

PROJECT REPORT

THE TABLEAU HR SCORECARD: ANALYSING INDIA'S AGRICULTURE CROP PRODUCTION

SUBMITTED BY

R. Suthi Abinaya

N. Soni Meena

P. saranya

A. Santhanmari

UNDER THE GUIDANCE OF:

DR. Seetha lakshmi

Assistant professor

Department of Mathematics

Arignar Anna College,

Aralvaimozhi.

INTRODUCTION:

India is a large production of several agricultural products. In terms of quantity of production. India is the top producer in the world in milk and second largest in wheat and rice. Agricultural production is prone to several risks which affect both producer and consumer.

Overview:

According to the world bank India is a global agricultural power house. It is an evolutionary process that consists of a series of activities such as the production of food, fibers and feeds.

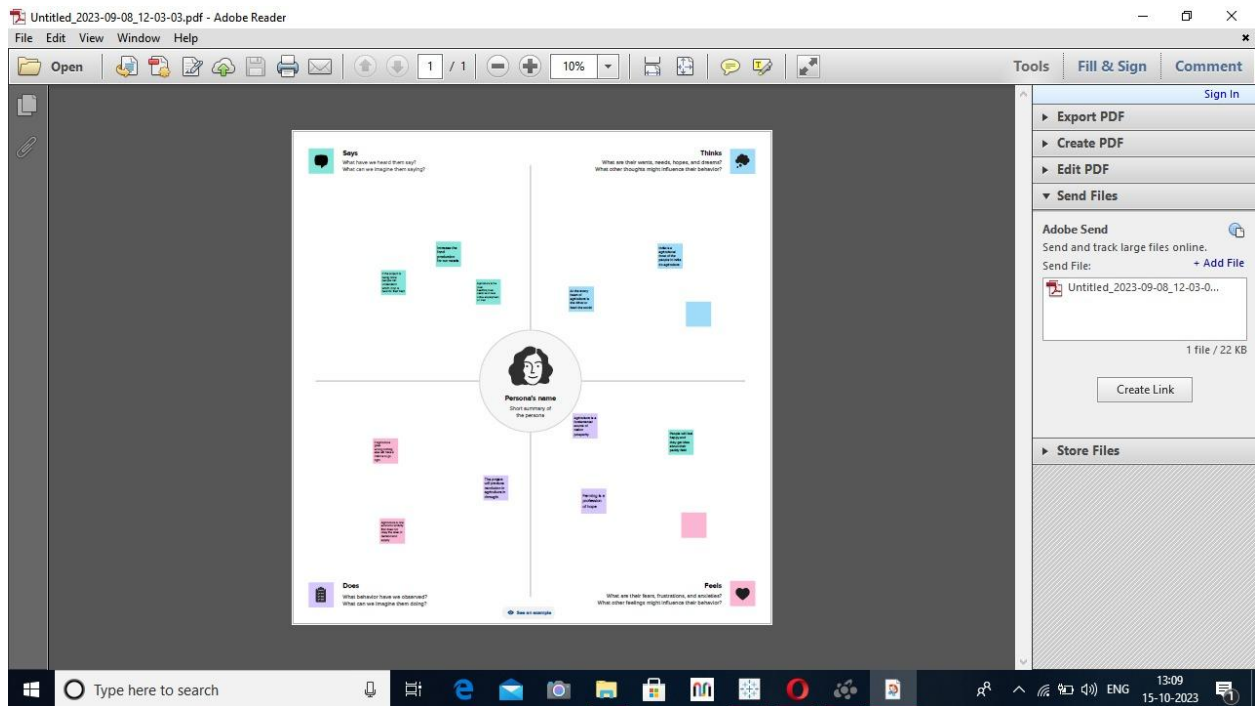
Purpose:

Crop production is the basis for providing the livestock industry with feed, and the population with food.

Problem Definition & Design Thinking:

