PROJECT REPORT

INDIA'S AGRICULTURAL CROP PRODUCTION ANALYSIS
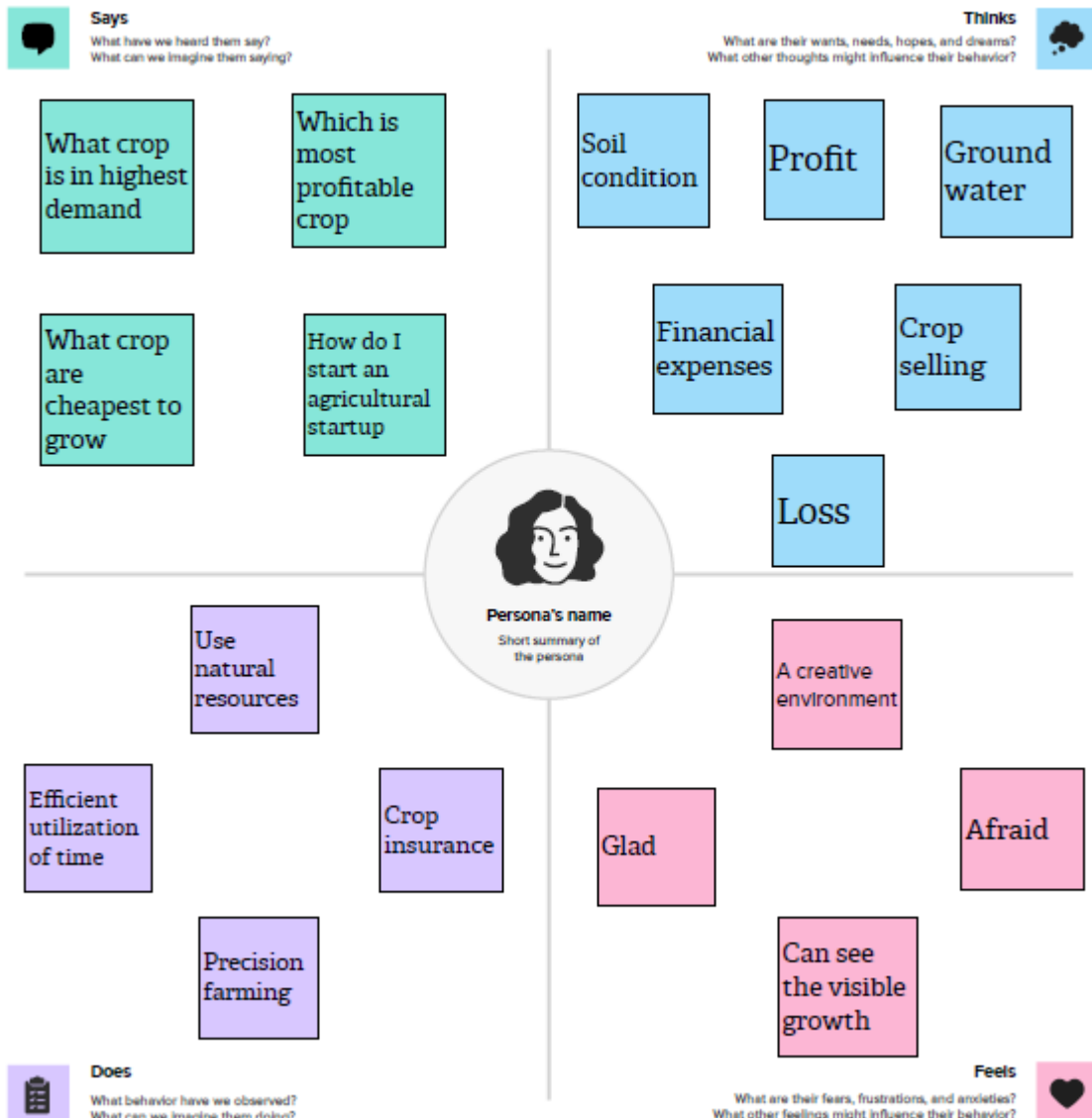
I-INTRODUCTION

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
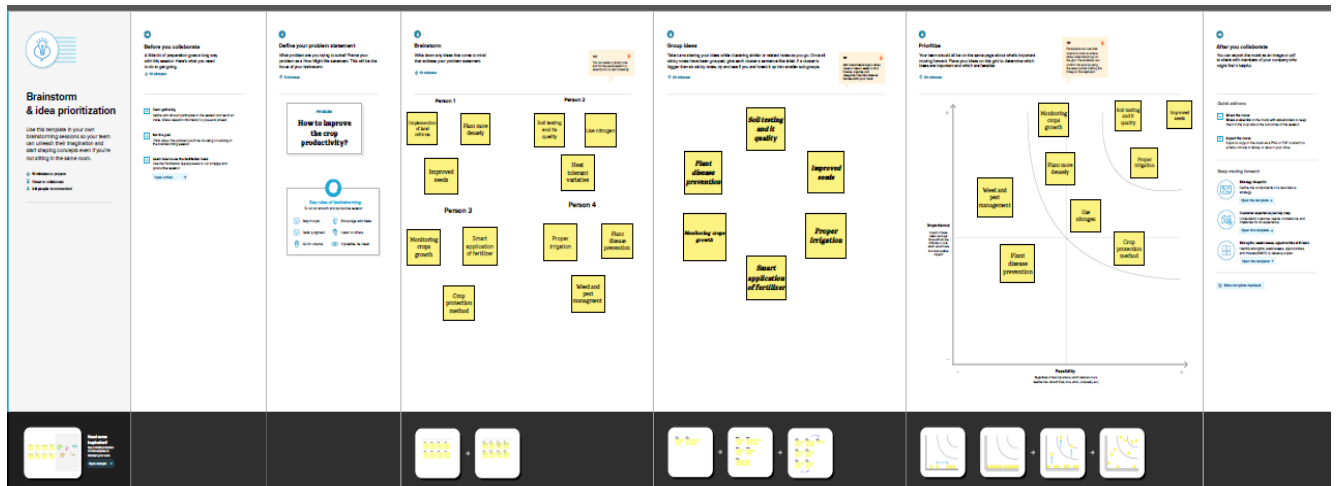
1.2 Purpose

2.PROBLEM DEFINITION & DESIGN THINKING

2.1 EMPATHY MAP

Says
What have we heard them say?
What can we imagine them saying?

Thinks
What are their wants, needs, hopes, and dreams?
What other thoughts might influence their behavior?

What crop is in highest demand

Which is most profitable crop

Soil condition

Profit

Ground water

What crop are cheapest to grow

How do I start an agricultural startup

Financial expenses

Crop selling

Loss

Persona's name
Short summary of the persona

Use natural resources

A creative environment

Efficient utilization of time

Crop insurance

Glad

Afraid

Precision farming

Can see the visible growth

Does
What behavior have we observed?
What can we imagine them doing?

Feels
What are their fears, frustrations, and anxieties?
What other feelings might influence their behavior?

