REPORT ON, “India’s Agricultural Crop Production Analysis(1997-2021)”

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.

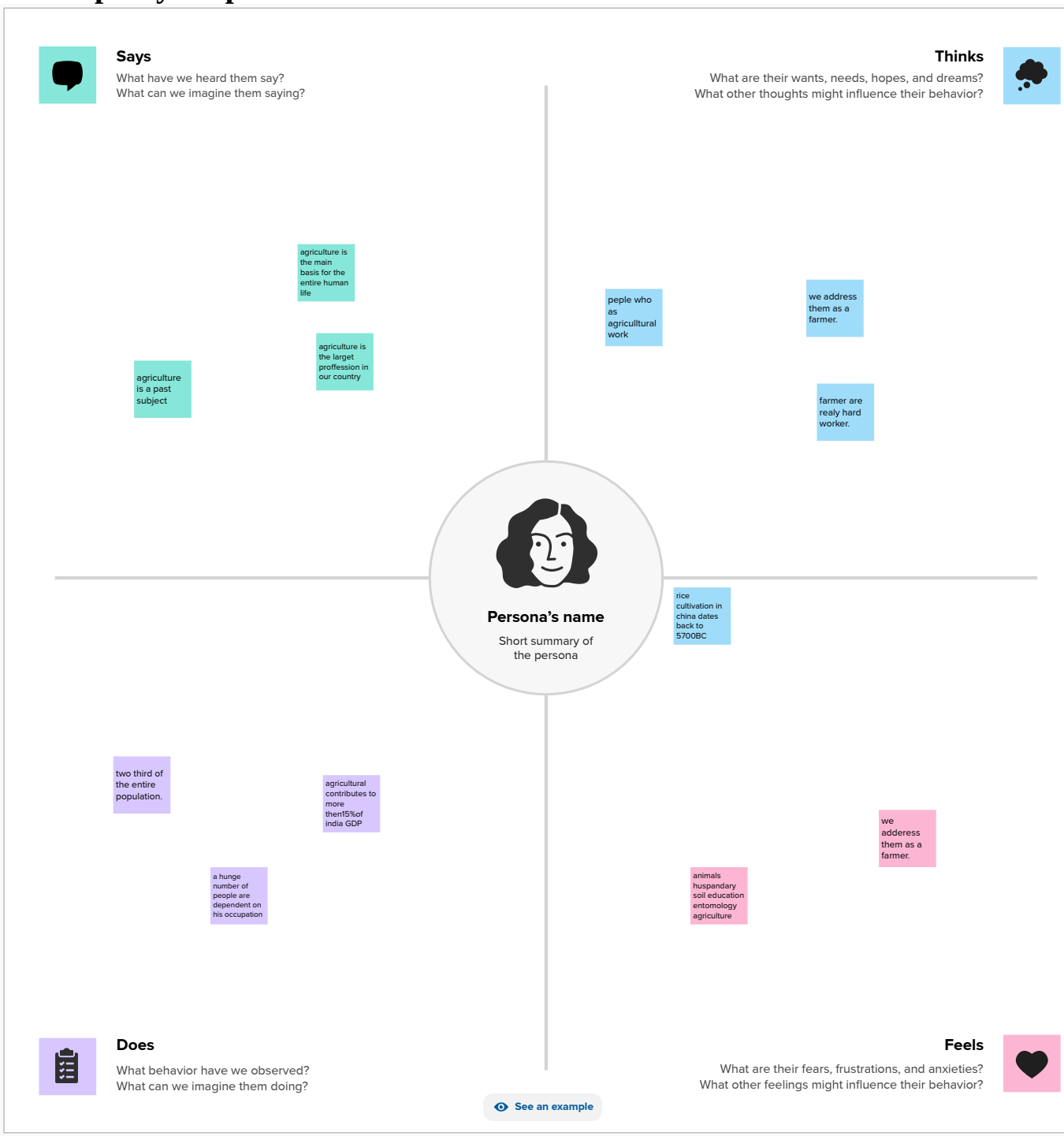
By harnessing the power of Tableau, this report not only presents the data in a visually appealing manner but also provides an interactive experience for readers to explore the intricacies of India's agricultural cultivation. To Extract the Insights from the data and put the data in the form of visualizations,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