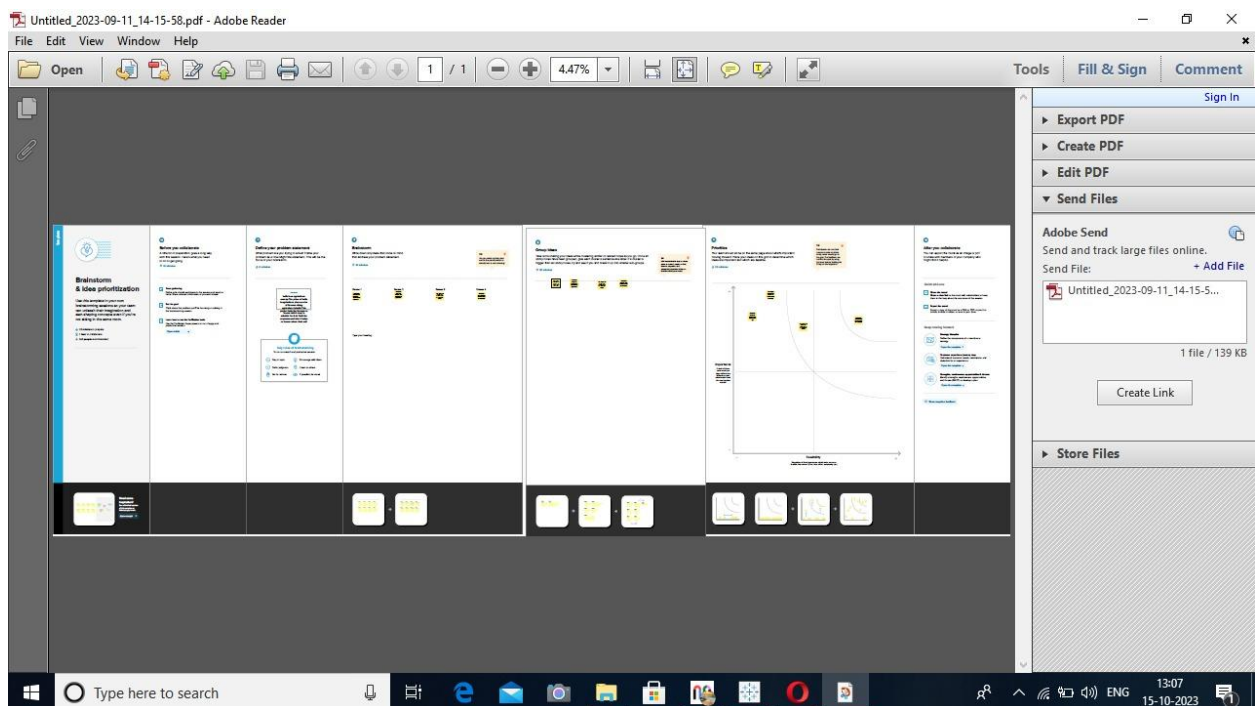
In this problem definition and design thinking we will see the ideation and thought of this topic through empathy and brainstorming map.

Empathy map:



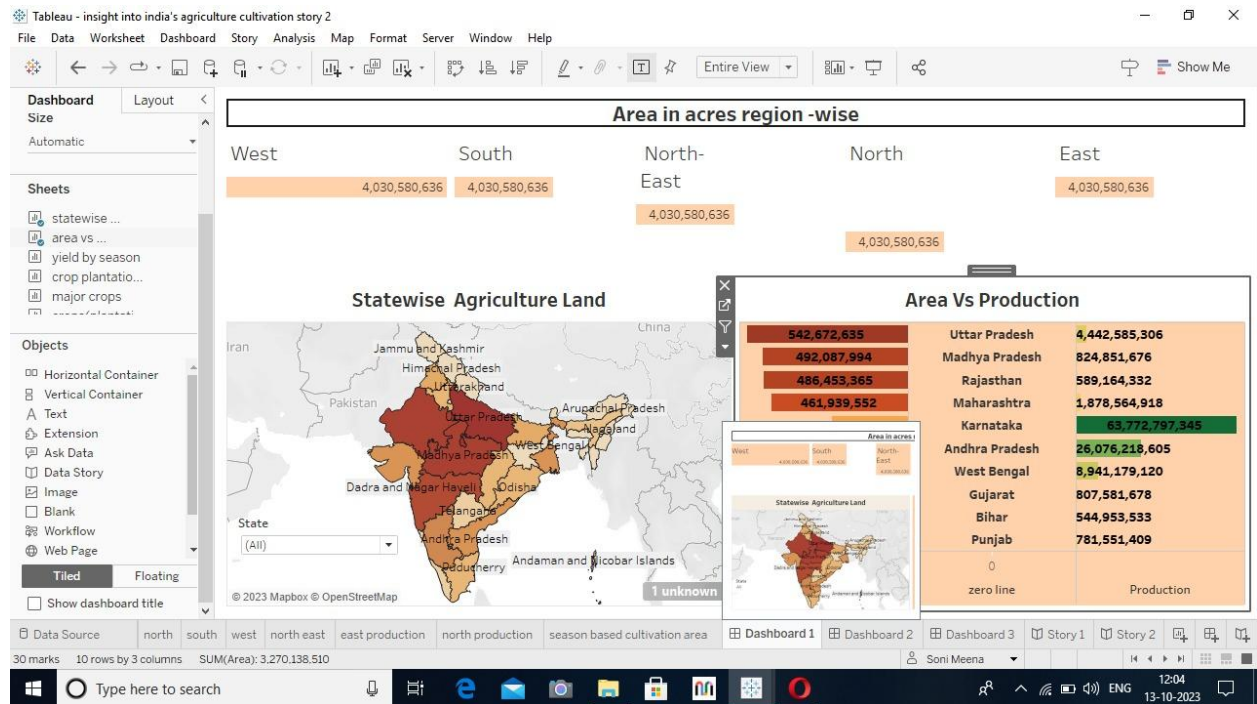
In this empathy map we saw the people thoughts, fear and frustration etc,

Brainstorming:

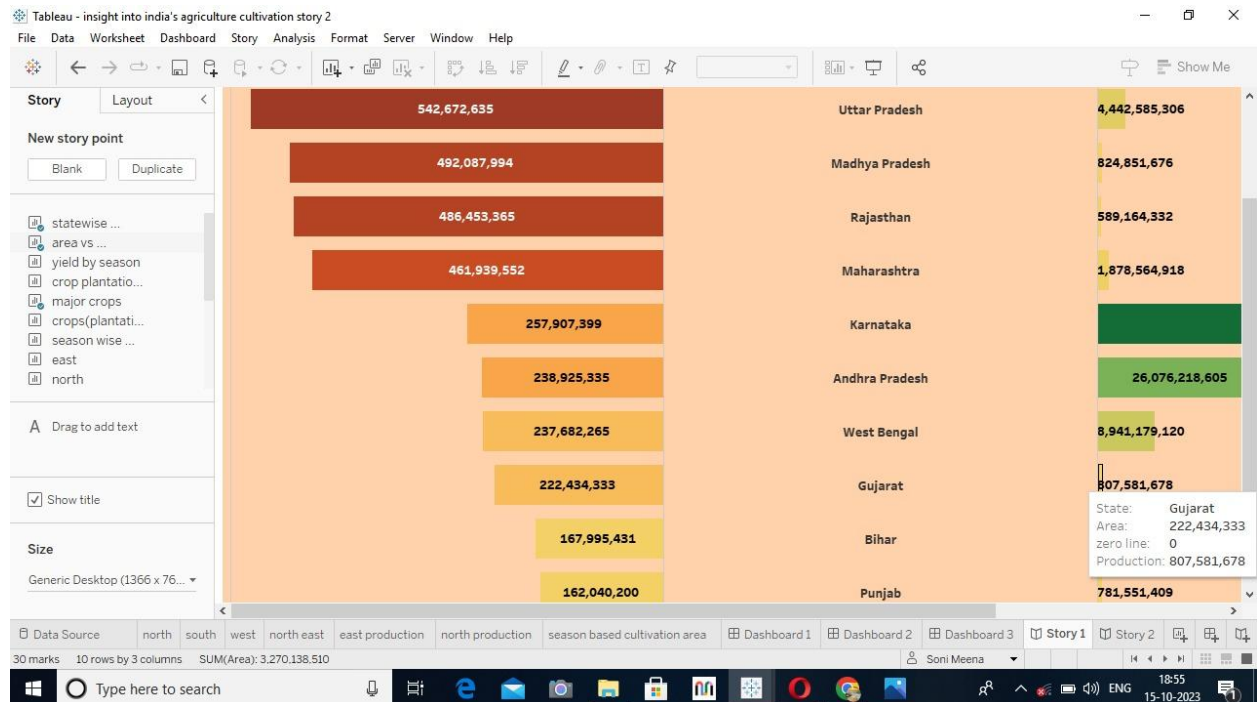


In this brainstorming ideation we saw the overall reasons for the determination.

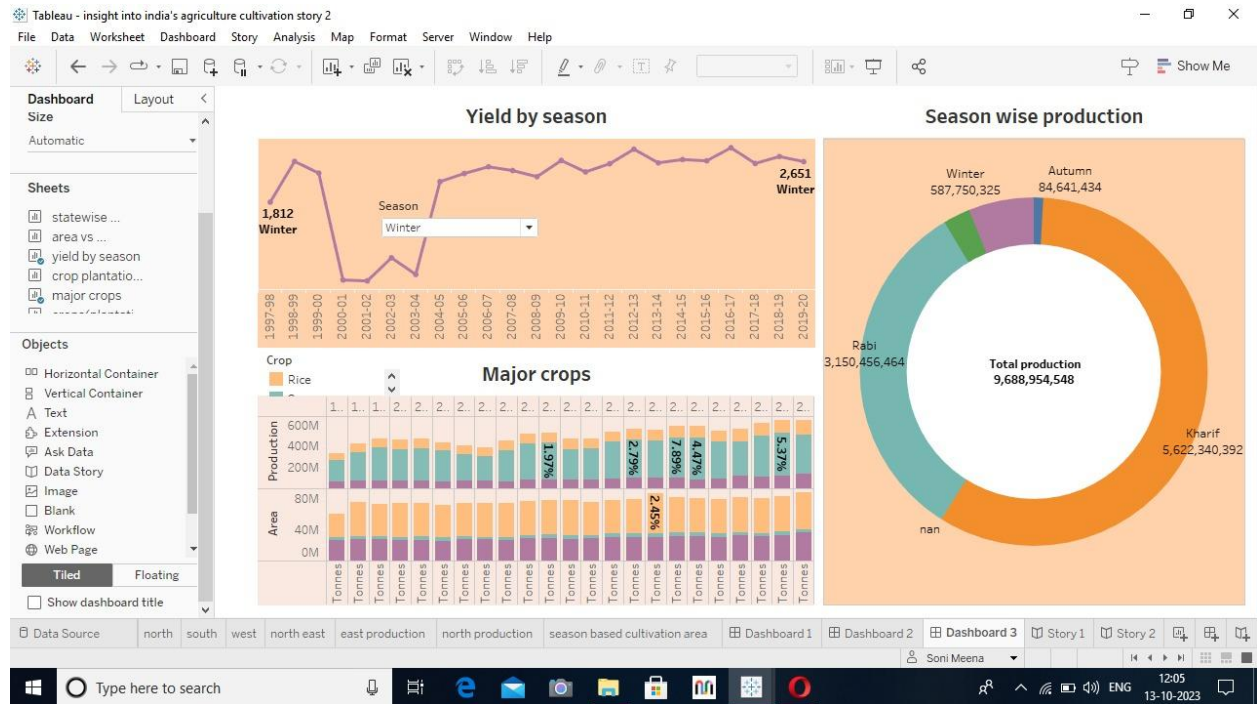
Result:



In the dashboard 3.1 we saw the location map of state wise crop production and area vs production in bar chart.

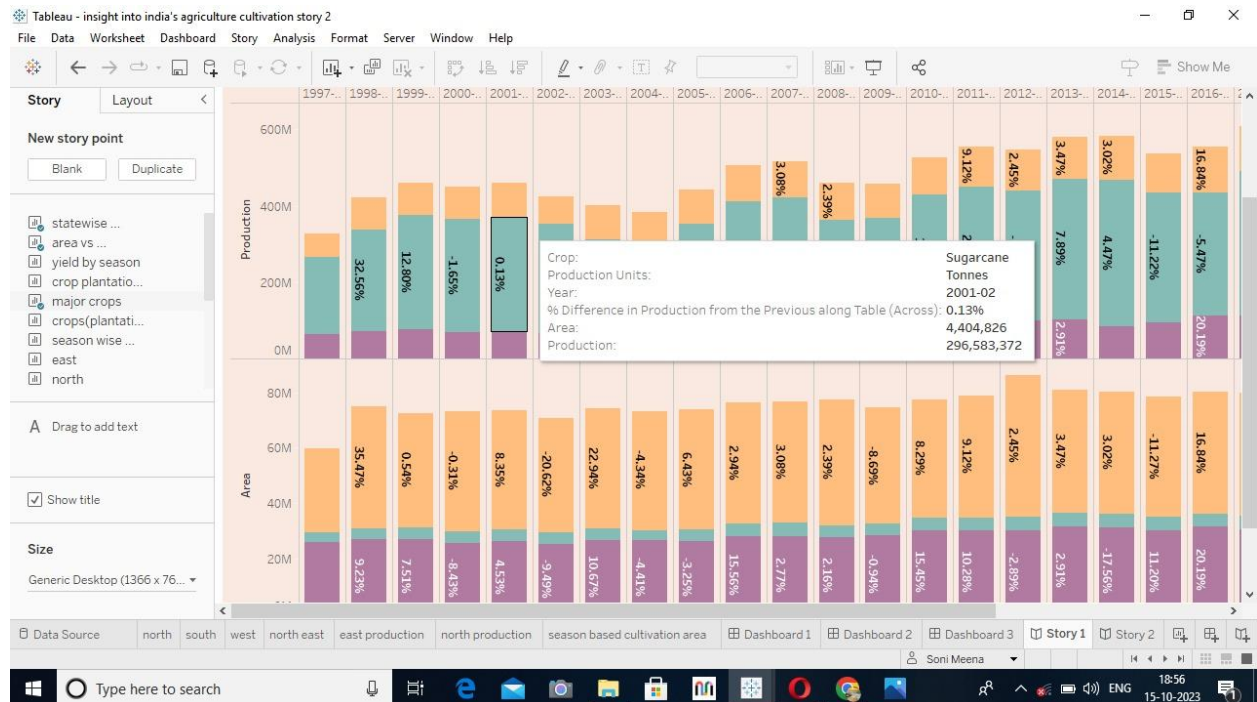


In this above dashboard 3.2 we saw the season based cultivation area, crop production by area and crop plantation by count.



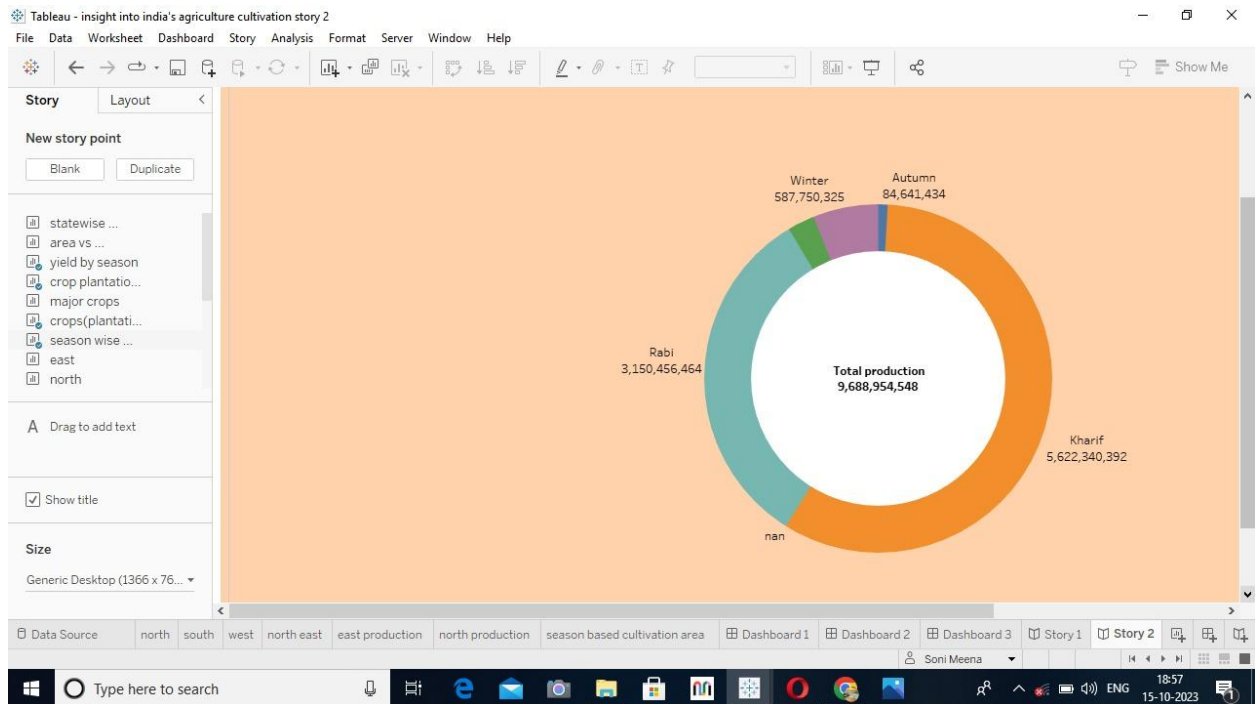
In this above dashboard 3.3 we saw the yield by season, major crop, season wise production.

Story 1:



1. This India map is showing the state wise crop production next.
2. This horizontal bar is showing the area vs production field.
3. This line chart is showing the season base cultivation area.
4. This shows the major crop production.

Story 2:



1. This shows the crop production by area in bubble chat.
2. This shows the yield by season in line chart.
3. This shows the crop production by count text format.
4. This shows the season wise production in circle format.

Advantages & Disadvantages:

Advantages:

- Supporting livelihoods through food, habitat and jobs.
- Providing raw materials for food and other products.
- Building strong economics through trade.

Disadvantages:

- Erosion of soil by heavy rain, floods, insufficient vegetation cover etc, reduces farm productivity.

- Inadequate irrigation facilities and poor management of water resource have led to a great decline in agricultural productivity.

Conclusion:

Agricultural policies must be flexible enough to accommodate further changes. The basic building blocks, including land and work force, must be preserved and allowed to response to advances in technology when an opportunity arises, the land and personal must be there to seize on it.