WELCOME TO SMART INTERNTZ

DATA LITERACY WITH TABLEAU

Project Title:

India’s agricultural crop production analysis (1997- 2021)

TEAM PROFILE:

- NM TEAM ID – NM2023TMID14157
- TEAM LEADER – S. Ajith kumar.
- TEAM MEMBERS –

  A.Ajaykumar

  A.Ajay Prasanna

  M.Ajithkumar

Under the guidance of

Dr.M.sathiyamoorthy

M.Sc.,M.Tech.,ph.D.,

Assistant professor

UG&PG Department of mathematics,

Government Thirumagal Mills College,

Gudiyatham-632602

INTRODUCTION

1.OVER VIEW

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.

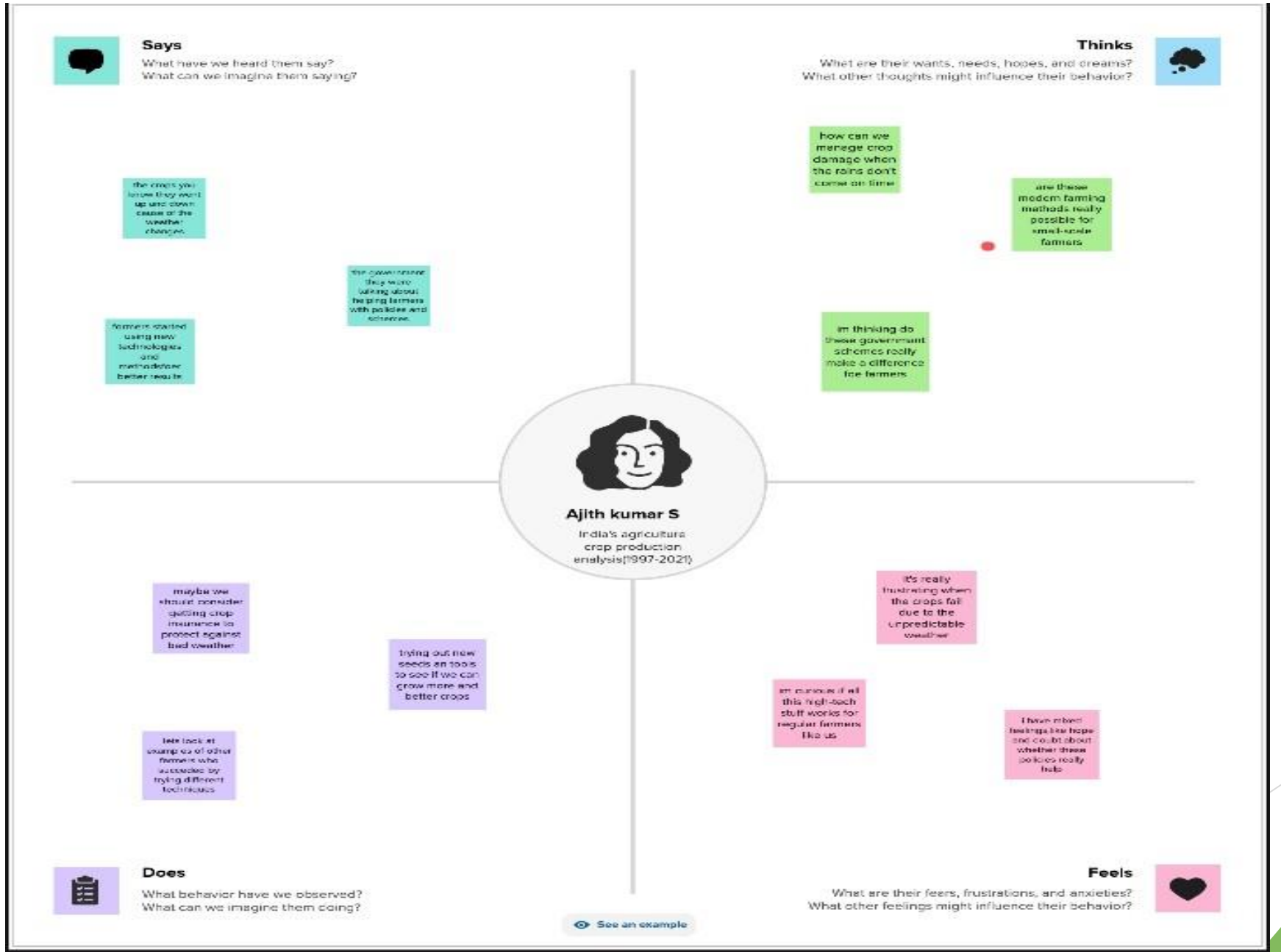
By harnessing the power of Tableau, this report not only presents the data in a visually appealing manner but also provides an interactive experience for readers to explore the intricacies of India's agricultural cultivation. To Extract the Insights from the data and put the data in the form of visualizations,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