Purpose

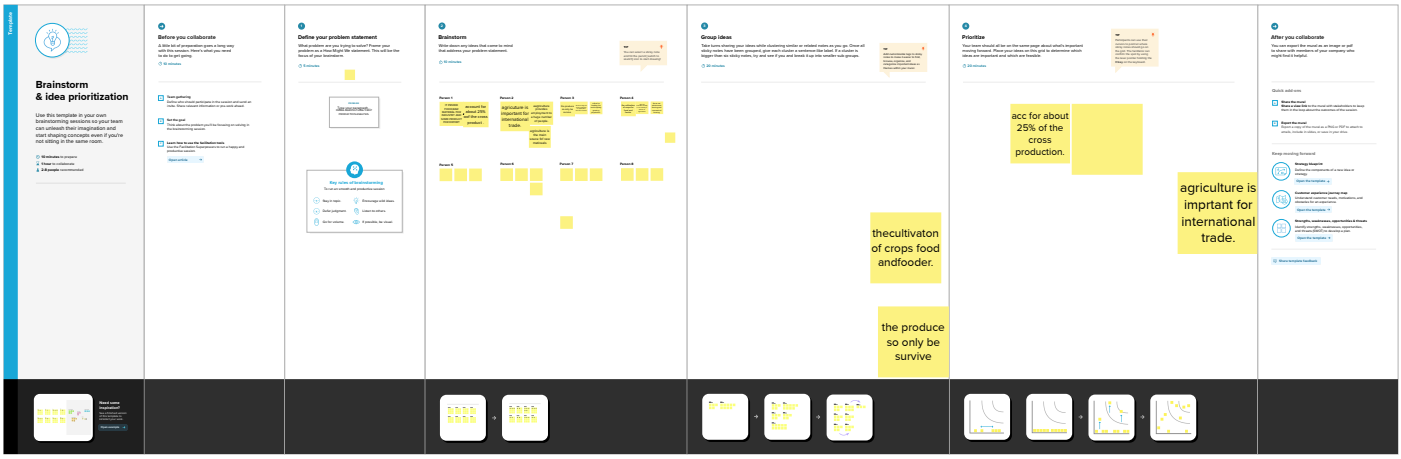
Social Impact: On the social front, agriculture serves as a vital source of livelihood for a large portion of the population, especially in rural areas. It plays a crucial role in ensuring food security and alleviating poverty by providing employment opportunities and income generation. Moreover, agricultural activities contribute to the overall socio-economic development of rural communities, fostering social cohesion and preserving cultural traditions.

Business Impact: From a business perspective, the agricultural sector plays a pivotal role in India's economy. It contributes to the country's GDP and serves as a source of raw materials for various industries, such as food processing, textile, and pharmaceuticals. The growth and productivity of the agricultural sector have direct implications for the overall economic performance and stability of the nation. Furthermore, advancements in agricultural practices and technology have the potential to enhance productivity, optimize resource utilization, and promote sustainable practices. This, in turn, can lead to increased profitability and competitiveness for agricultural businesses.

2.1 **Empathy Map**



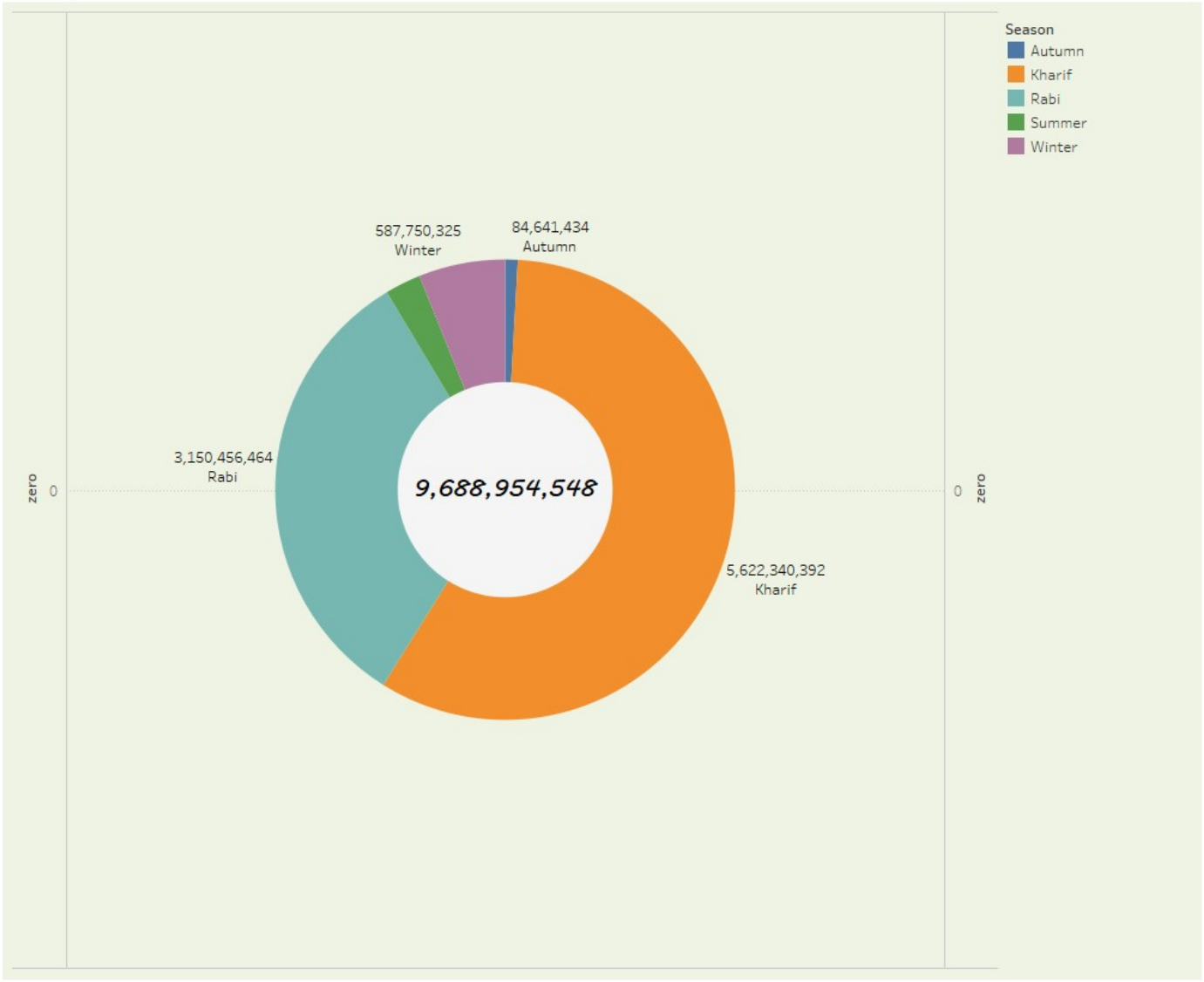
2.2 **Ideation & Brainstorming Map**

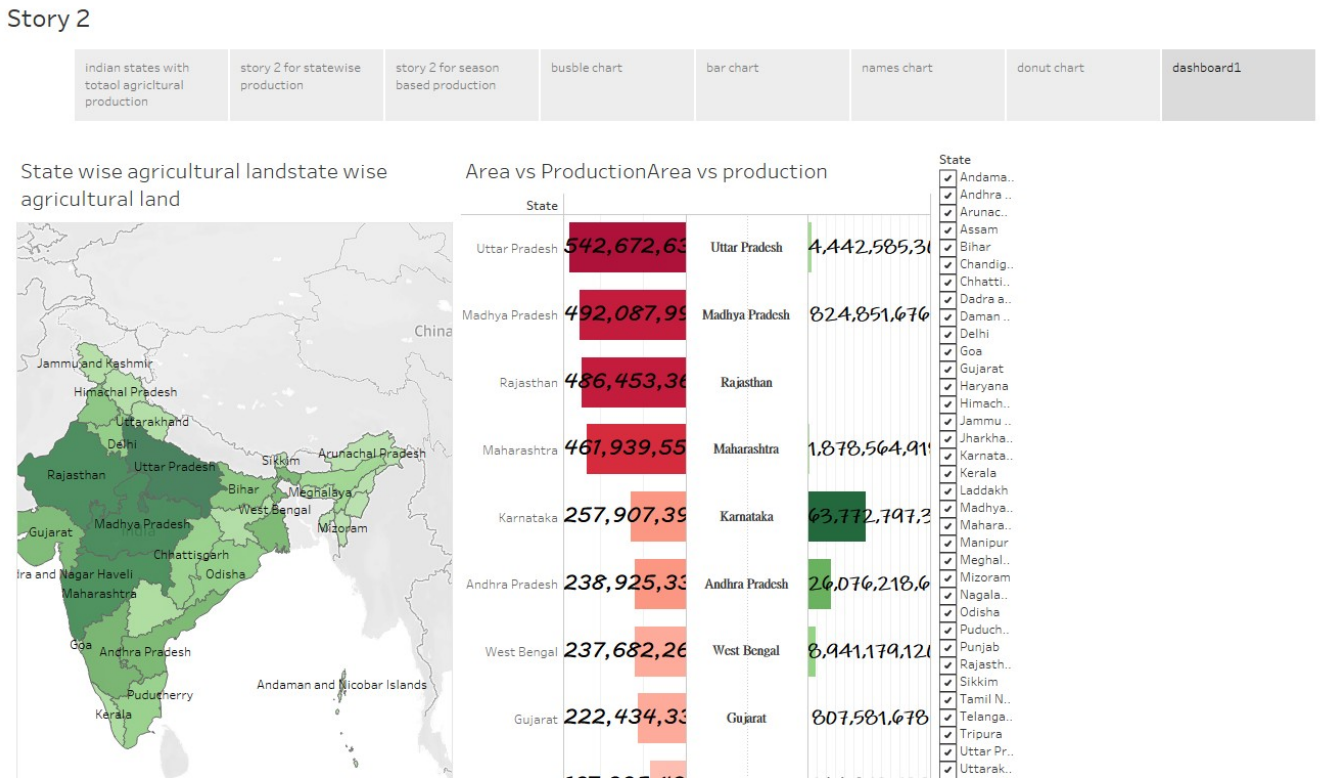


RESULT

Story 1

indian states visualising area | area vs production top | cultivation of crops in india in different seasons | year wise crop produnction of mass crops | major crops | all crops with major ocuping maximum size representation | dounout chart depicting total production in term of ..





Agriculture and food production are well studies and analysed and needs to be further tuned.
Better agricultural development is needed to support the ever growing population and human needs of humanity.

ADVANTAGES & DISADVANTAGES

Advantages are that we will have a better and faster and reliable Food producing mechanism
And a major disadvantage is that we are more and more dependent on synthetic chemicals for fertilisers and that could lead to mass health issues in future popuations.

APPLICATIONS

Tableau can be used to analyst many data and a powerful tool.

CONCLUSION

we were able to study and analyse the project with the help of tableau and got good results and visualisations.

FUTURE SCOPE

Although tableau is a good software it is not free and we complete using only free trial and not easy to get student licence. There is not much future scope of tableau as better open source alternatives are available for free and better features.