

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

1). INTRODUCTION:

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.

1.1 Overview:

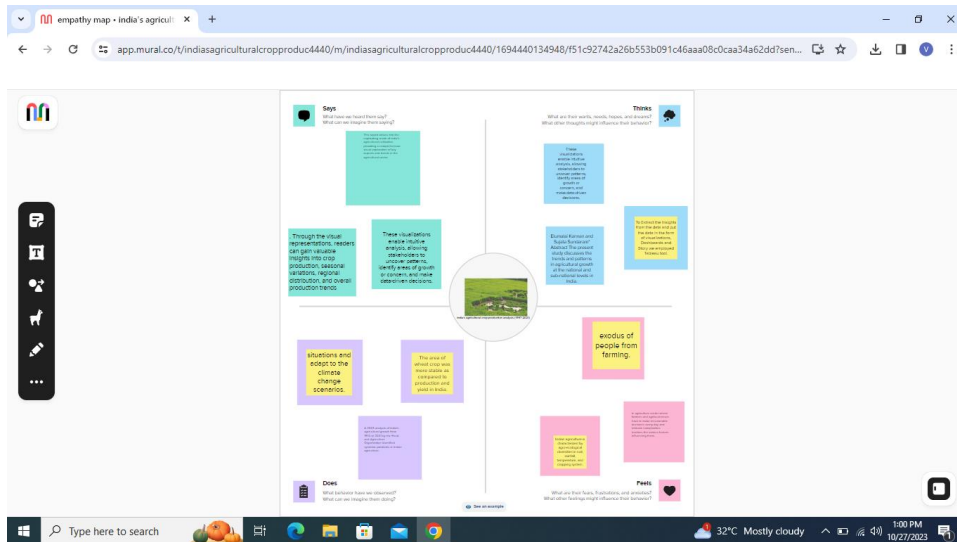
By harnessing the power of Tableau, this report not only presents the data in a visually appealing manner but also provides an interactive experience for readers to explore the intricacies of India's agricultural cultivation. To Extract the Insights from the data and put the data in the form of visualizations, Dashboards and Story we employed Tableau tool.

1.2 Purpose:

In 2013, India contributed 25% to the world's pulses production, the highest for any one country, 22% to the rice production and 13% to the wheat production. It also accounted for about 25% of the total quantity of cotton produced, besides being the second highest exporter of cotton for the past several years.

2).Problem Definition & Design Thinking:

2.1 Empathy Map:



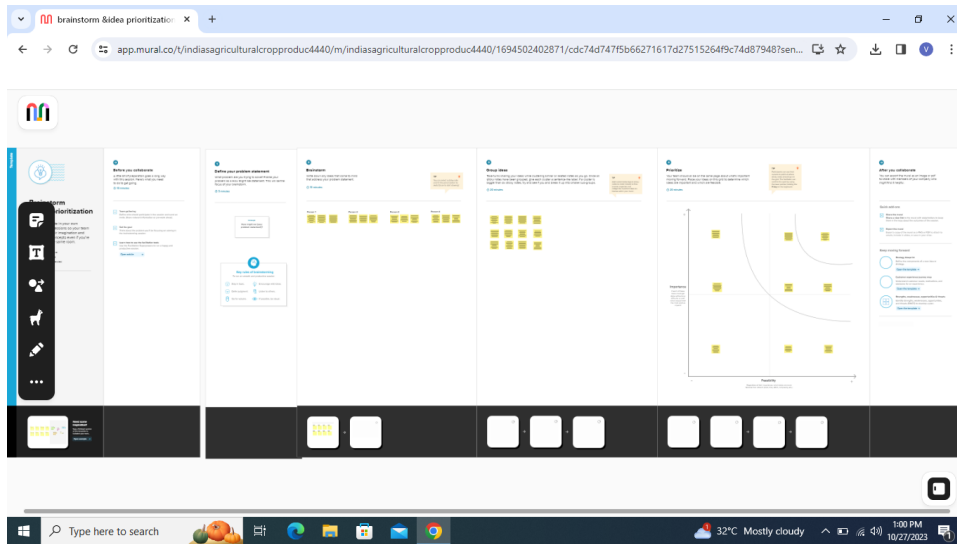
*An Empathy Map consists of four quadrants. The four quadrants reflect four key traits, which the user demonstrated/possessed during the observation/research stage. The four quadrants refer to what the user: Said, Did, Thought, and Felt.