2.2 IDEATION & BRAINSTORMING MAP

3.RESULT

3.1 Social impact

3.2 ACTIVITY AND SCREENSHOT

Sheet-2

Sheet-9

DASHBOARD 1

STORY

story 1 by Sathyarajeswari T

Story 1

| Area VS Production | Yield by Season | Crop Plantation by Area | Major Crops |

Sugarcane
2.94%

Soyabean
5.84%

Jowar
5.10%

Groundnut
3.79%

Maize
5.16%

Arhar/Tur

Bajra
5.69%

Gram
5.06%

Cotton(lint)
6.63%

Rapeseed
&Mustard

Wheat
18.98%

Urad

Rice
28.44%

+ableau
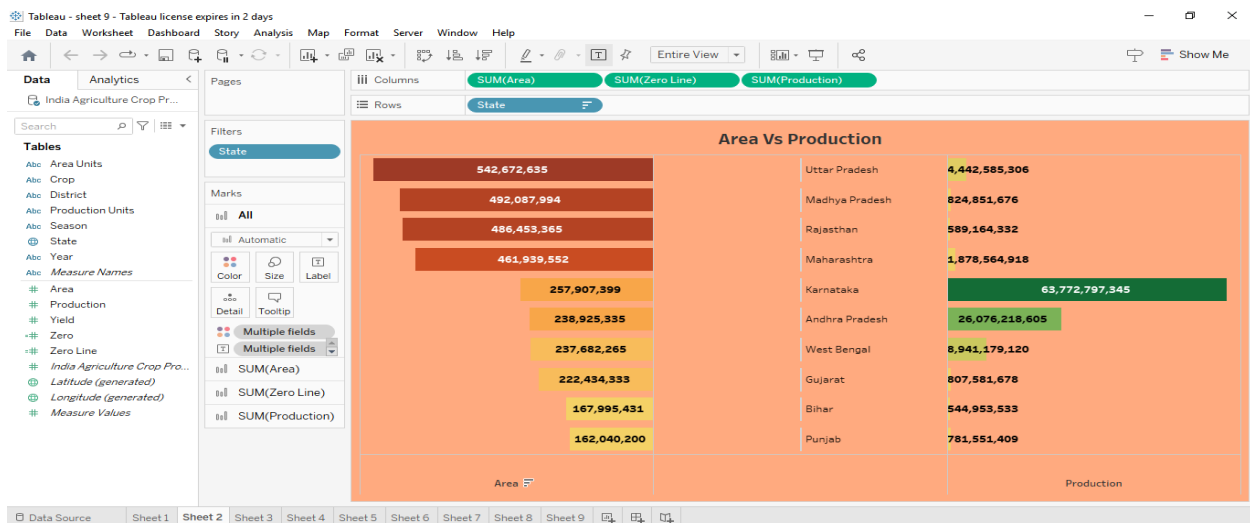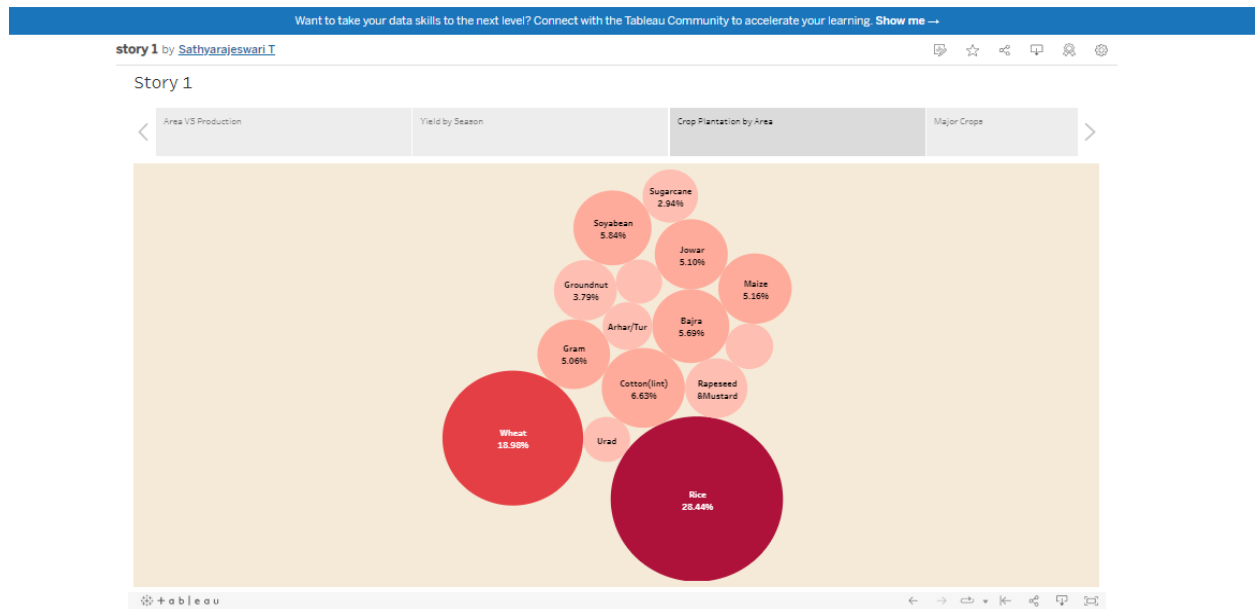
4 TEAM DETAILS

Team Lead - T.Sathyarajeswari

Team Member 1- P.Sangeetha

Team Member 2- V.Padhmasri

Team Member 3- S.Sowmiya Devi

5 ADVANTAGES & DISADVANTAGES

ADVANTAGES: