

PROJECT REPORT

INDIA'S AGRICULTURAL CROP PRODUCTION ANALYSIS

I-INTRODUCTION

1.1 Overview

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

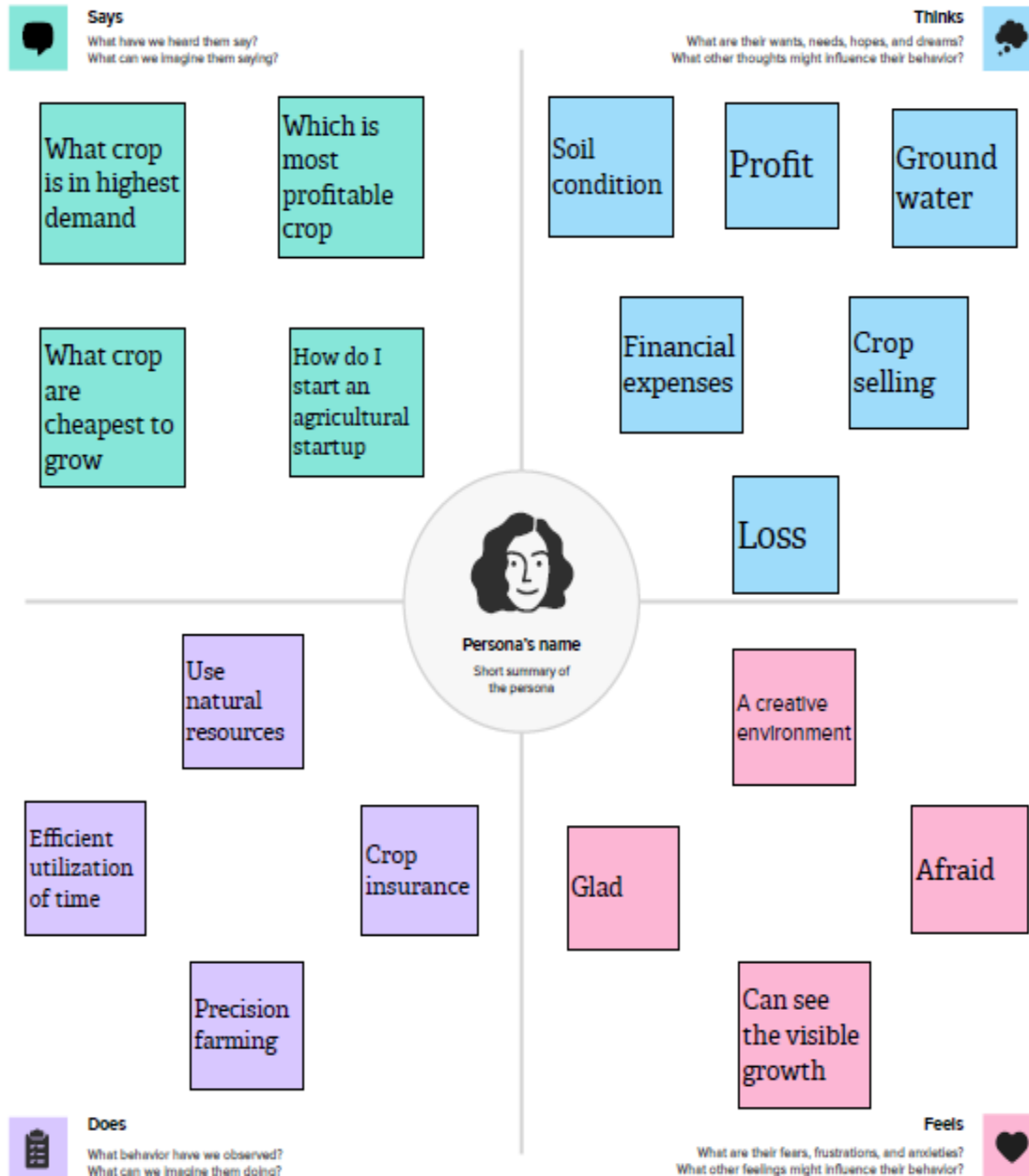
1.2 Purpose

In this project we analyse the Indian agriculture crop production for data collected from (1997-2021). Get production and area satisfies and understand more on Indian agriculture history for crop production.

