PROJECT TITTLE

INDIA'S AGRICULTURE CROP PRODUCTION (1997-2021)

NAAN MUDHALVAN PROJECT ID:

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N.PRIYADHARSHINI(TEAM LEADER)

TEAM MEMBERS

1. M.BUVANESHWARI
2. M.HAMEED SYED RABIYA
3. S.DIWAKAR
4. S.KOTTAI SETHUPATHI

UG AND DEPARTMENT OF MATHEMATICS
SYED HAMEEDHA ARTS AND SCIENCE COLLEGE
KILAKARAI

1.INTRODLCTION

1 Overview

TO analyze cap tivatinq realm or India's agricultural cultivation, providing a comprehensive exploration of key aspects and trends •n the agricultural seetoe Through the visual representa ns. readers can gain valuable insights into Crop production. sea sonat variations, regional distribution, and overa ll production trends. These Visualizations enable intuitive analysi allowing stakeholdets to uncover patterns, identdy areas of growth or concern. and make fata-driven decis•ons.

The agtieultute SeetOt employs nearly half of the workforce in the country. However. it contributes to of the GDP (at current prices in 2015-16).

1.2 Purpose

India' ptoduction Of food grains has been increasing every year. and India is among the top producers of several crops such as wheat. 'Ice. pulses. sugarcane and cotton. it is the highest producer of and second mg hest producer fruits and vegetables. In 2013. India contributed 2S• to the world • s pulsesproduction. the highest for any one country. to the rice production and to the wheat production_ it accounted for about Of the total quantity of cotton produced. besides being the second highest exporter of cotton for the past several years.

1_

Project Architecture

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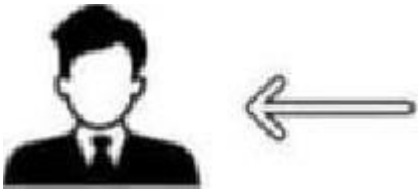

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2. Problem Definition & Design Thinking

The team members ideas are grouped by Empathy Map and Ideation & Brainstorming Map using app. mural-co

Here we done the following

The team members ideas are grouped by Empathy Map and Ideation & Brainstorming Map using aoo. mural.co

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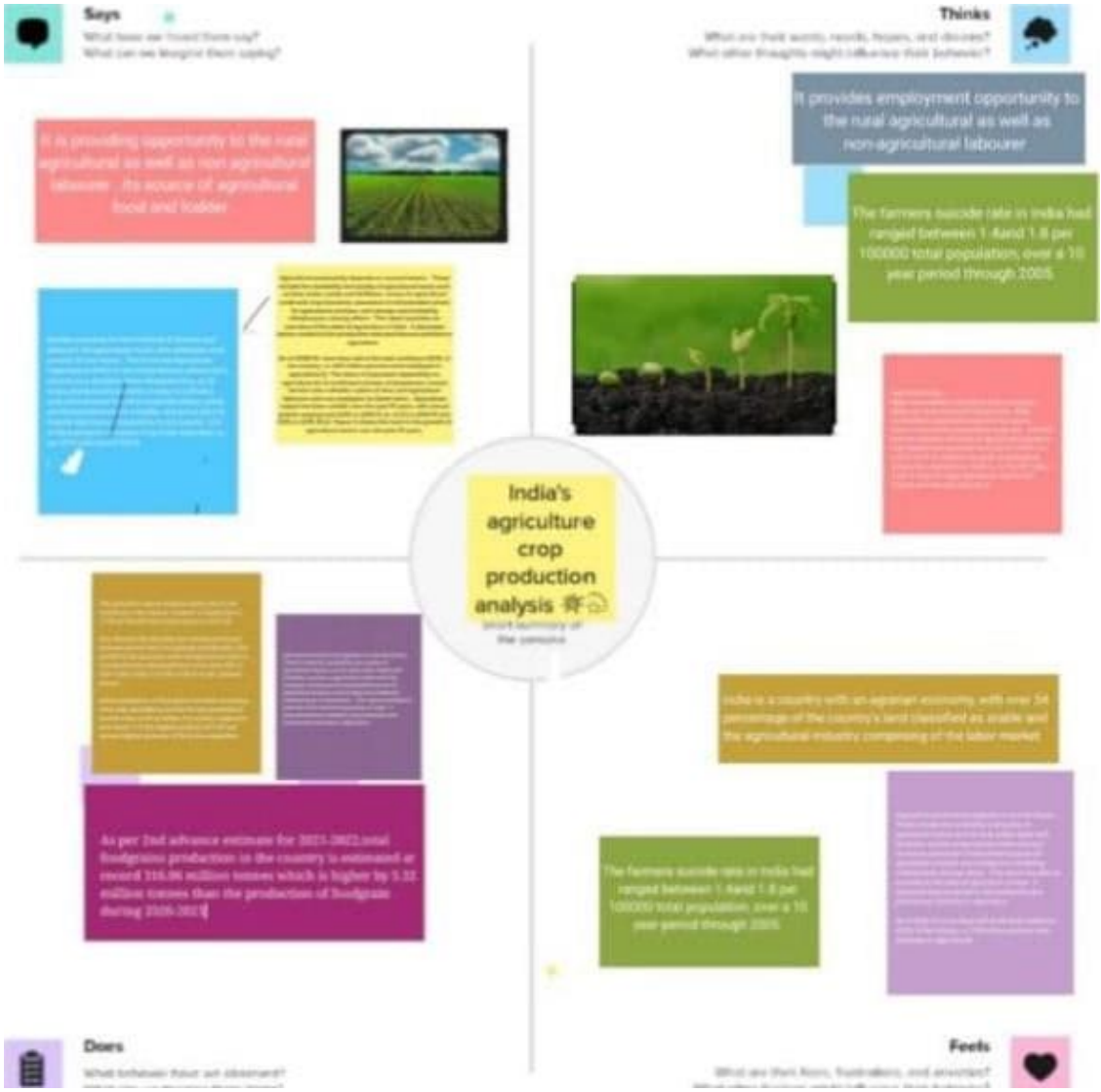
Defining the problem