Examble:

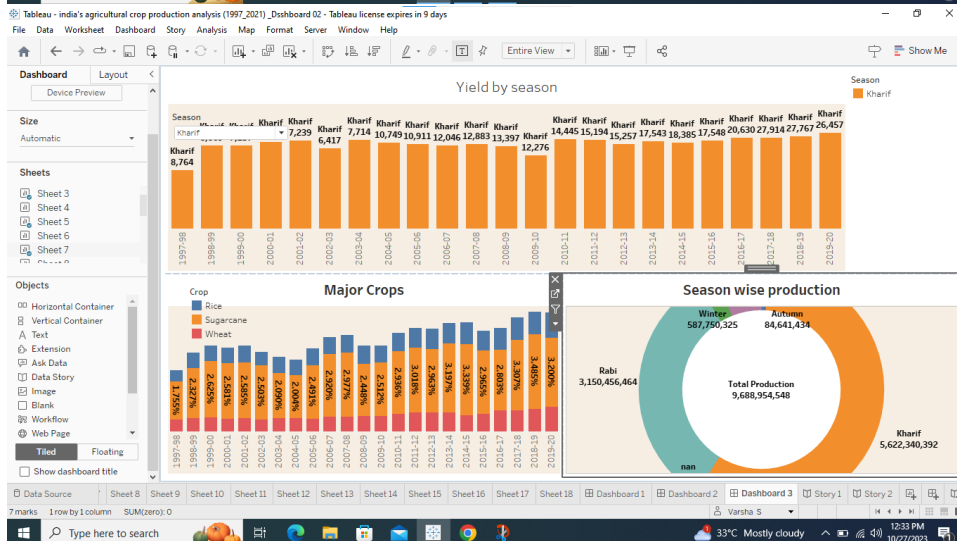
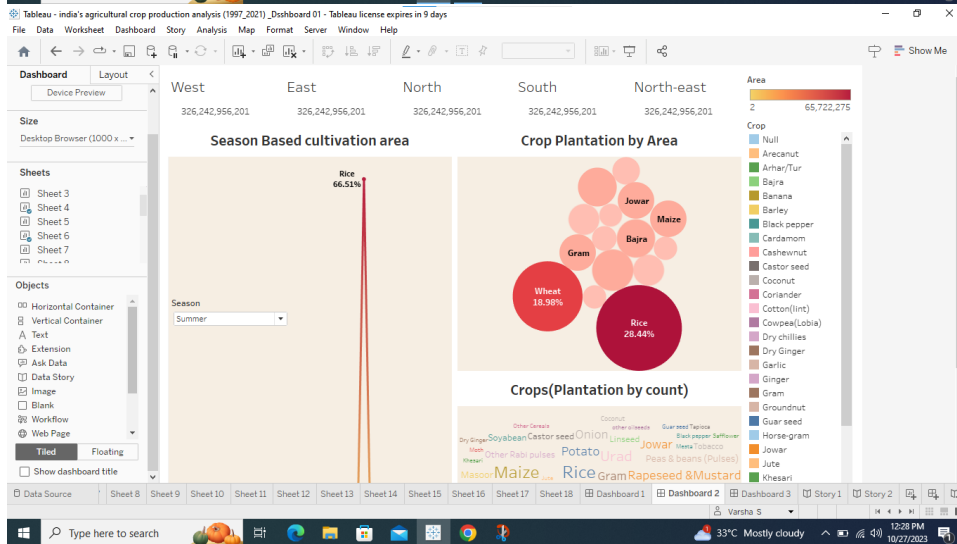
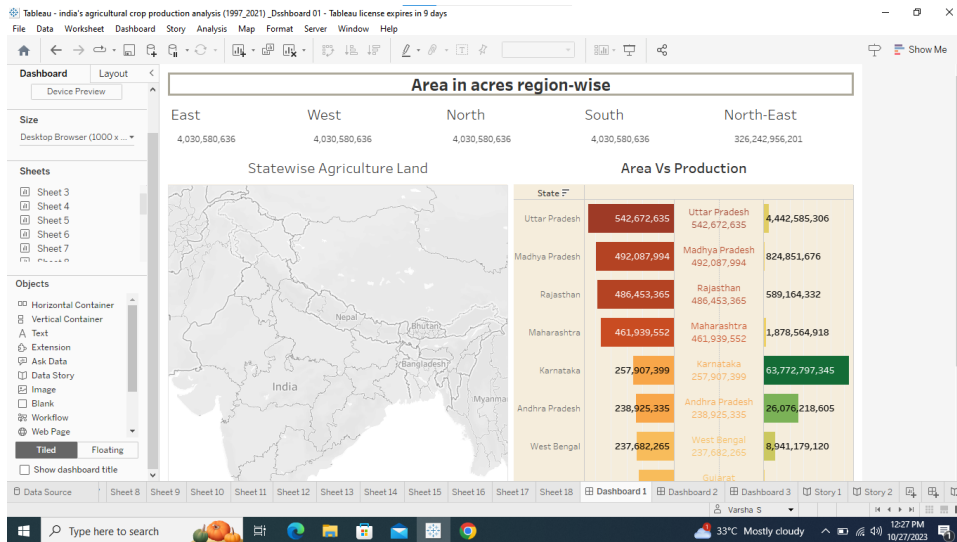
* For example, you likely smile and take the trouble to remember people's names: that's empathy in action. Giving people your full attention in meetings, being curious about their lives and interests, and offering constructive feedback are all empathic behaviors, too.

