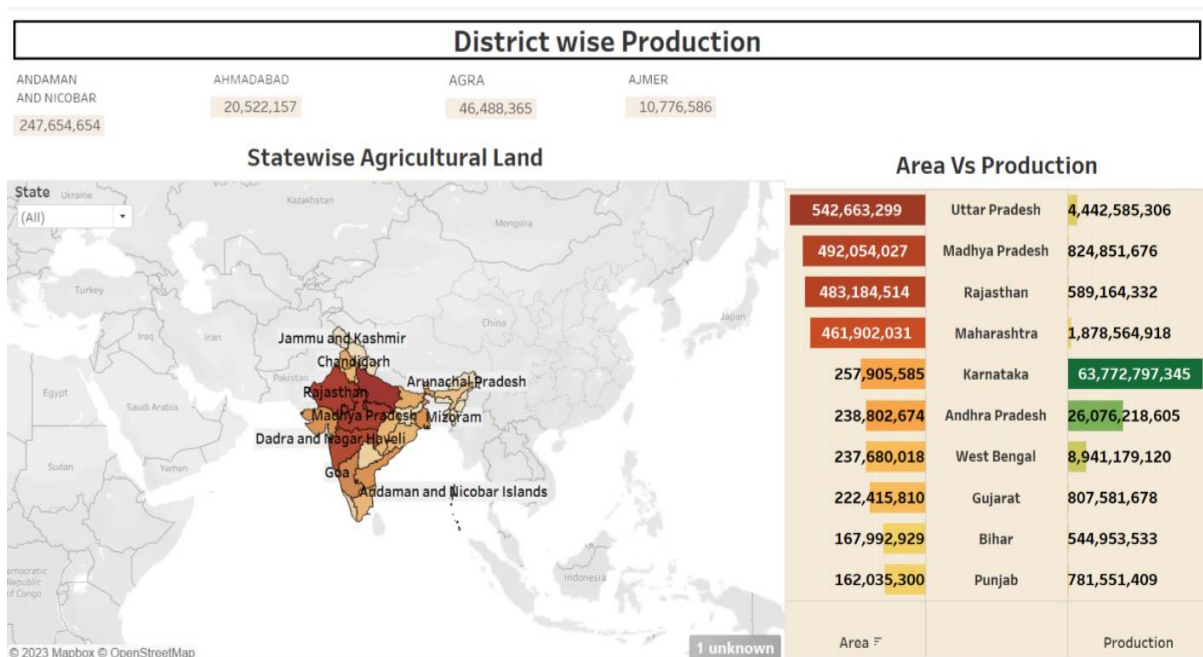


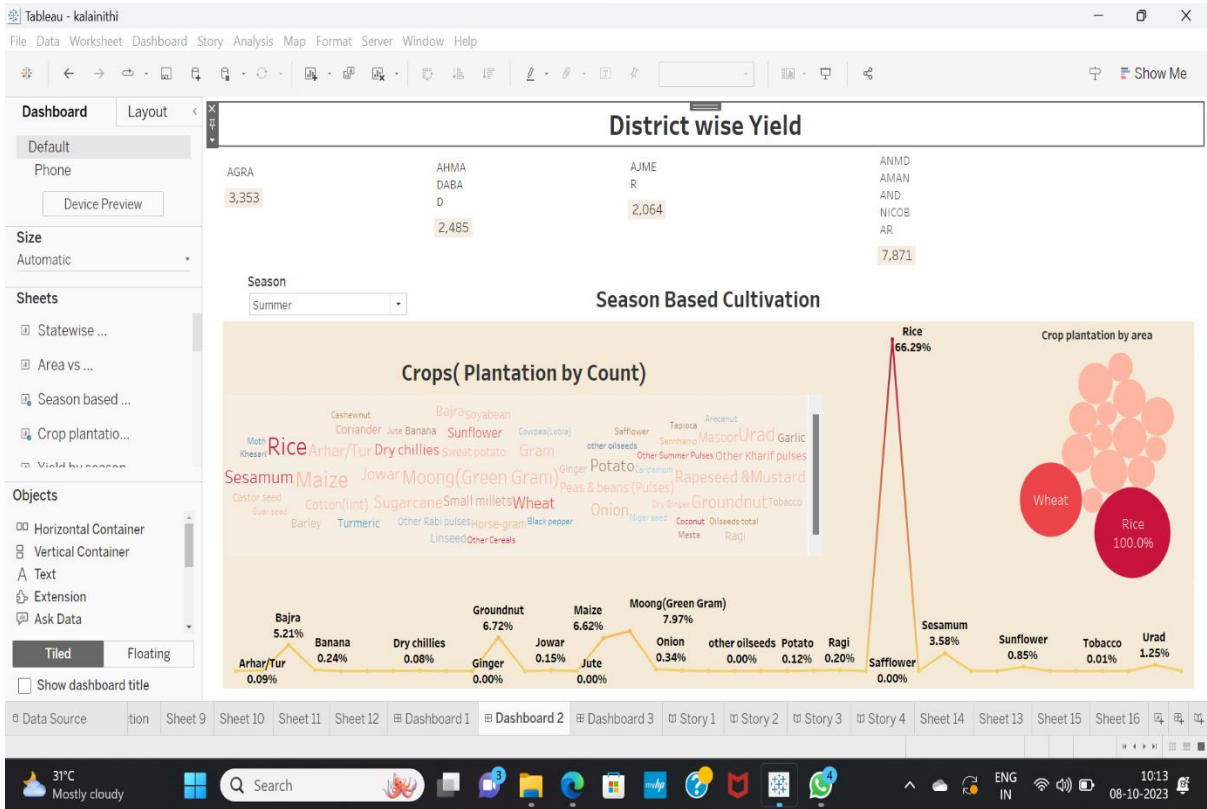
