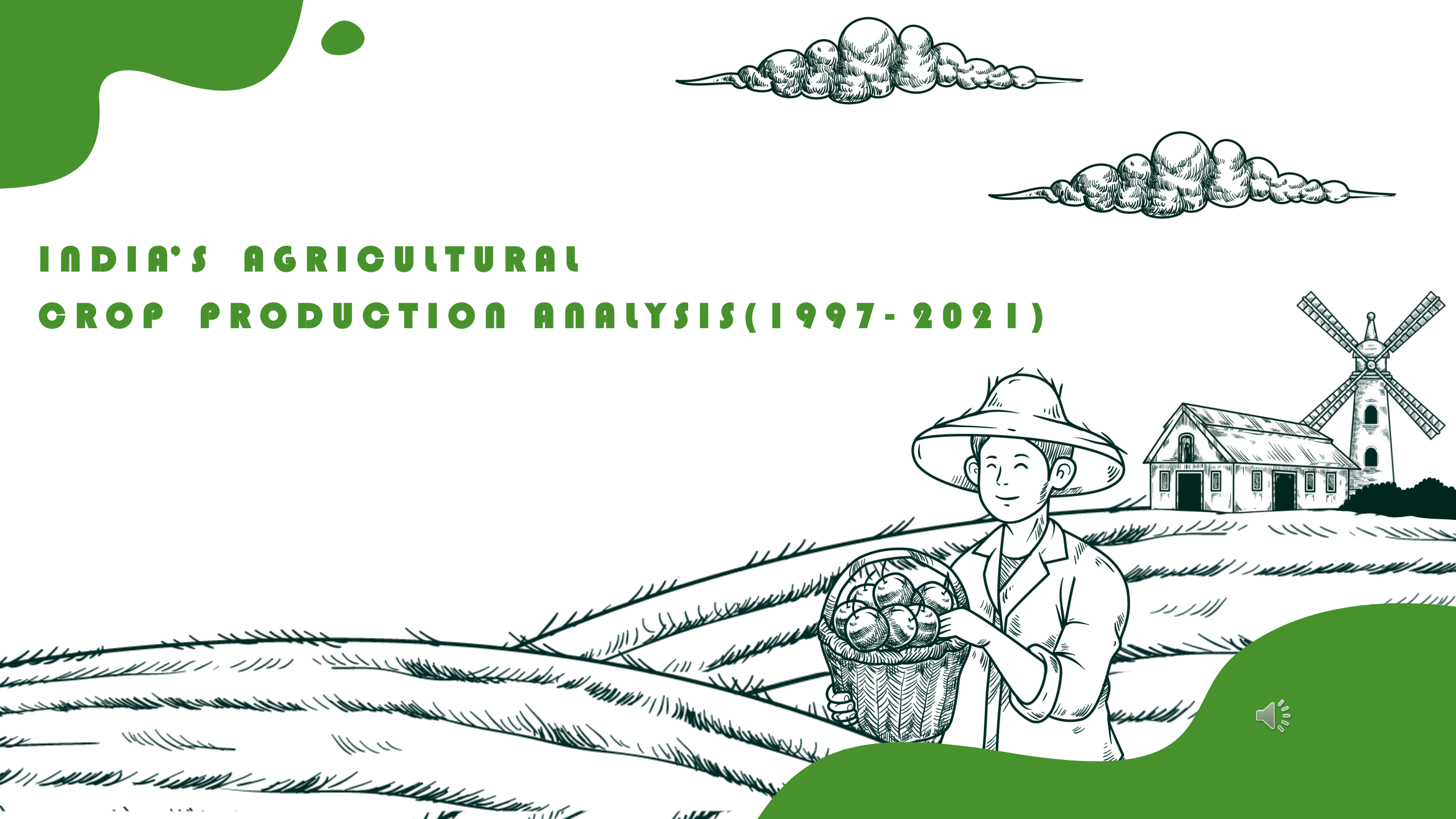


INDIA'S AGRICULTURAL CROP PRODUCTION ANALYSIS(1997- 2021)