- Problem understanding
- Specification Of the business problem



BRAINSTORM

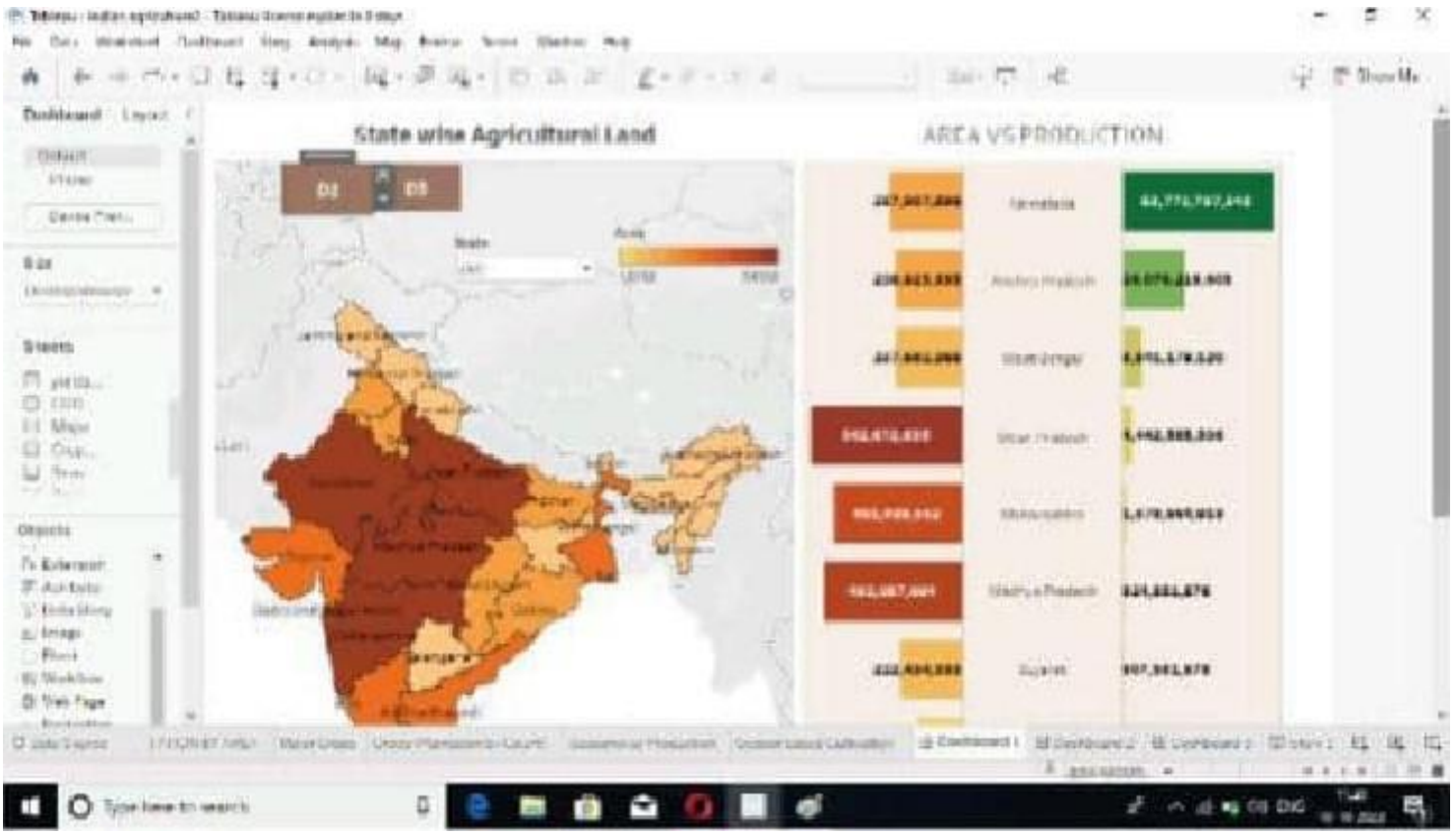
3. RESULT

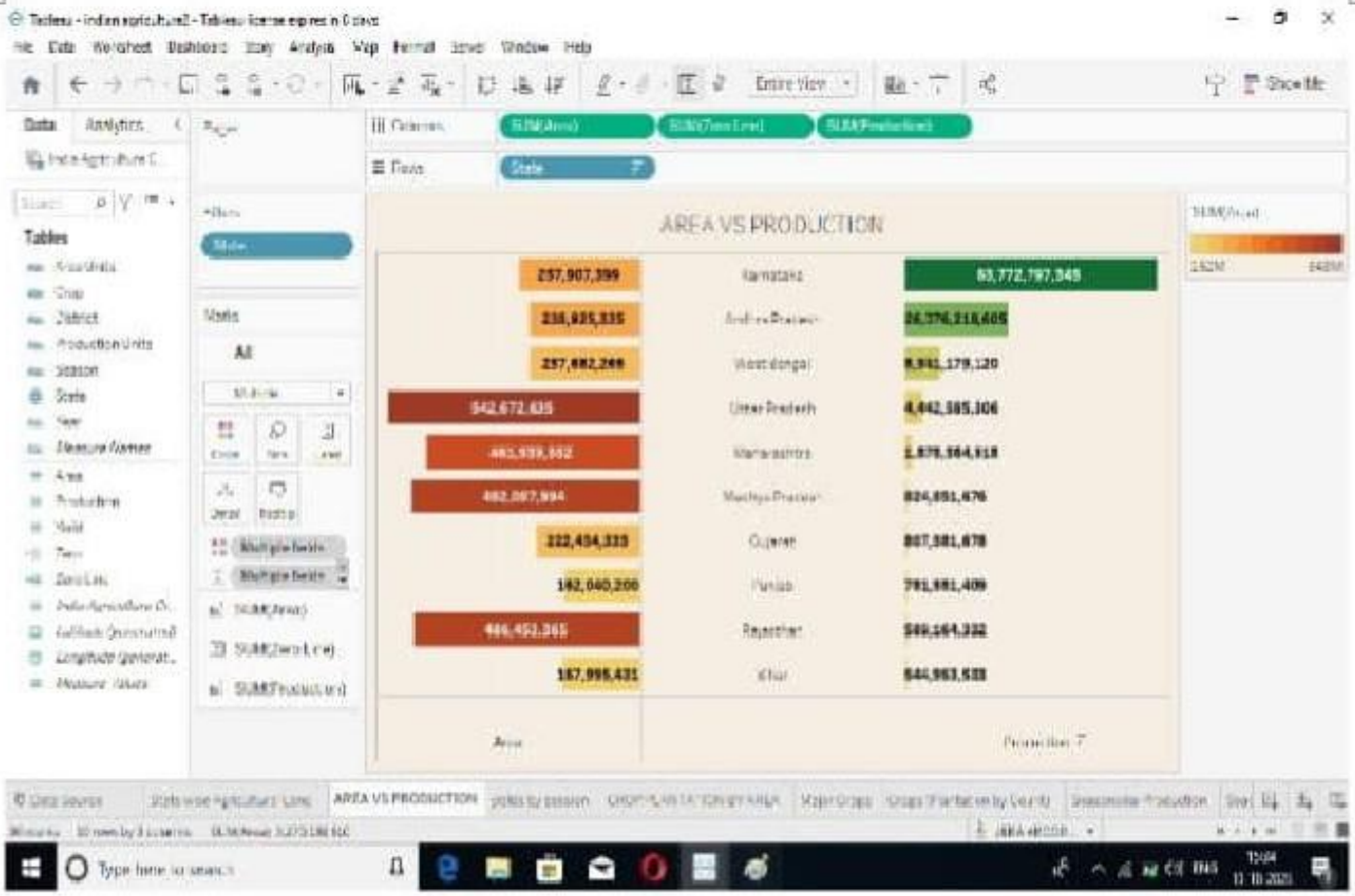
One of the main advantages of Tableau is its easy to use. We don't need to have any coding or programming skills to create stunning and informative dashboards. charts. maps. and stories with Tableau. You can simply drag and drop data sources. fields. filters, and visual elements to customize your views and analysis. Once you have created views on different sheets in Tableau. you can pull them into a dashboard.

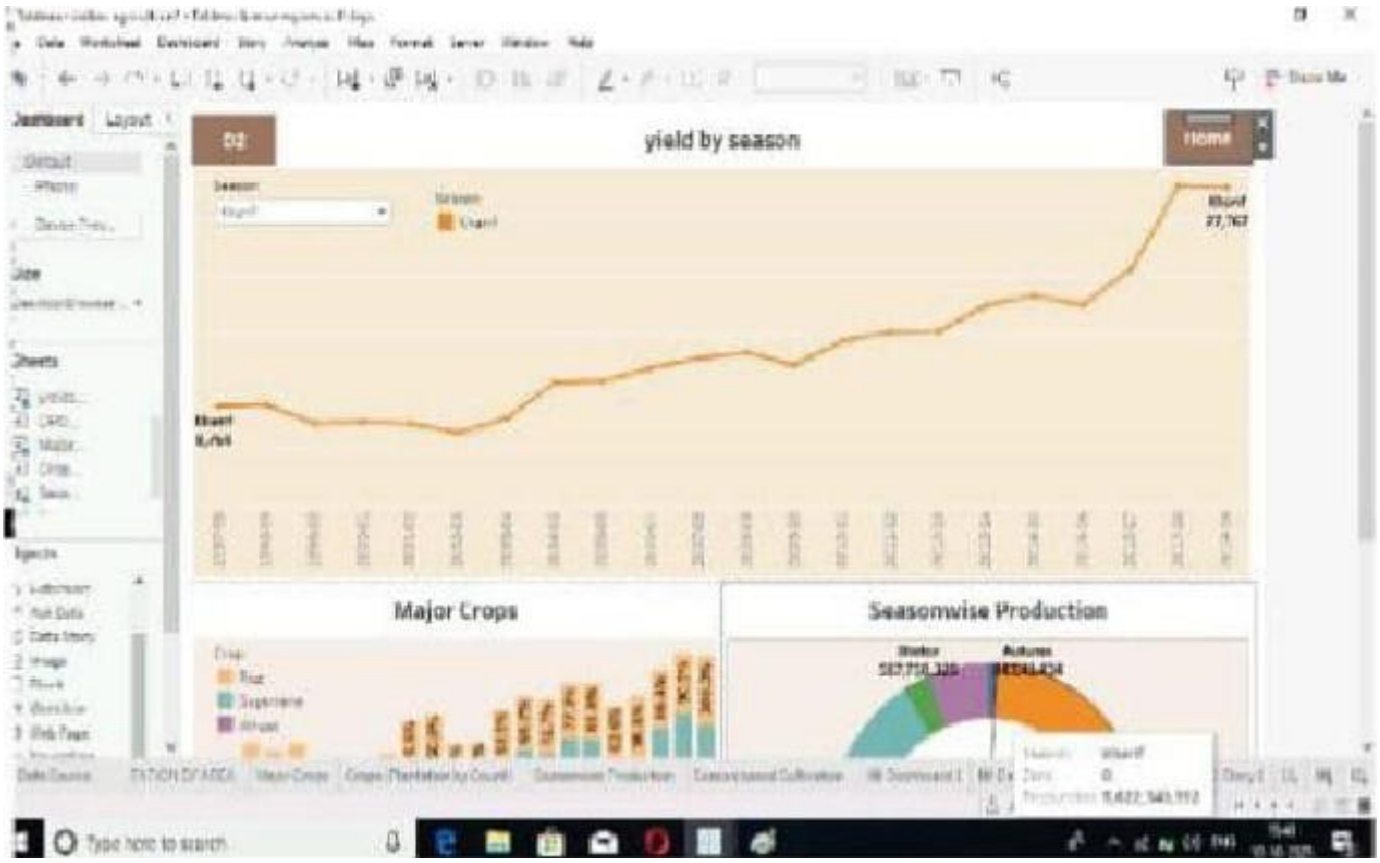
These are screenshots of our project work

Screenshots of Sheets

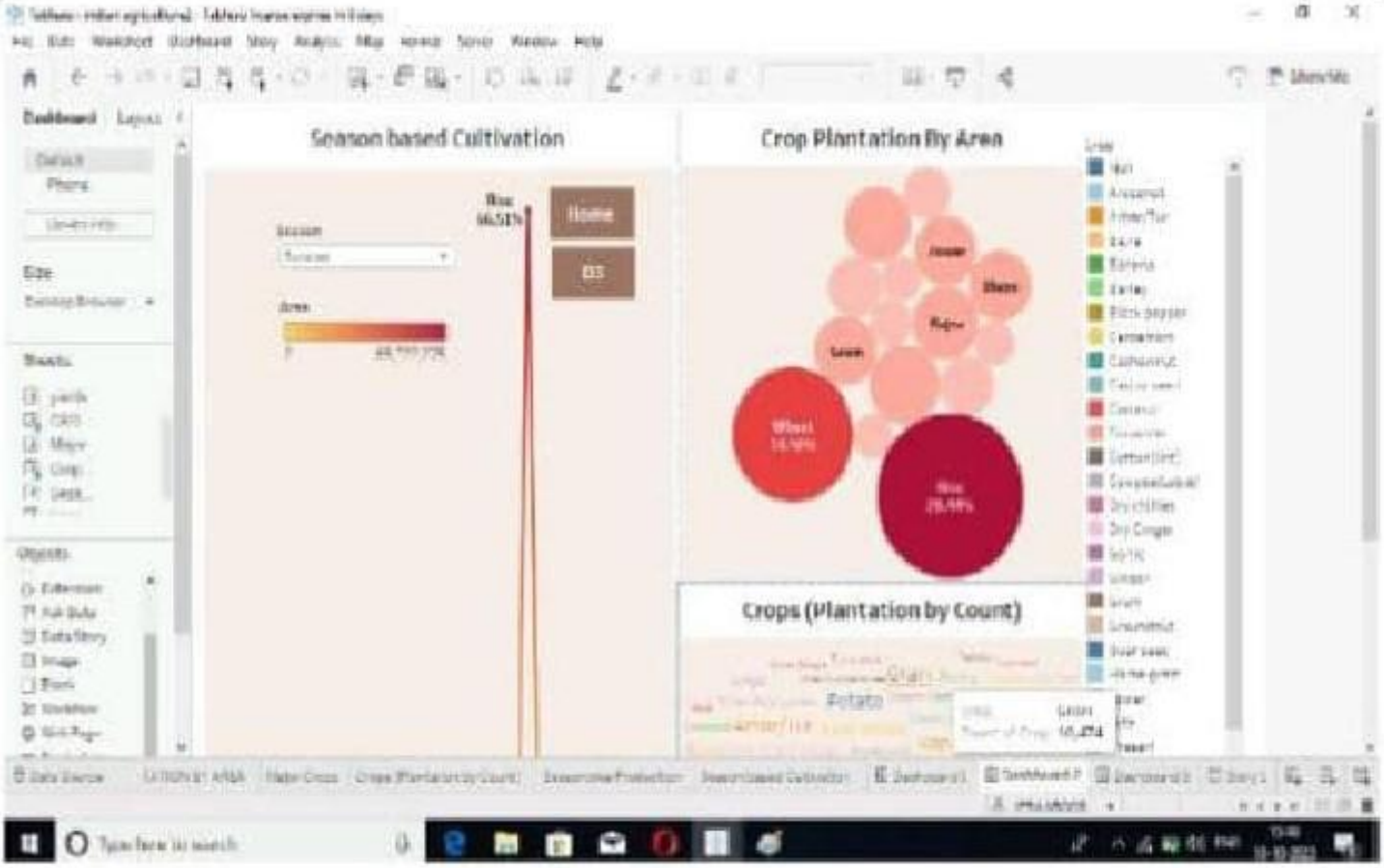
Scr ho Dashboards

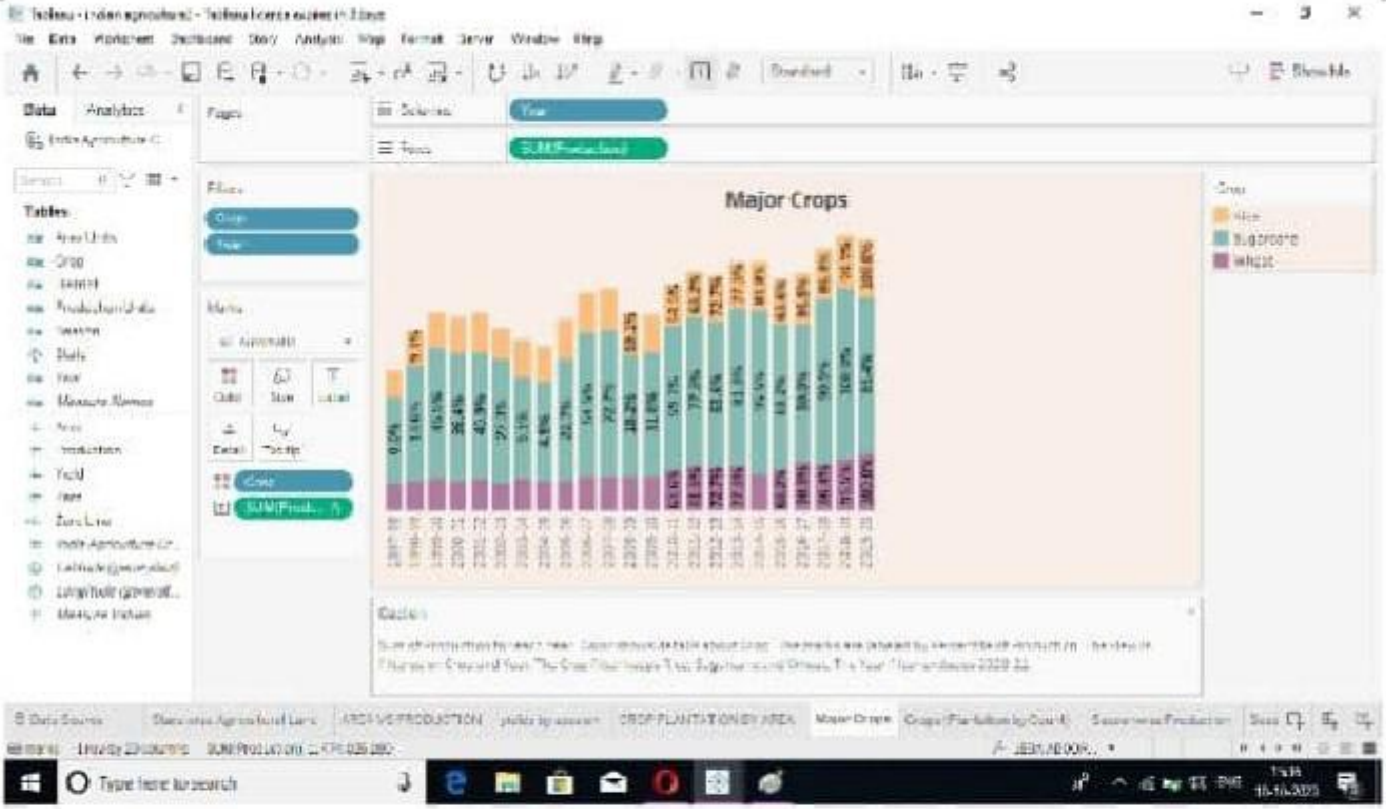


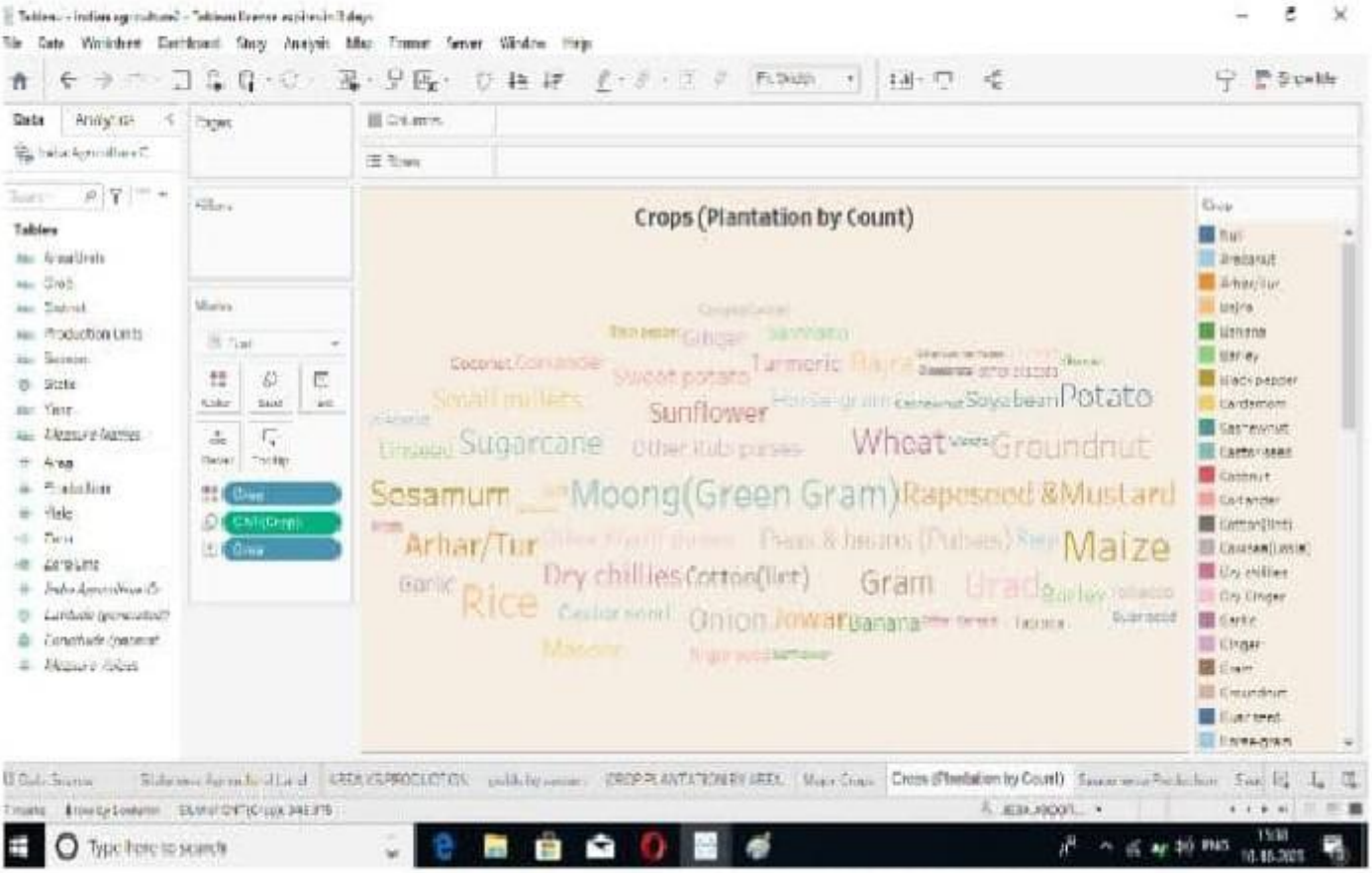

AREA VS PRODUCTION
237,907,399
Karnataka
53,772,797,345
Andhra Pradesh
26,376,218,405
West Bengal
8,941,179,120
542,672,635
Uttar Pradesh
4,442,585,306
Maharashtra
1,878,564,618
Madhya Pradesh
824,851,676
222,434,333
Gujarat
807,581,678
142,040,200
Punjab
791,681,409
466,452,365
Rajasthan
549,164,332
167,995,431
Kerala
544,953,533
Area
Production
AREA VS PRODUCTION