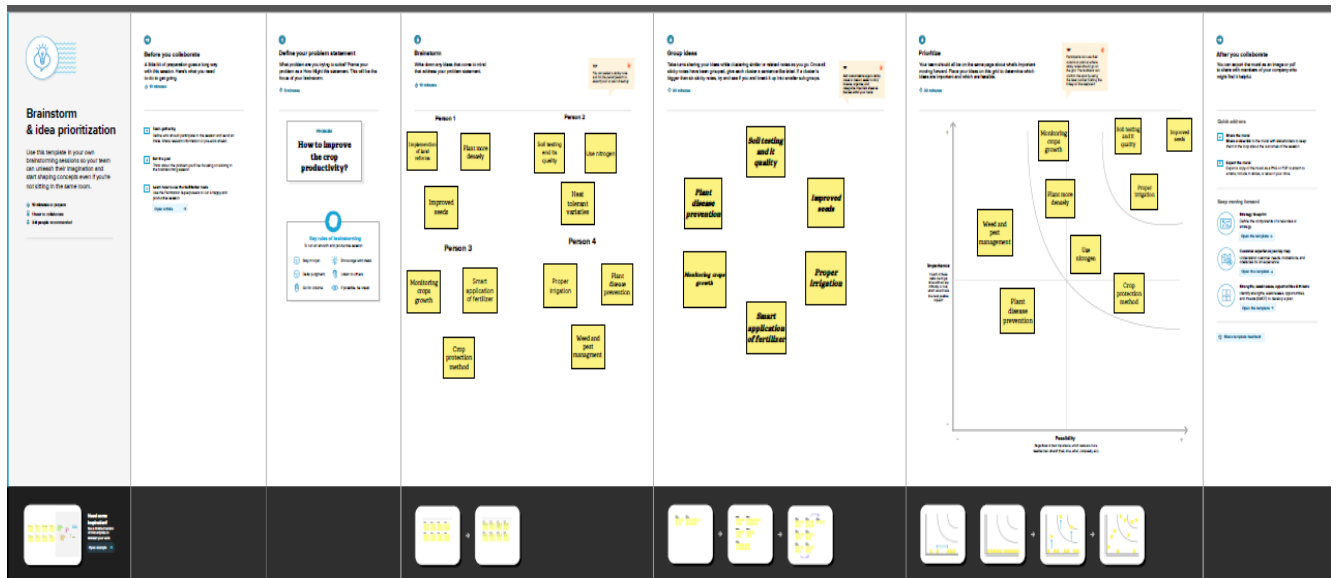
Crop production is one of the fundamental branches of agriculture. Crop production is the basis for providing the livestock industry with feed and the population with food. Also, crop products are used in many industries as raw materials of plant origin, such a food, textile, pharmaceutical, fuel and others