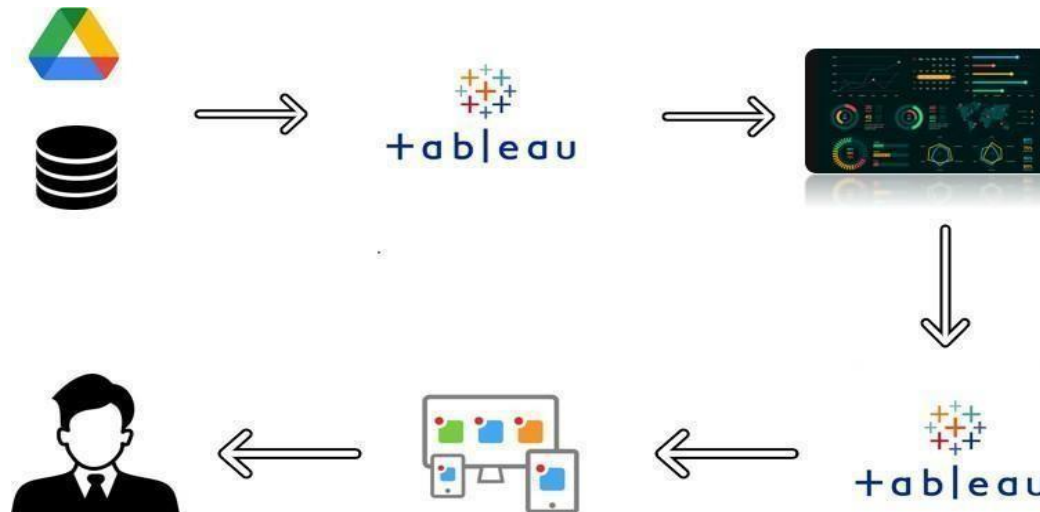
PROJECT DESCRIPTION

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.



TECHNICAL ARCHITECTURE



EMPATHY MAP



Says

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

Agricultural work is very most beautiful work

Agricultural is most viable work form poor people

Agricultural can be alternative source of income for goans

Agricultural encompasses crop and livestock production

Agriculture was the key development in the rise of sedentary human civilization



Does

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

While humans started gathering grains at least 105,000 years ago

The root system of plants together with the fauna and microfauna in the subsoil ensure a stable nutrient balance

Thinks

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



Winter Crops: sown in winter-october to December

Harvested in summer: April to June

important crops: Wheat, barley, mustard, peas, gram, etc..

The India's economy is mainly agricultural; The sector employs 74.5% of the workforce

protection of the soil fertility in order to recreate favorable and long-lasting natural conditions

Feels

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



BRAINSTORM AND IDEA PRIOTIZATION



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



Get a template

1

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

1

Team gathering

Define who should participate in the session and send an invite. Share relevant information prior work ahead.

2

Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.

3

Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

Open article

2

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



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.

3

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

TIP
You can collect a sticky note and in the process (don't be afraid!) to start drawing!



4

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 can break it up into smaller sub-groups.

20 minutes

TIP
Add a sentence-like label to each cluster. This will help you to see if you can break it up into smaller sub-groups.

To analyze credit scores, income, employment history, debt-to-income ratios, and other financial factors to determine an individual's creditworthiness

AI Can be used to detect fraudulent loan applications by analyzing data patterns and identifying anomalies

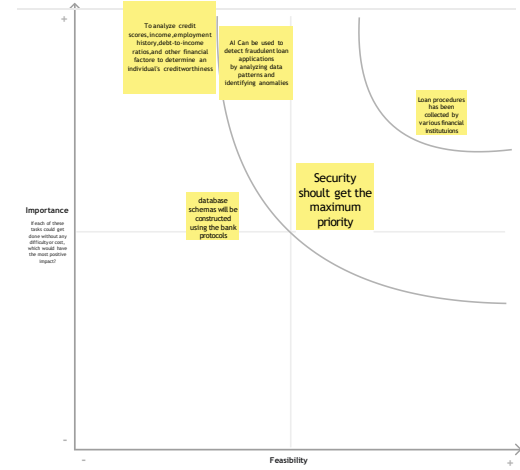
5

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

TIP
Participants can use their current ideas to place on the grid. The facilitator can control the pace by using the timer to ensure that the 20 min is kept.



6

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, intranet sites, or save to your drive.

Keep moving forward

Strategy blueprint
Define the components of a new idea or strategy.

Customer experience journey map
Understand customer needs, motivations, and obstacles for an experience.

Strengths, weaknesses, opportunities & threats
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.