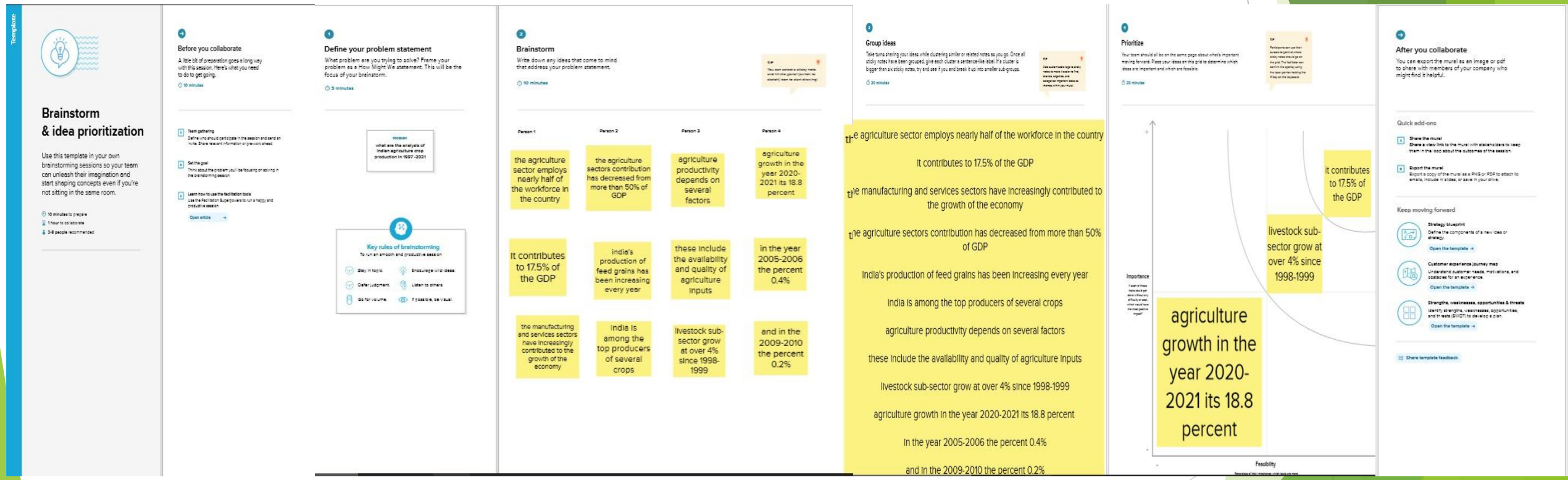
2. PURPOSE

- Problem Understanding, also known as Problem Definition or Problem Identification, is the initial and critical phase of any data analysis or problem-solving process.

- It involves gaining a clear and comprehensive understanding of the problem at hand, its context, scope, and objectives.

PROBLEM DEFINING & DESIGN THINKING




Template
Brainstorm
& idea prioritization
Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.
10 minutes to prepare
1 hour to collaborate
2-8 people recommended
Before you collaborate
A little bit of preparation goes a long way with this session. Here's what you need to do to get going.
10 minutes
Team gathering
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
Set the goal
Think about the problem you'll be focusing on solving in the brainstorming session.
Learn how to use the facilitation tools
Use the Facilitation Superpowers to run a happy and productive session.
Open article
1
Define your problem statement
What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.
5 minutes
PROBLEM
what are the analysis of indian agriculture crop production in 1997-2021
Key rules of brainstorming
To run an smooth and productive session
Stay in topic.
Encourage wild ideas.
Defer judgment.
Listen to others.
Go for volume.
If possible, be visual.
2
Brainstorm
Write down any ideas that come to mind that address your problem statement.
10 minutes
Person 1
Person 2
Person 3
Person 4
the agriculture sector employs nearly half of the workforce in the country
the agriculture sectors contribution has decreased from more than 50% of GDP
agriculture productivity depends on several factors
agriculture growth in the year 2020-2021 its 18.8 percent
It contributes to 17.5% of the GDP
india's production of feed grains has been increasing every year
these include the availability and quality of agriculture inputs
in the year 2005-2006 the percent 0.4%
the manufacturing and services sectors have increasingly contributed to the growth of the economy
India is among the top producers of several crops
livestock sub-sector grow at over 4% since 1998-1999
and in the 2009-2010 the percent 0.2%
3
Group ideas
Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.
20 minutes
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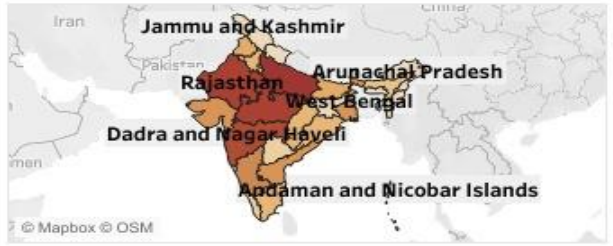
and in the 2009-2010 the percent 0.2%
4
Prioritize
Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.
20 minutes
it contributes to 17.5% of the GDP
livestock sub-sector grow at over 4% since 1998-1999
agriculture growth in the year 2020-2021 its 18.8 percent
Importance
Feasibility
After you collaborate
You can export the mural as an image or pdf to share with members of your company who might find it helpful.
Quick add-ons
Share the mural
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
Export the mural
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.
Keep moving forward
Strategy blueprint
Define the components of a new idea or strategy.
Open the template
Customer experience journey map
Understand customer needs, motivations, and obstacles for an experience.
Open the template
Strengths, weaknesses, opportunities & threats
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
Open the template
Share template feedback