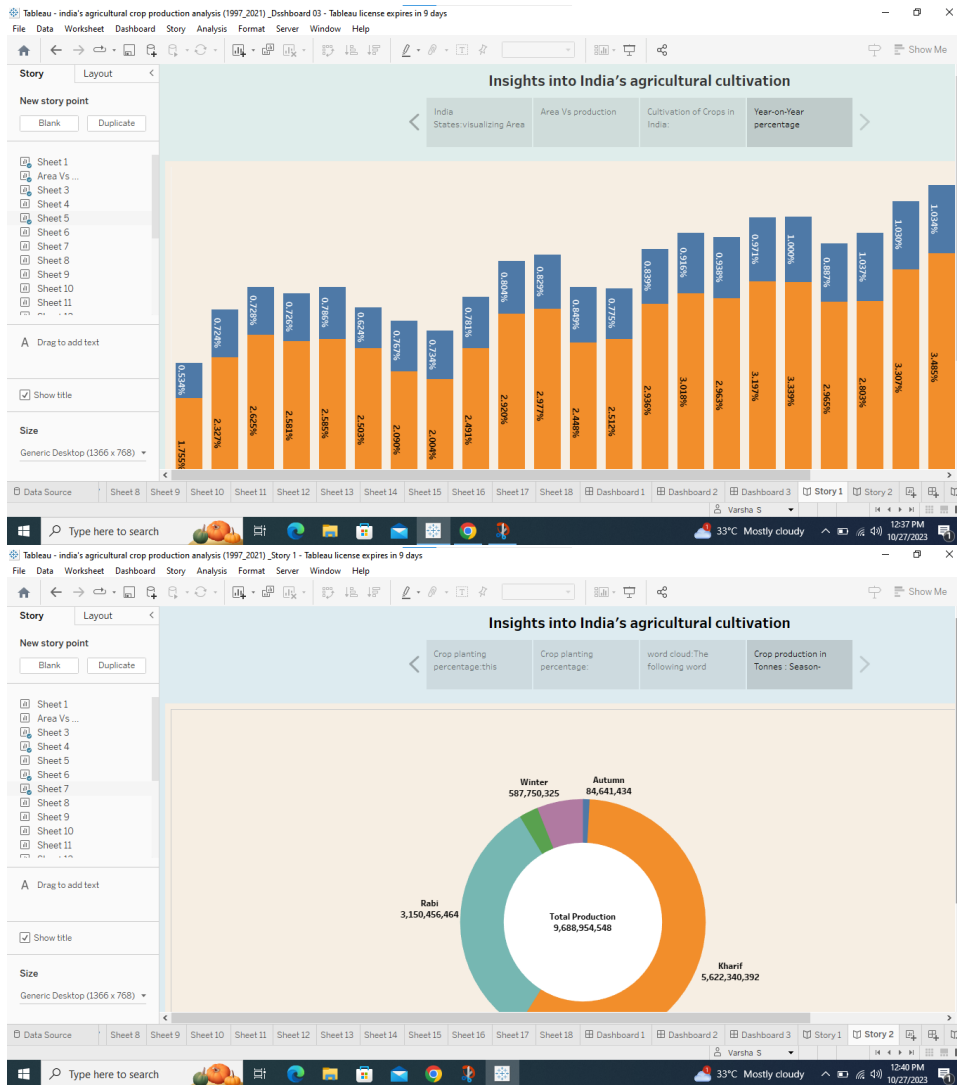
2.2 Ideation & Brainstorming Map:

* Ideation is often closely related to the practice of brainstorming, a specific technique that is utilized to generate new ideas. A principal difference between ideation and brainstorming is that ideation is commonly more thought of as being an individual pursuit, while brainstorming is almost always a group activity.



3)RESULT:





4)ADVANTAGES & DISADVANTAGES:

- It provides employment opportunity to the rural agricultural as well as non-agricultural labourers. It is the source of food and fodder. It also plays an important role in international business in import and export activities.
- Pros: Lots of food; Less danger than hunting. Cons: Conflicts over access to food supply; Weather might damage crops. Pros: Specialization allowed humans to become experts through the development of artists, leaders, scribes; Domestication of wheat, corn, and rice; Agriculture lead to the creation of civilization.
- Agriculture impacts society in many ways, including: supporting livelihoods through food, habitat, and jobs; providing raw materials for food and other products; and building strong economies through trade.

5)APPLICATIONS:

- It is sustainable.
- It makes efficient use of resources.
- Pest and disease control.
- Multi cropping with legumes can improve the soil quality by fixing nitrogen into the soil.
- It encourages biodiversity.
- The risk of total.

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.

7)FUTURE SCOPE:

- There is a tremendous scope for agriculture because food & food products are indispensable for the survival of humanity. It's a recession proof industry because when every industry is downsizing the demand for food crops is on a rise underlining the need for agricultural productivity.