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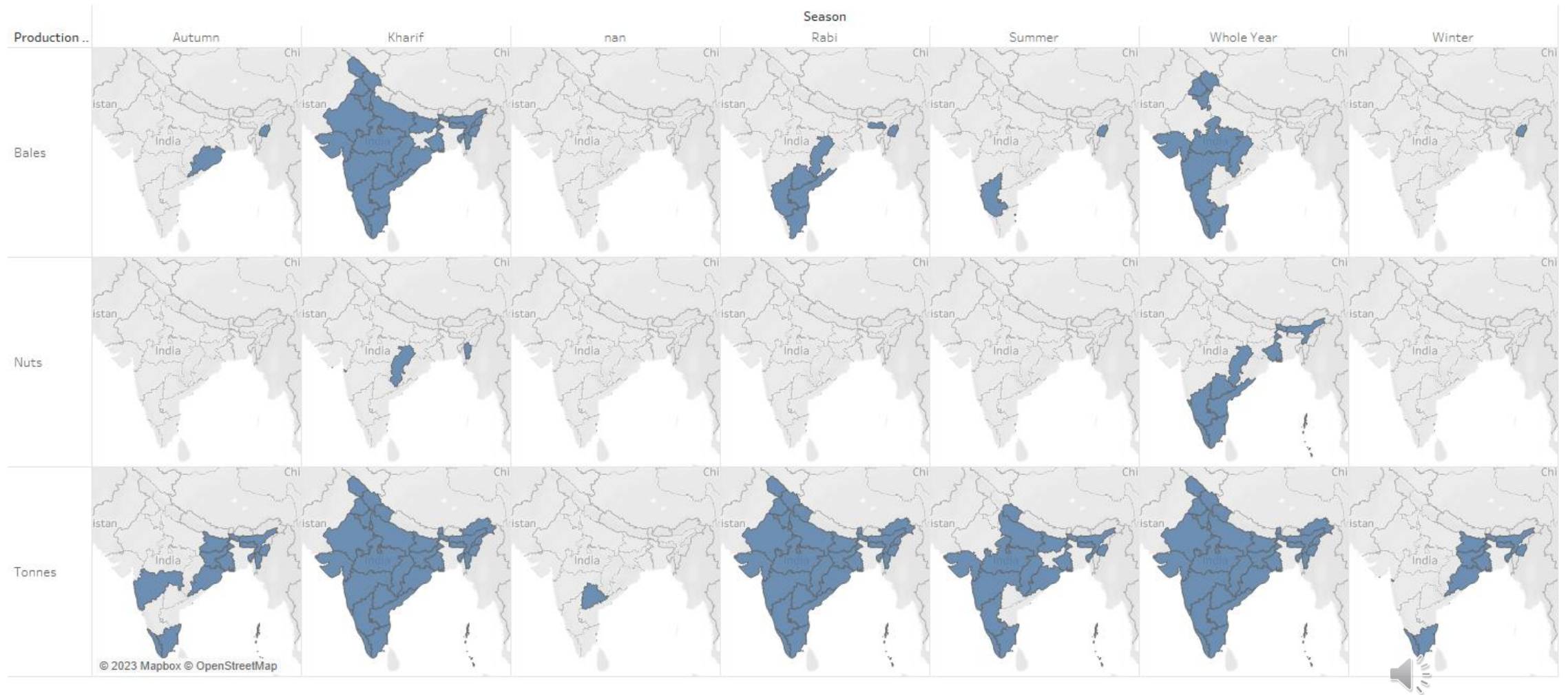
Open the template

We Created Dashboard, Story using Tableau and analysing Indians Agriculture Crop Production