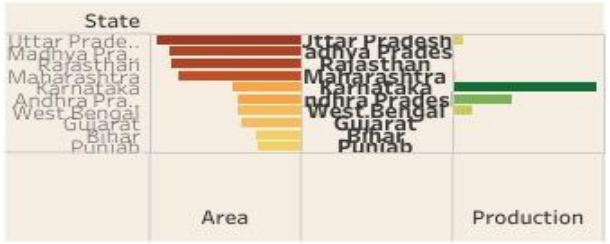
DEMO DASHBOARD

State wise Agricultural Land

State
All

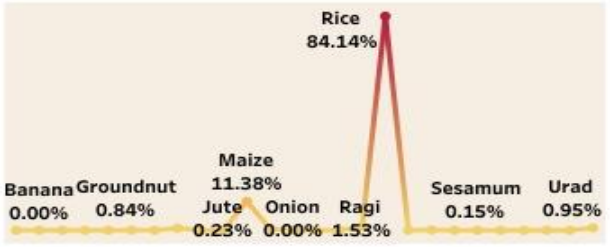


Area Vs Production



Season Based Cultivation Area

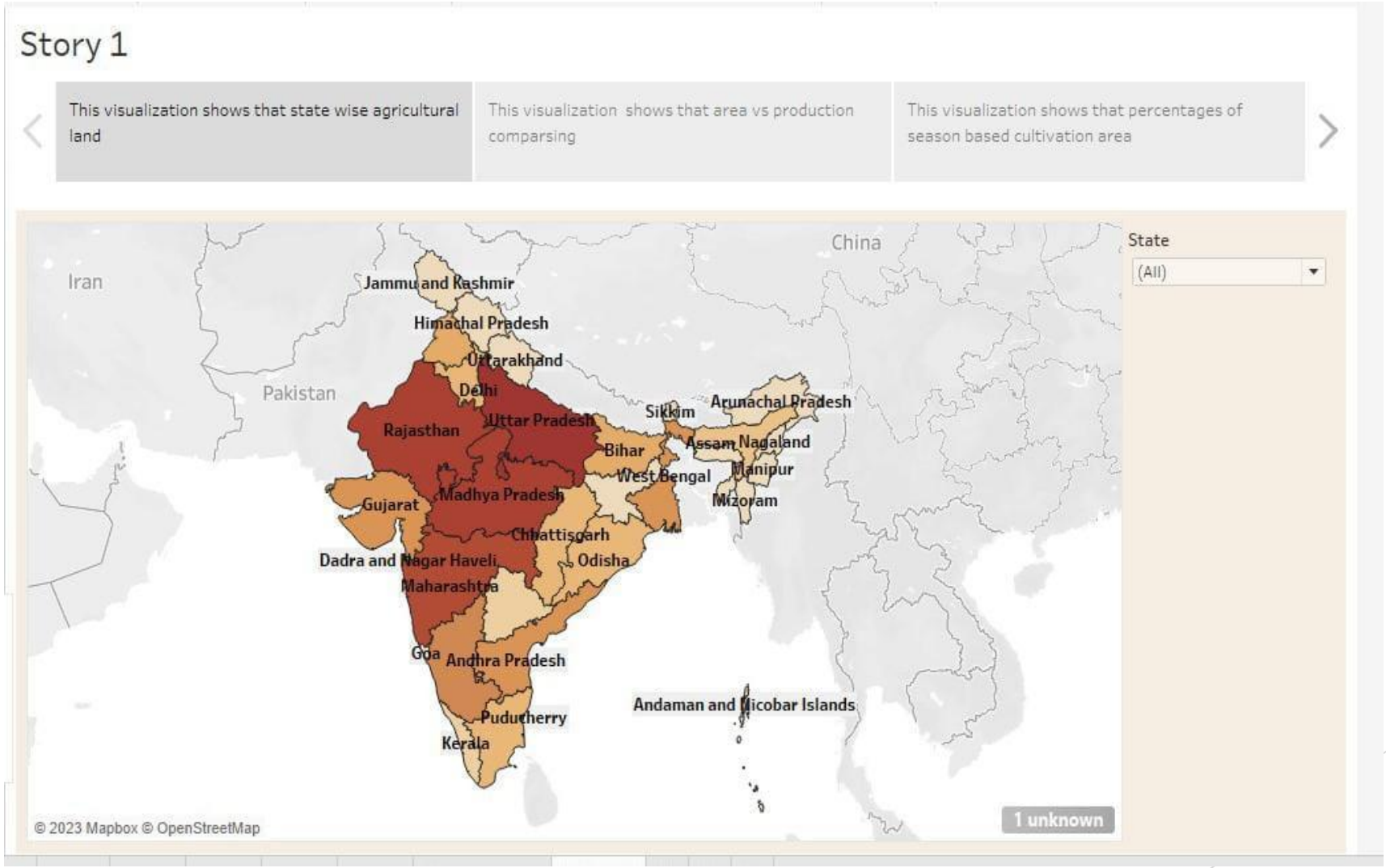
Season
Autumn



Yield By Season

Crop Plantation By Area

STORY


Story 1
This visualization shows that state wise agricultural land
This visualization shows that area vs production comparsing
This visualization shows that percentages of season based cultivation area
China
Iran
Pakistan
Jammu and Kashmir
Himachal Pradesh
Uttarakhand
Delhi
Rajasthan
Uttar Pradesh
Sikkim
Arunachal Pradesh
Assam
Nagaland
Bihar
Manipur
West Bengal
Mizoram
Madhya Pradesh
Gujarat
Chhattisgarh
Dadra and Nagar Haveli
Odisha
Maharashtra
Goa
Andhra Pradesh
Puducherry
Kerala
Andaman and Nicobar Islands
State
(All)
© 2023 Mapbox © OpenStreetMap
1 unknown