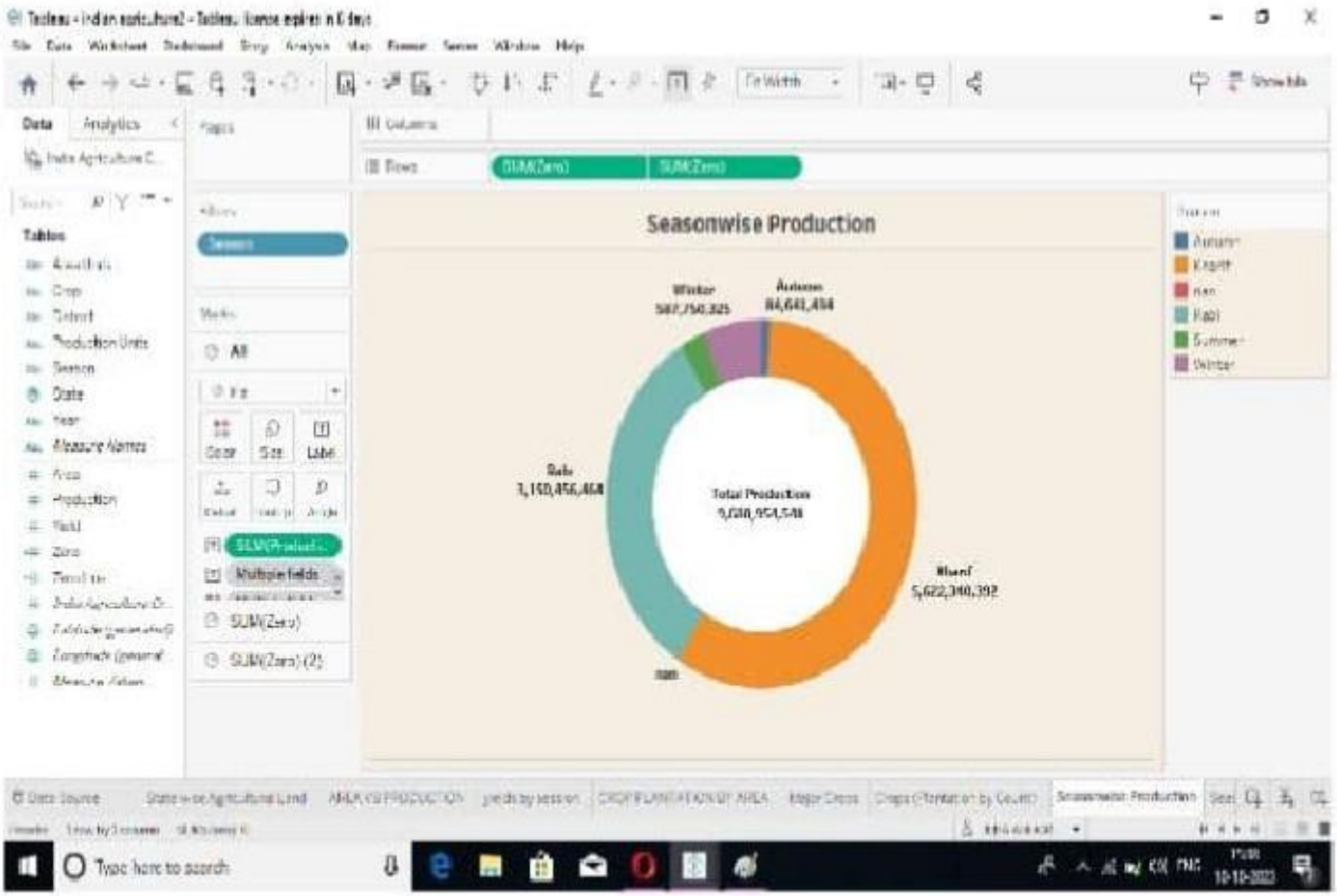


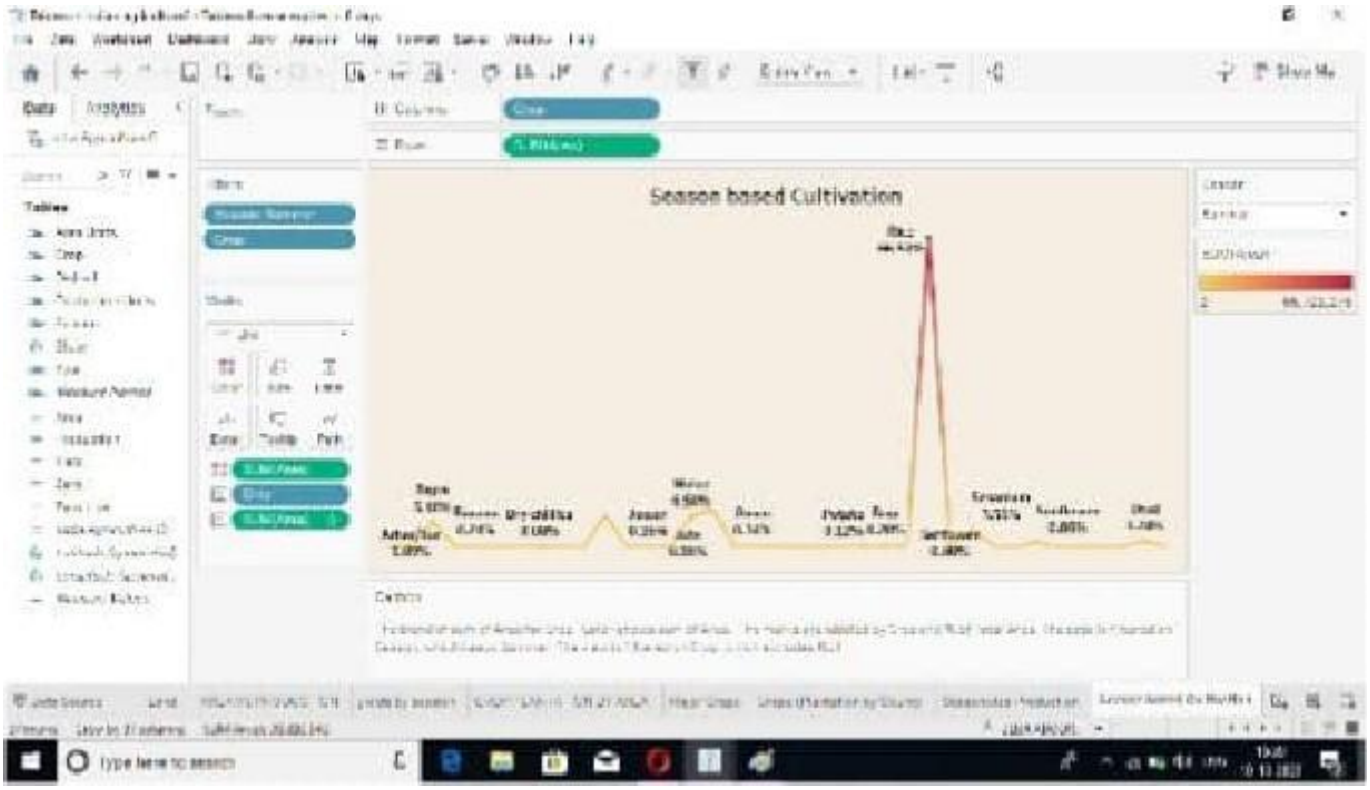
III) Sctee.nshotsof Stoties


Season based Cultivation
Crop Plantation By Area
Crops (Plantation by Count)
Potato

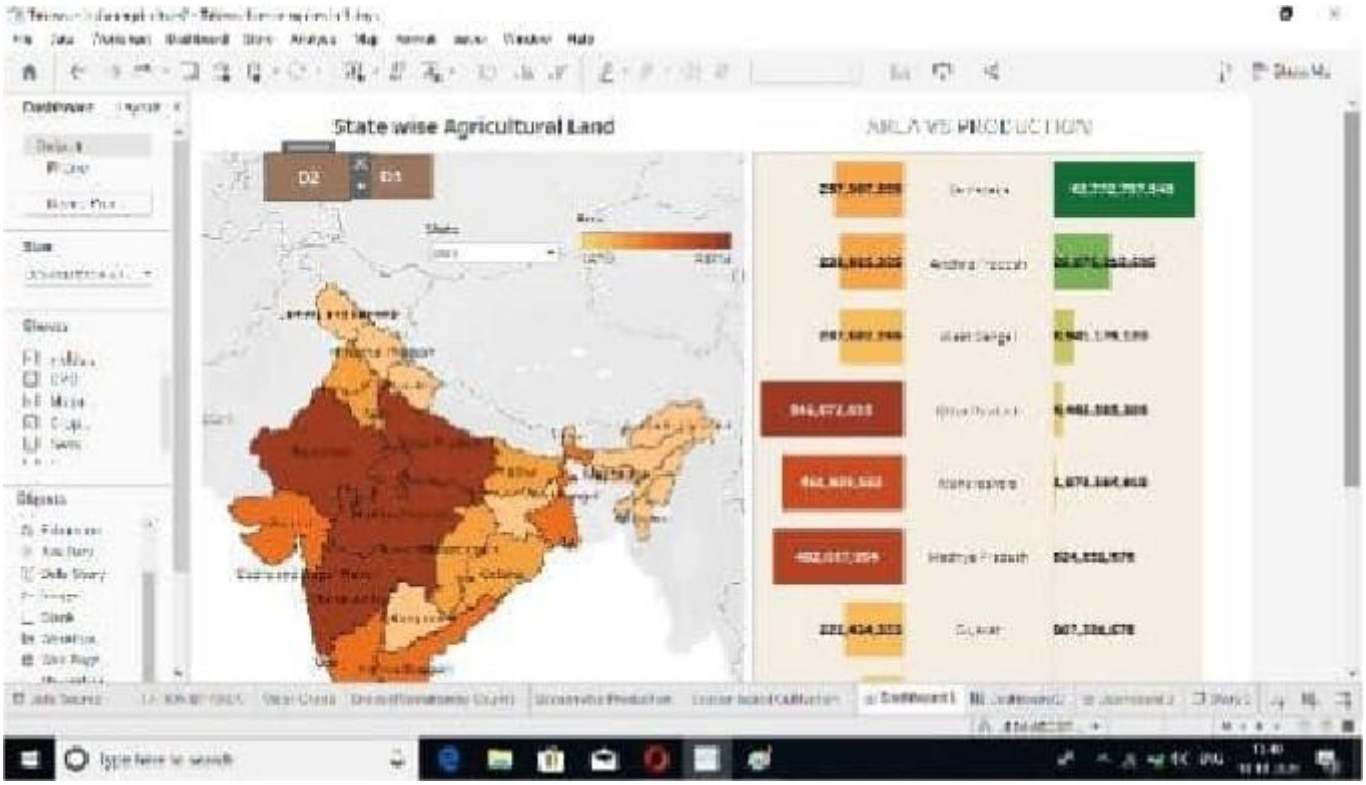

Major Crops


Crops (Plantation by Count)
Sunflower
Potato
Sugarcane
Wheat
Groundnut
Sesamum
Moong(Green Gram)
Rapeseed &Mustard
Arhar/Tur
Maize
Dry chillies
Cotton(lint)
Gram
Rice
Onion
Jowar
Banana


Seasonwise Production
Winter
567,750,825
Autumn
84,641,454
Rabi
3,150,856,468
Total Production
9,038,954,548
Kharif
5,622,340,392
rain
Autumn
Kharif
rain
Rabi
Summer
Winter
Data
Analytics
Tables
Pages
Columns
Rows
SUM(Zero)
SUM(Zero)
Marks
All
Color
Size
Label
Detail
Tooltip
Path
SUM(Production)
Multiple fields
SUM(Zero)
SUM(Zero) (2)
Data Source
Seasonwise Production
Type here to search



III) SC「eenshots of Dashboards



New File at / · priyadharshinima

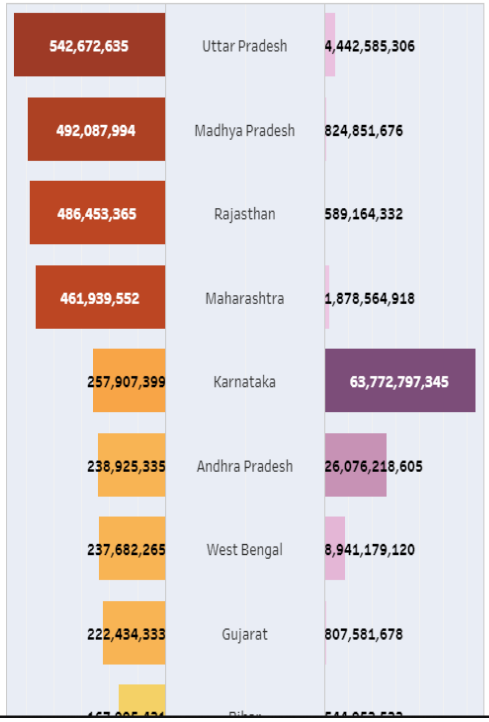
Dashboard1 | Tableau Public

public.tableau.com/app/profile/priya.dharshini2050/viz/Dashboard1_16978769055030/Dashboard1?publish=yes

Dashboard1 by priya dharshini

Area acres region -wise

Area vs Production



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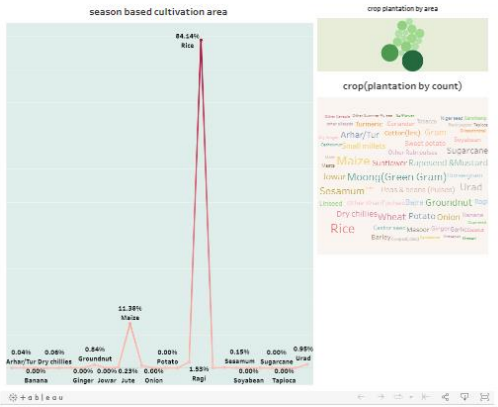
Dashboard2 by priya dharshini



Details

☆ 0 👁 1

Dashboard2

Published: 21 Oct 2023 **Updated:** 21 Oct 2023

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story 1 by priya dharshini

insights into india's agricultural cultivation

india states visulation area | Area vs production | cultivation of crops in india | year on year percentage

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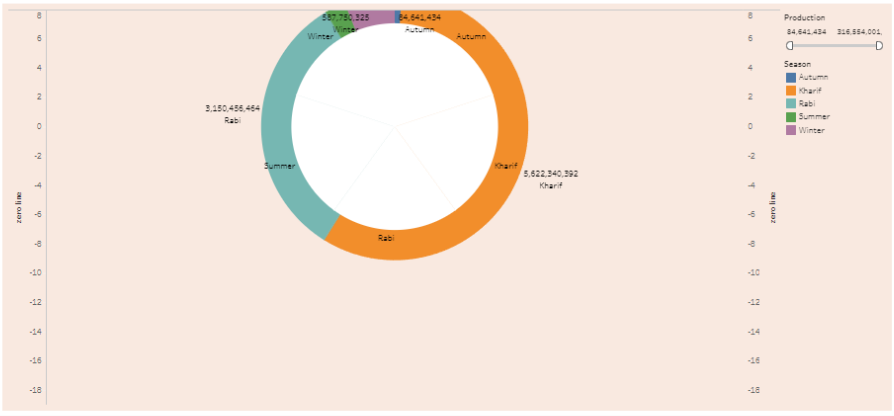
story 2 by priya dharshini

insights into india's agricultural cultivation

crop planing percentage | crop yield growth year | world cloud the following world | crop production season



Details

4. ADVANTAGES & DISADVANTAGES

1. This visualization is very' easier to analysethe data of Indian Agricultural Crop Production Analysis(1997-2021).
2. To increase crop production, to estimate planting insurance and improving trade benefits.
3. This web-based agri solution Will help farmers to take smart farming decision by resource optimization and smart planning.
4. To identify the Crop Diseases and to take necessary actions.

5. APPLICATIONS

1 Mobile-Fria"dly
2.1nformative Dashboa rds
3Advanced Visualization Capabilities
4.Availability of Maps, And so on.

6. CONCLUSION

India'S production Of food grains has been increasing every year. and India is among the top producers of several crops such as Wheat. rice, pulses, sugarcane and cotton. It is the highest producer of milk and second highest producer of fruits and vegetables. In 2013, India contributed 25% to the world's pulses production, the highest for any one country. 22% to the rice production and 13% to the wheat production. It also accounted for about 25% of the total quantity of cotton produced. besides being the second highest exporter of cotton for the past several years.