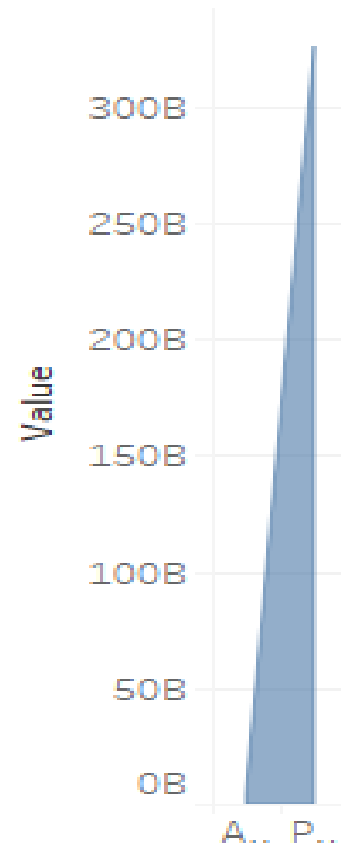


SEASON AND PRODUCTION UNITS



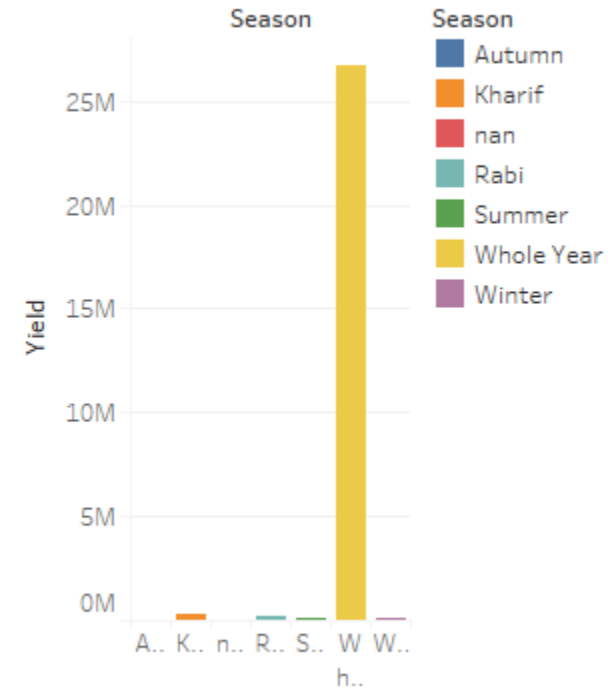
Map based on Longitude (generated) and Latitude (generated) broken down by Season vs. Production Units. Details are shown for State.

AREA AND PRODUCTION



Area and Production.