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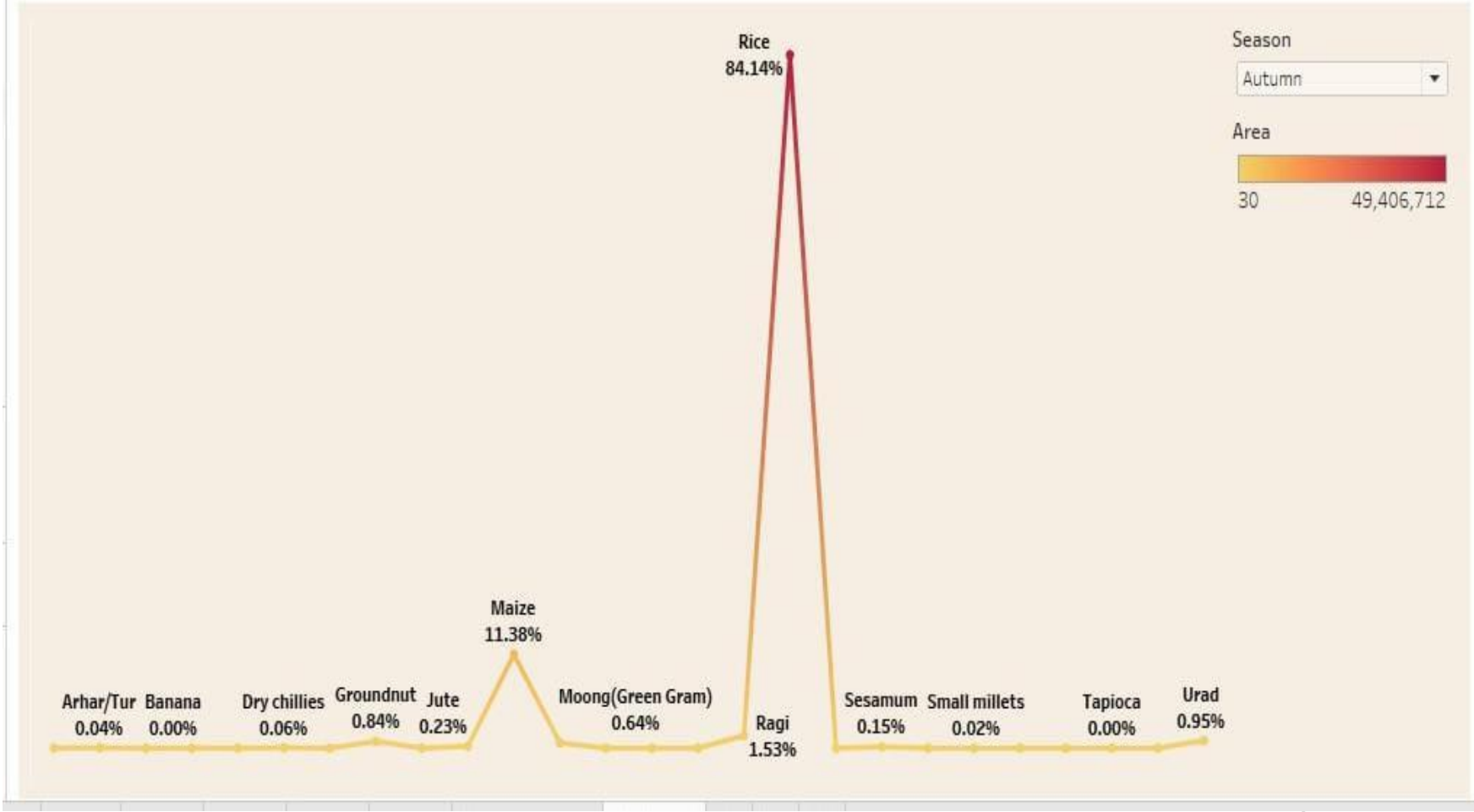
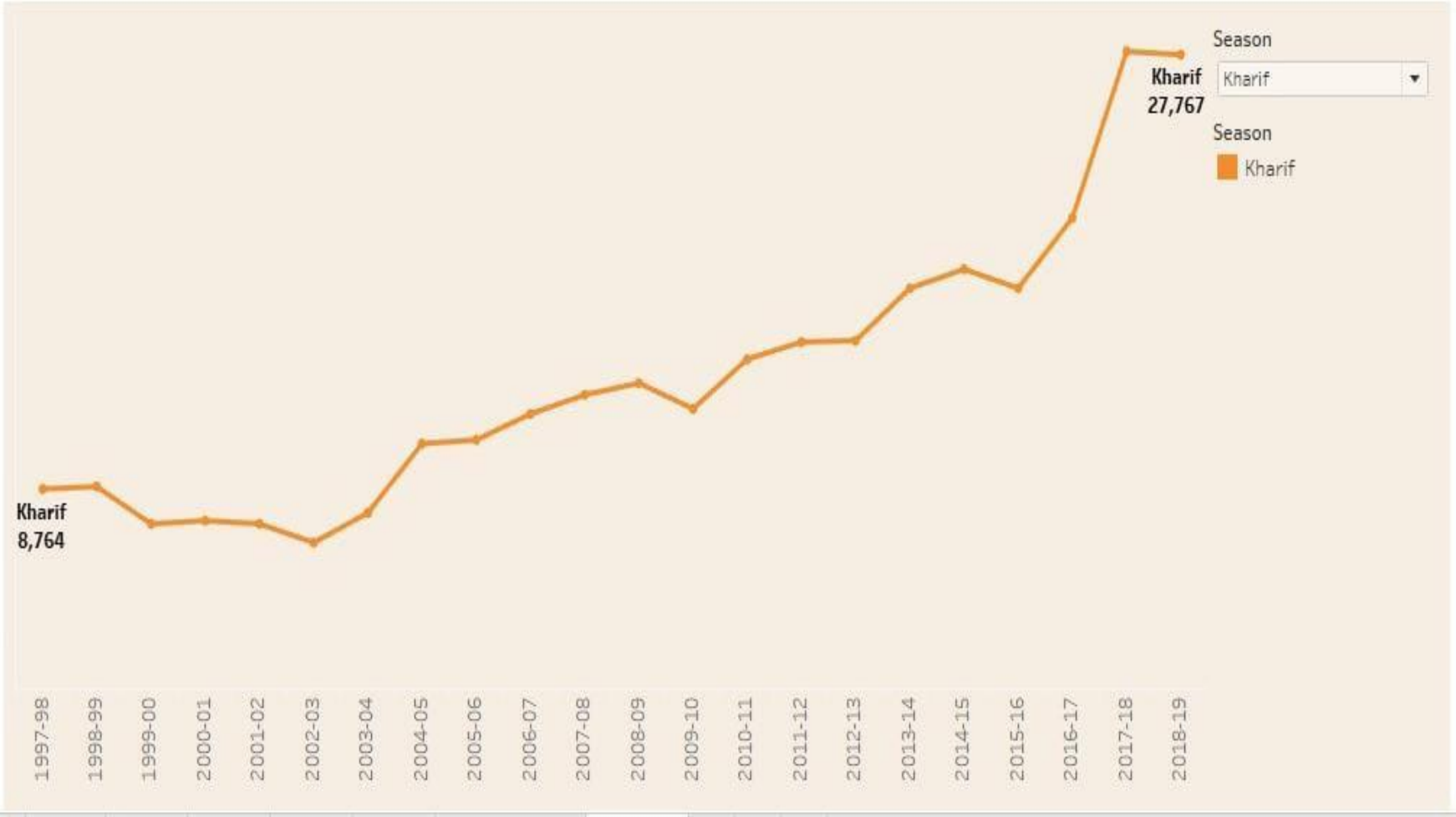