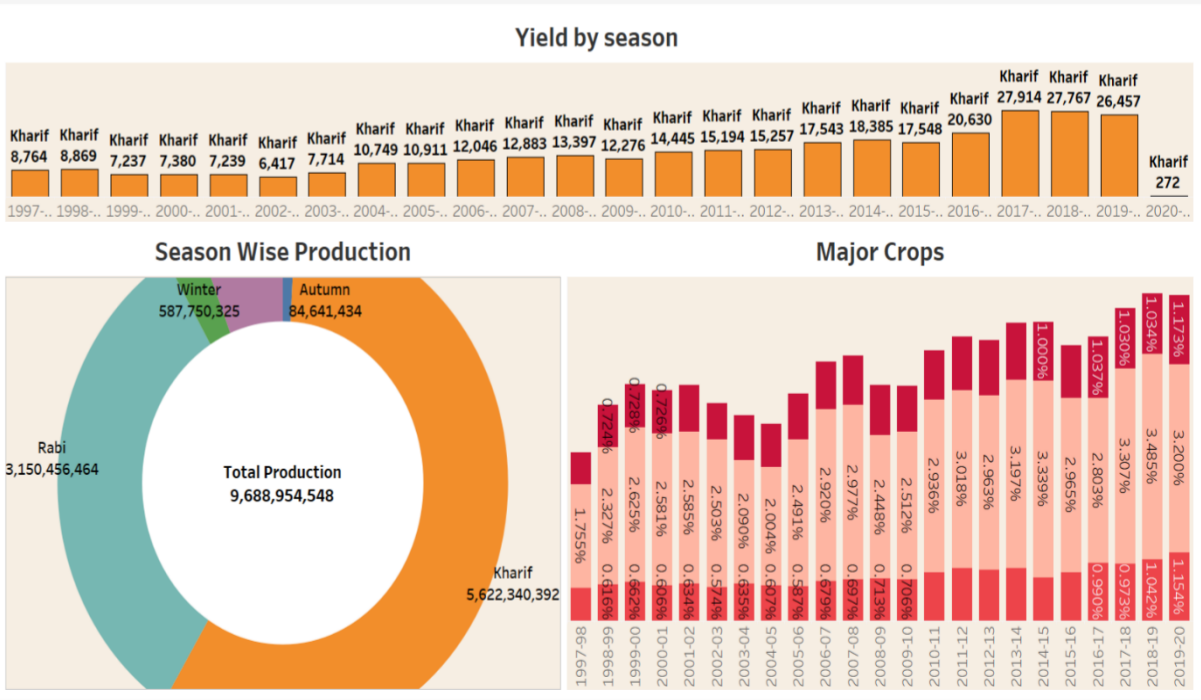
## 2.2 Brainstorming



## 3 RESULT

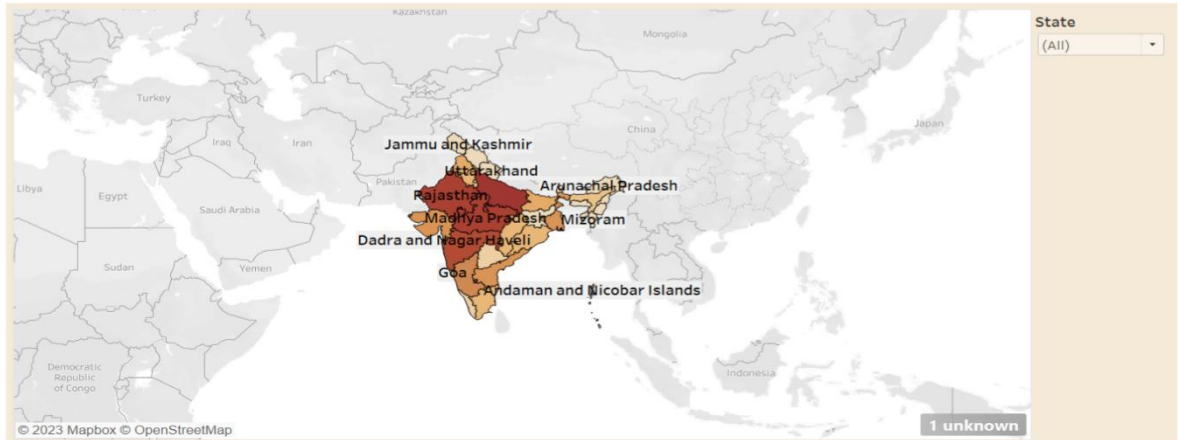
### DASHBOARD 1





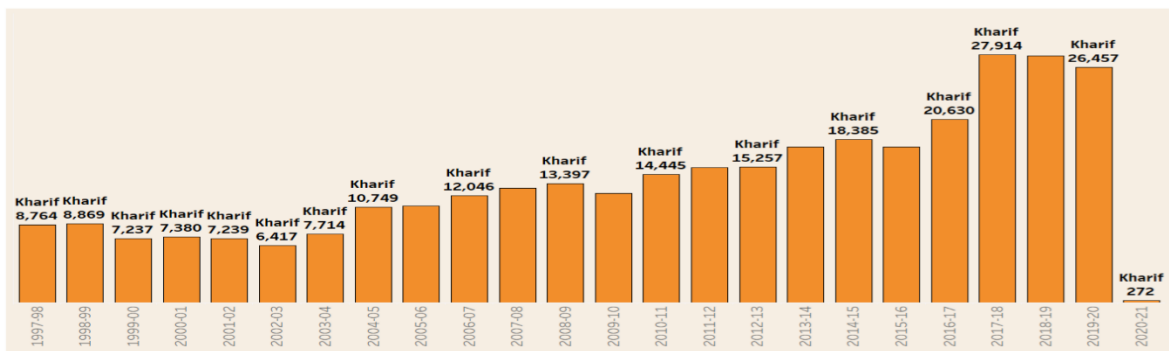
## Story 1

< Statewise Agricultural Area vs Production Cultivation of Crops in India Major crops >



## Story 2

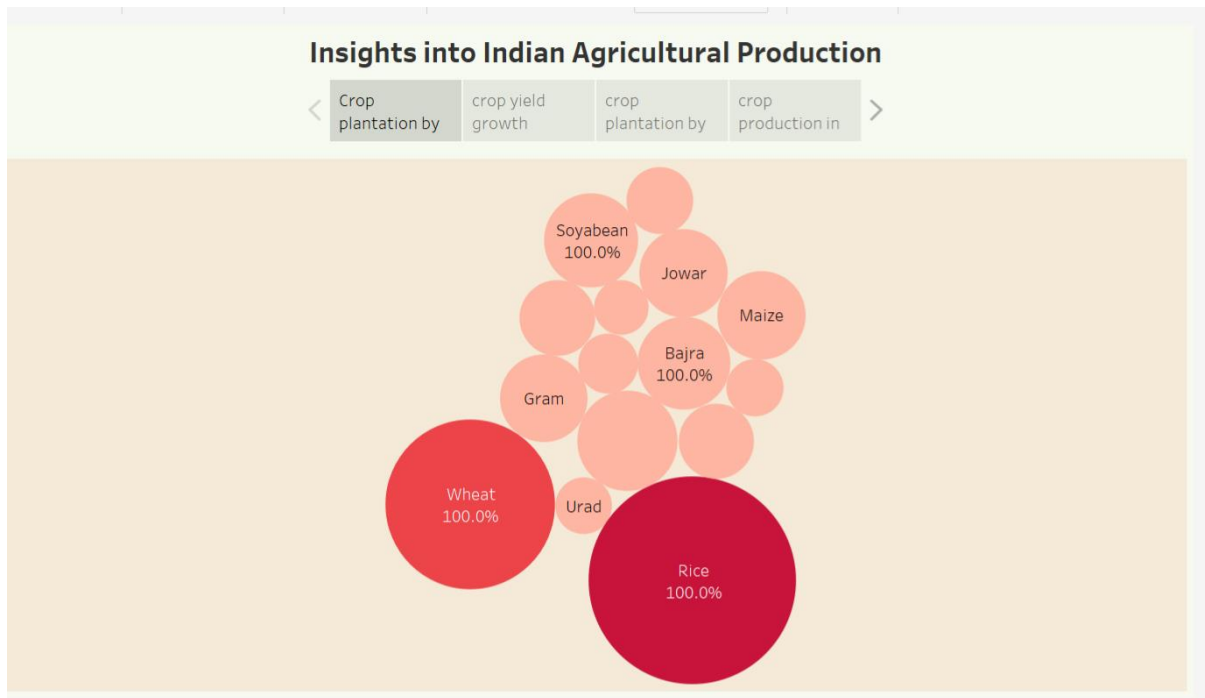
< Yield by season:crop crop planting percentage Seasonwise production:cro Crop plantation by >



## Insights into India's Agricultural Cultivation

< Statewise agricultural land Area vs production Season based cultivation Major crops >





#### 4 ADVANTAGES :

- The advantages of raising short duration crop when long season crops cannot be raised due to some reasons
- The overall increase of yields of crops mainly due to maintaining physical-Chemical properties of soil.
- Inclusion of crops of different feeding zones and maintain the crops.

#### DISAVANTAGES:

- \* Large scale, conventional farming focuses on intensive single crop production, mechanization and depends on fossil fuels, pesticides, despite high initial costs in machinery & different seedlings the success of each rotation is not guaranteed.
- \* Crops propagated from seed risk not being true of type.
- \* Require higher yields of crops.

#### 5 APPLICATIONS

Tableau is a powerful and fastest-growing data visualization tool used in the business and intelligence industry. We apply the given data sheet in tableau by connecting and we can compare the given data. We can collaborate & use pie charts graphs and visualise the data in different ways

#### 6 CONCLUSION

The availability of Maps helps to Analyse State wise Agricultural Land. It helps to view the crop plantation by area in percentage easily.

## 7 FUTURE SCOPE

The future scope of Agriculture in India with Unmanned Aerial Vehicles & Artificial Intelligence may include crop and soil monitoring by sensors, predicating agricultural analytics these can be visualized by different charts & bar graphs, etc...