SEASON AND YIELD

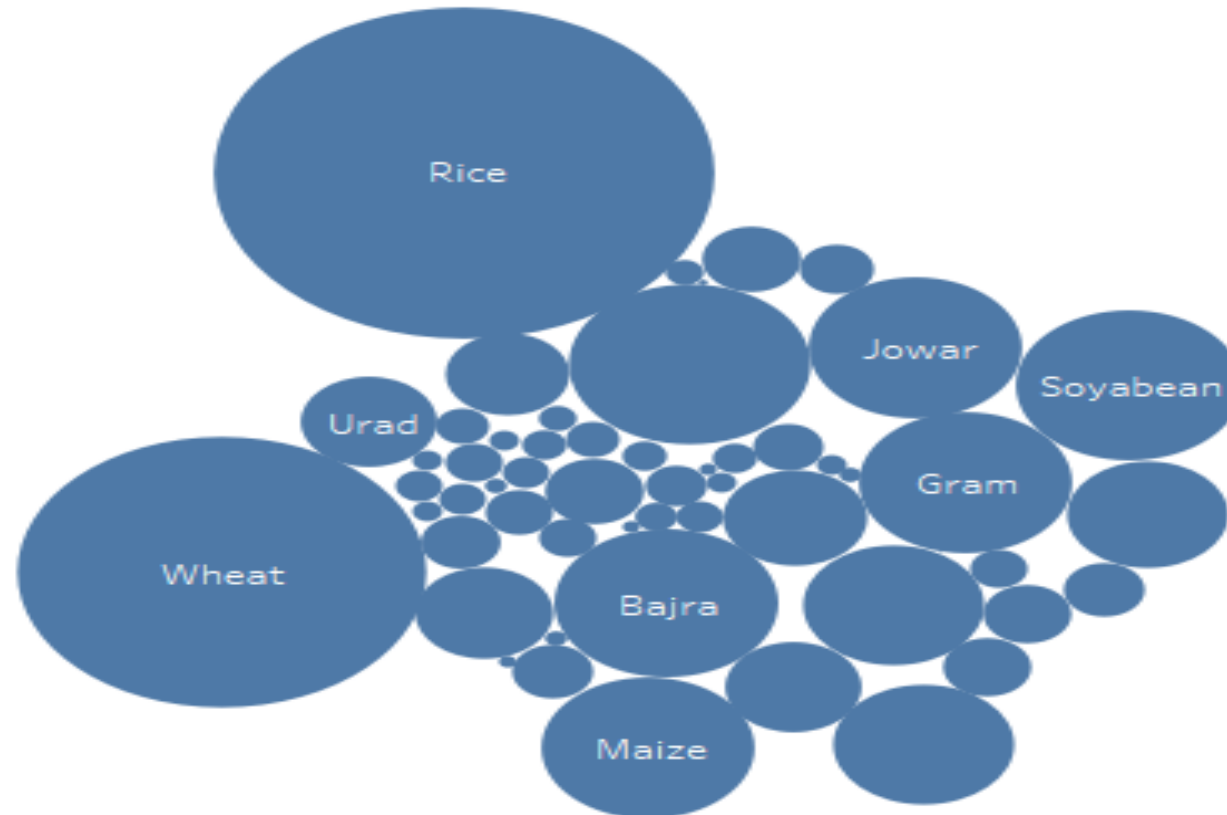


Sum of Yield for each Season. Color shows details about Season.





AREA AND CROP

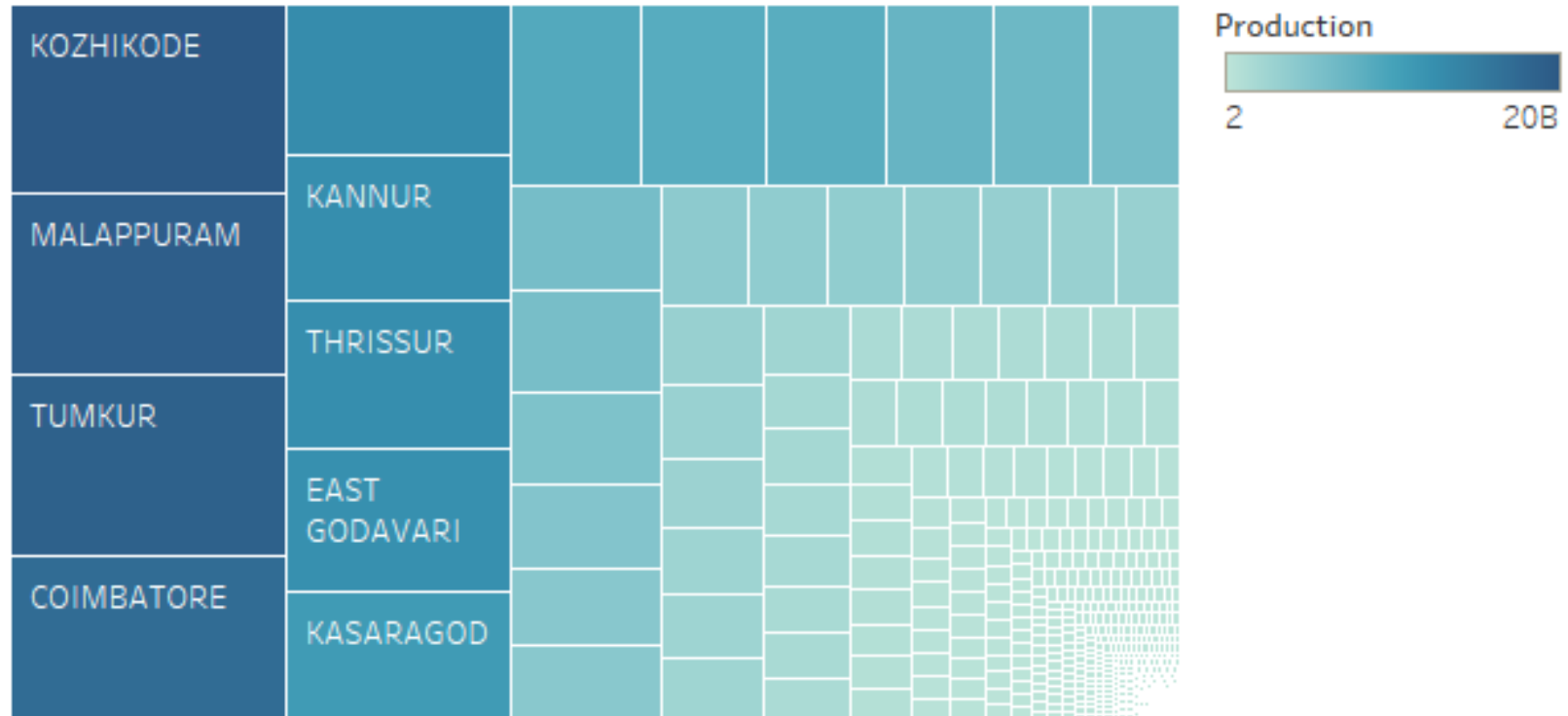


Crop. Size shows sum of Area. The marks are labeled by Crop.





PRODUCTION AND DISTRICT



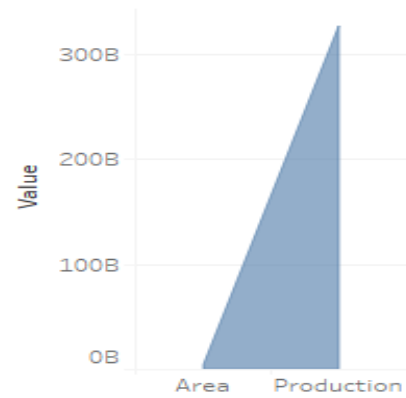
District. Color shows sum of Production. Size shows sum of Production. The marks are labeled by District.





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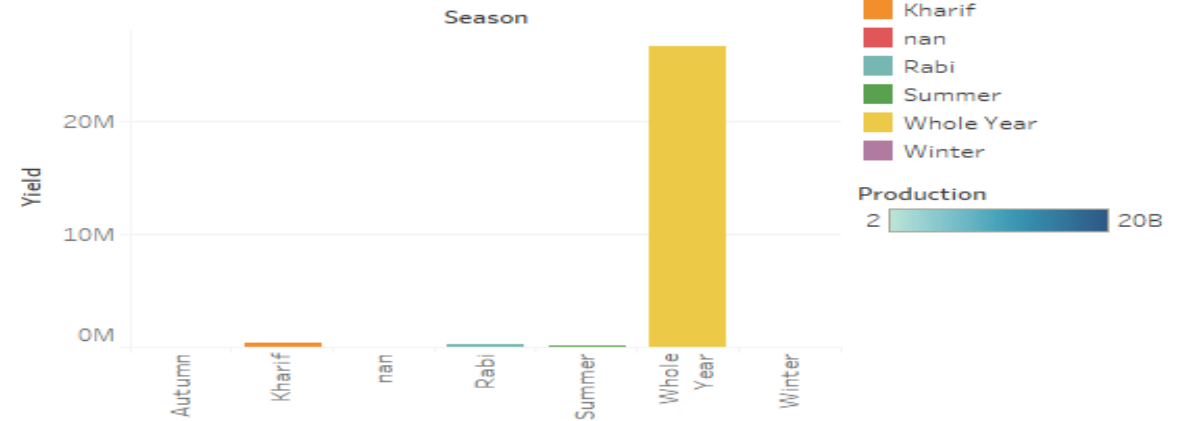
AREA AND PRODUCTION



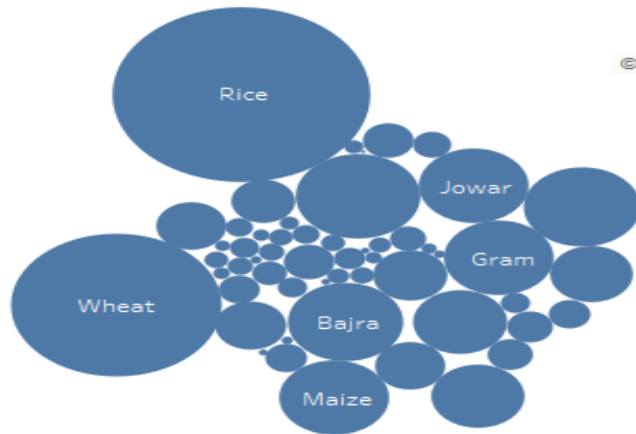
SEASON AND PRODUCTION UNITS



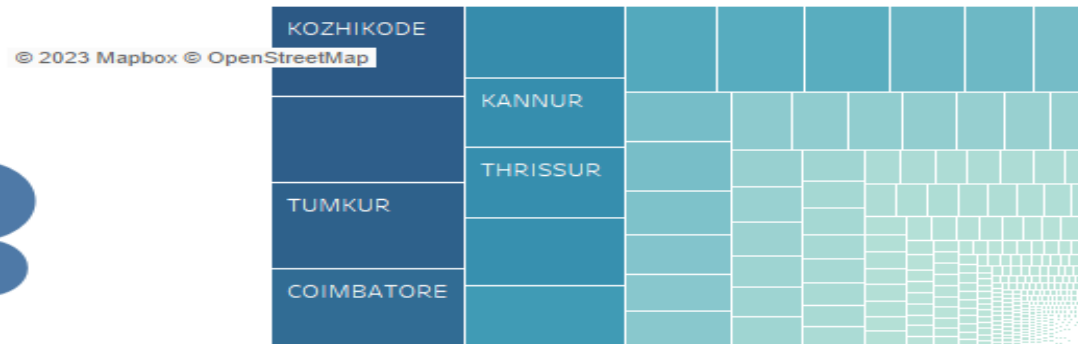
SEASON AND YIELD



AREA AND CROP



PRODUCTION AND DISTRICT



STORY

Story 1

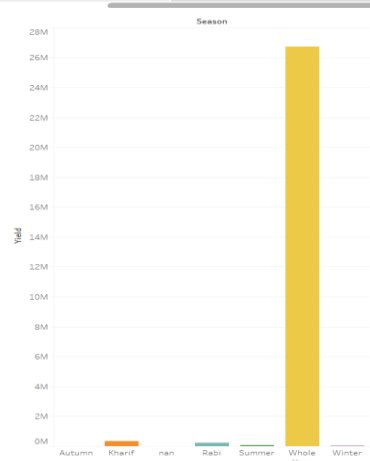
THIS GRAPH TELLS ABOUT THE AREA AND PRODUCTIONS.



THIS GRAPH SHOWS THE WHOLE SEASON HAS A HIGHEST YIELD.

Story 1

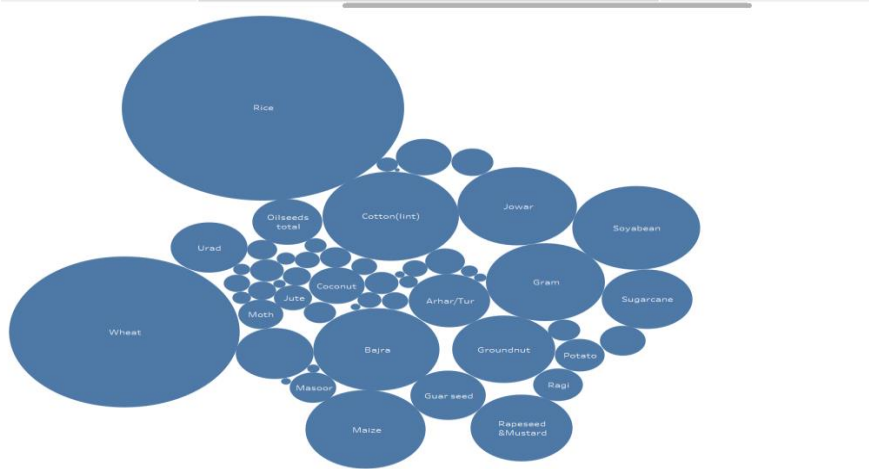
THIS GRAPH TELLS ABOUT THE AREA AND PRODUCTIONS.



Season
Autumn
Kharif
Rabi
Summer
Whole Year
Winter

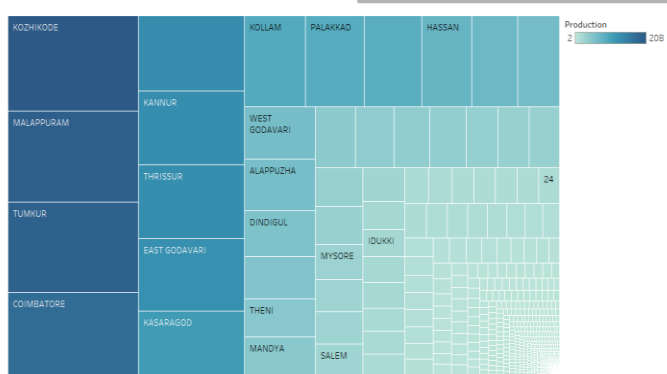
Story 1

THIS GRAPH SHOWS THE WHOLE SEASON HAS A HIGHEST YIELD.



Story 1

THIS GRAPH SHOWS THE NO OF AREAS COVER BY CROPS.



Story 2

THIS GRAPH EXPLAIN PRODUCTION UNITS OF KHARIF SEASON.



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. These changes have been accompanied by a decline in agricultural production for most countries, and have affected also the national seed supply sectors of the region.

Indian economy as it contributes about 17% to the total GDP and provides employment to over 60% of the population.

In future our government try to increase the agricultural participants in GDP....