Story 1

This visualization shows that percentages of season based cultivation area

This visualization shows that yearly yield by season

This visualization shows that percentages of crop plantation by area



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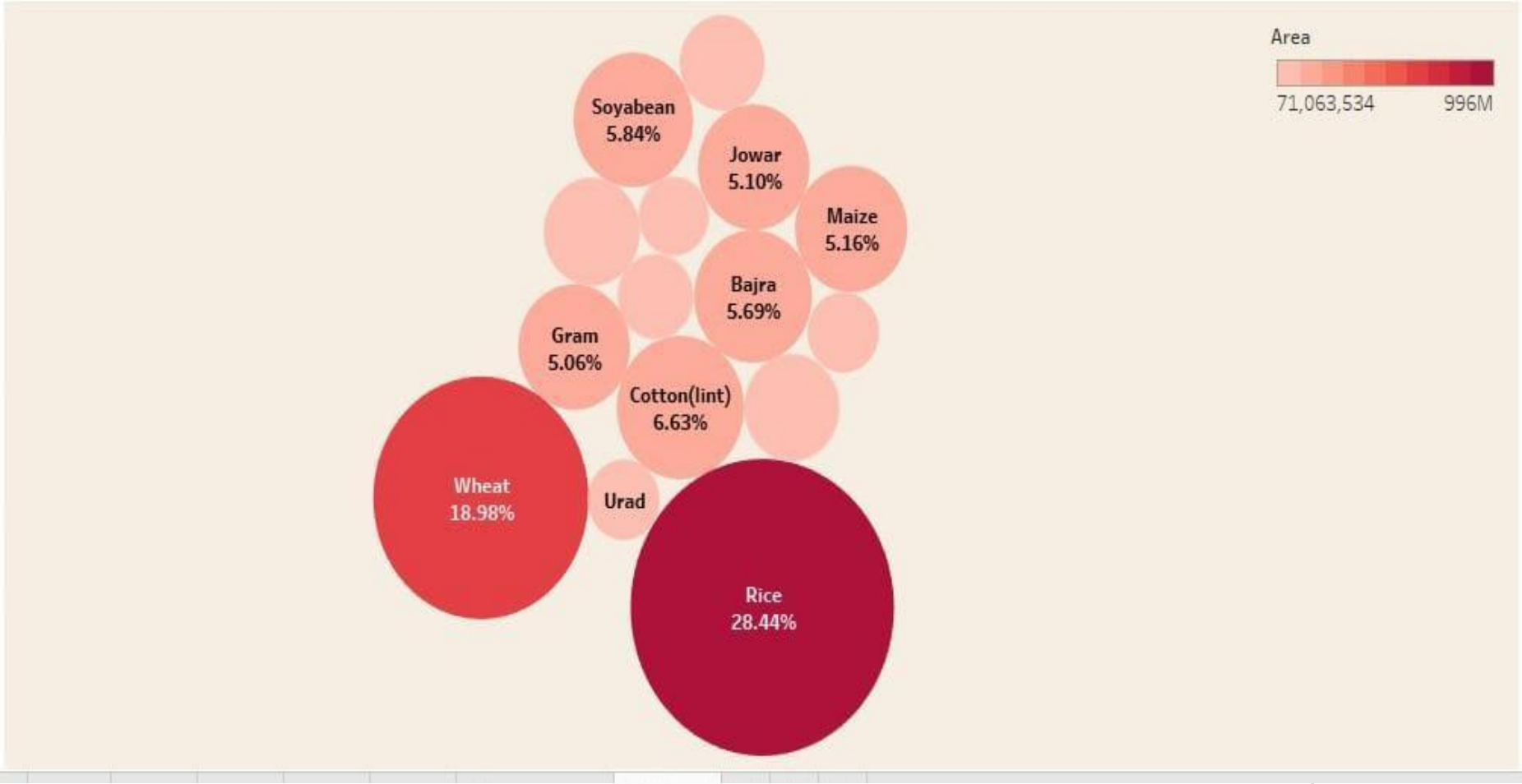

THANK YOU