2.PROBLEM DEFINITION & DESIGN THINKING

2.1 EMPATHY MAP



2.2 IDEATION & BRAINSTORMING MAP



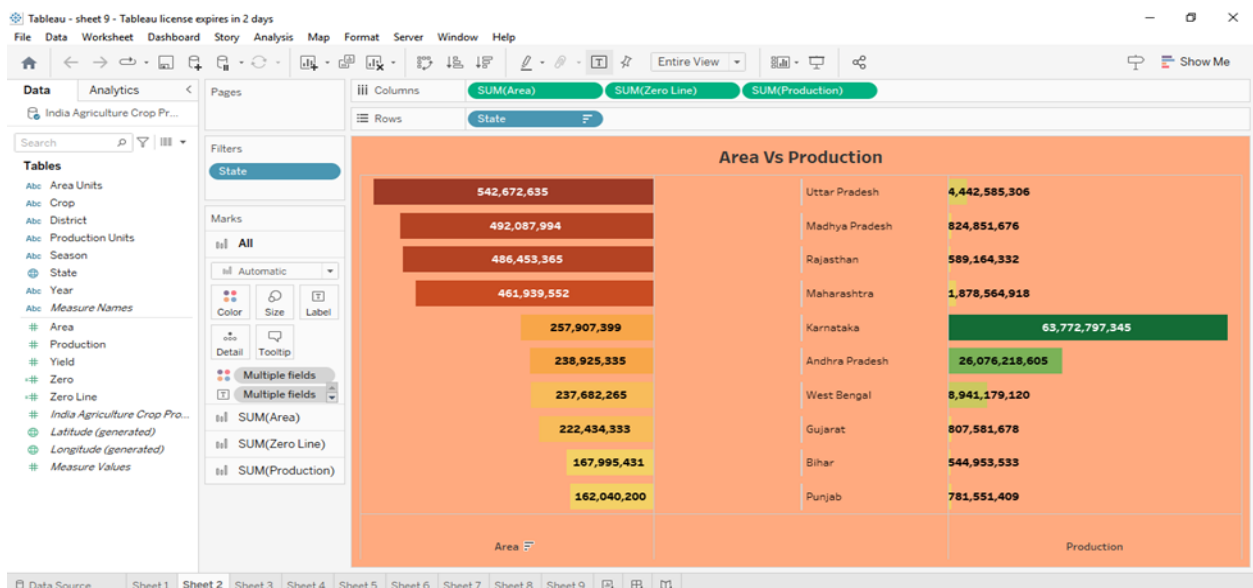
3.RESULT

3.1 Social impact

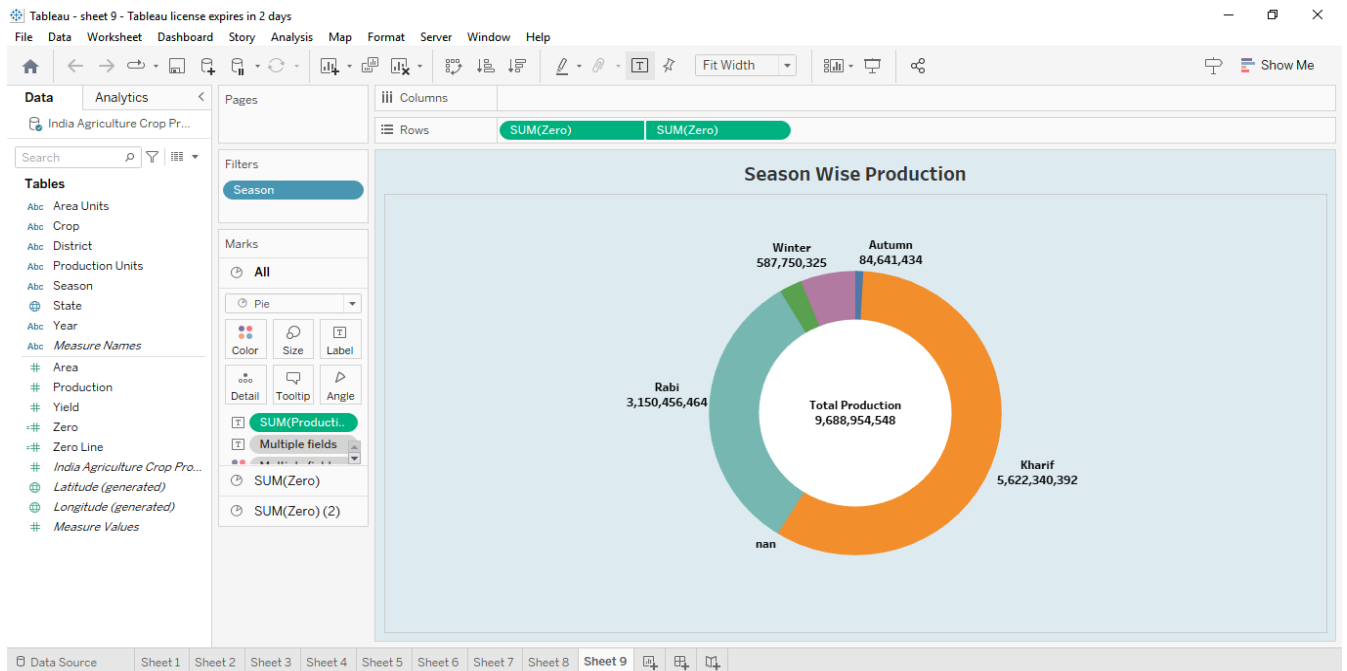
Impact of Agriculture: Agriculture plays a vital role in the global economy, providing food and other products for people worldwide. It is also an important source of income and survival for many people, particularly in rural areas. It affects environmental factors such as climate change on food security.

3.2 ACTIVITY AND SCREENSHOT

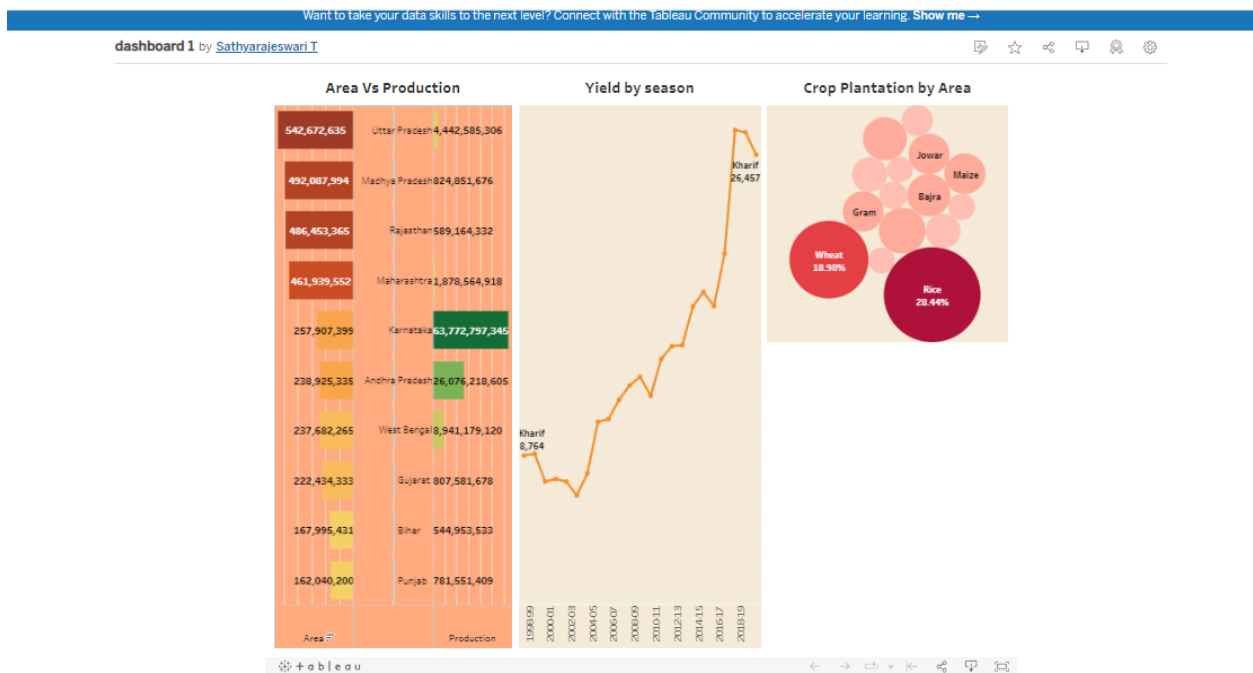
Sheet 2



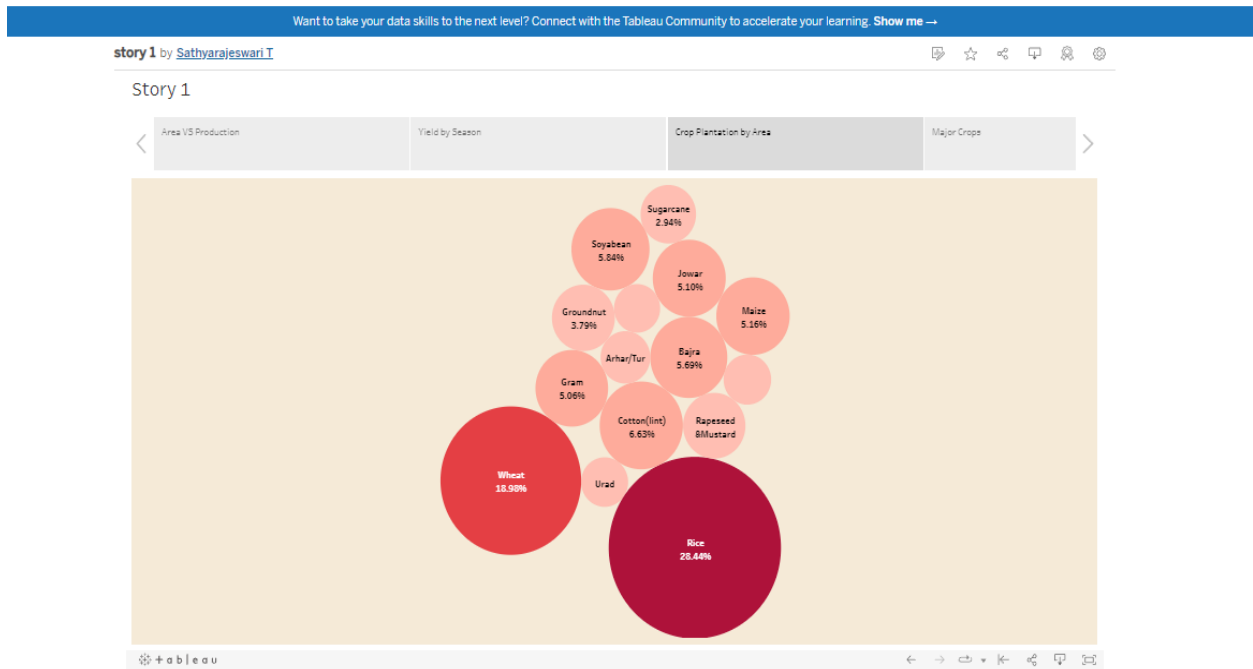
Sheet-9



DASHBOARD 1



STORY



4. TEAM DETAILS

Team Lead - T.Sathyarajeswari

Team Member 1- P.Sangeetha

Team Member 2- V.Padhmasri

Team Member 3- S.Sowmiya Devi

5. ADVANTAGES & DISADVANTAGES

ADVANTAGES:

- ❖ The soil is utilized properly
- ❖ Improving crop productivity
- ❖ Lower production costs and crop variety

DISADVANTAGES:

- ❖ Attacked by pests and disease's
- ❖ Weather and climate may affect crop productivity
- ❖ No diversification of farm produce

6. APPLICATION

- ❖ Agricultural land monitoring
- ❖ Crop area estimations
- ❖ Cropping system analysis
- ❖ Soil mapping and monitoring

7. CONCLUSION

We found that agriculture is backbone of India. It should be important for all living things. Crop production analysis is the great effort to analyse the difficulties in agriculture and farmers.

8. FUTURE SCOPE

Today agricultural has become an emergency sector with latest trends. The new technologies and new strategies which become higher with time

APPENDIX

SOURCE CODE- DASHBOARD

https://public.tableau.com/views/dashboard1_16960573405810/Dashboard1?:language=en-US&:display_count=n&:origin=viz_share_link

https://public.tableau.com/views/dashboard2_16960573964320/Dashboard2?:language=en-US&:display_count=n&:origin=viz_share_link

SOURCE CODE- STORY

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