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

### 1. Introduction

In this project we can see that the cultivation of crops in India.It gives us a clear idea to Analysing the plantation.

### 1.1. Overview:

This report delves into the capitivating realm of india's agricultural cultivation, providing A cmprahensive visual exploration of key aspects and trends in the agricultural sector.

### 1.2 Purpose:

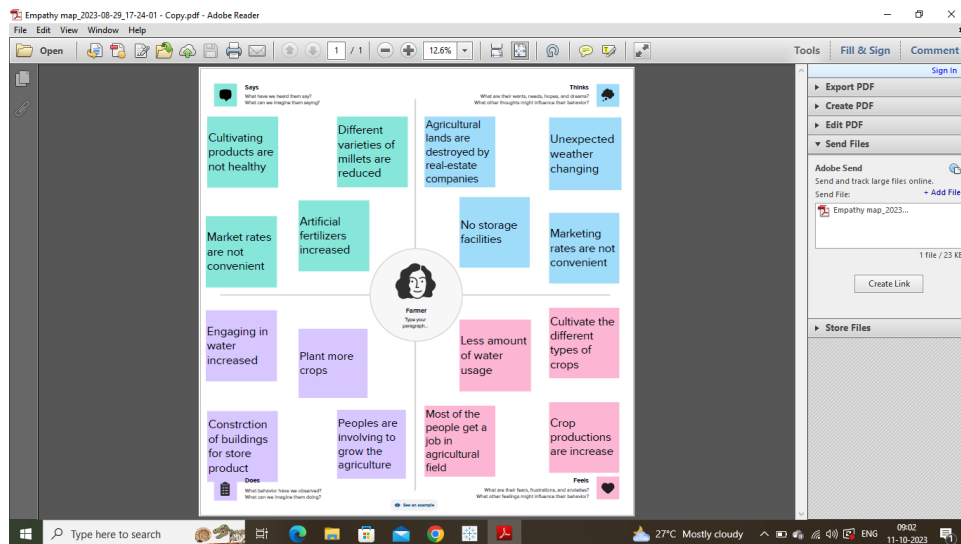Through the visual representations, readers can gain valuable insights into crop production, seasonal variations, regional distibution, and overall production trends.
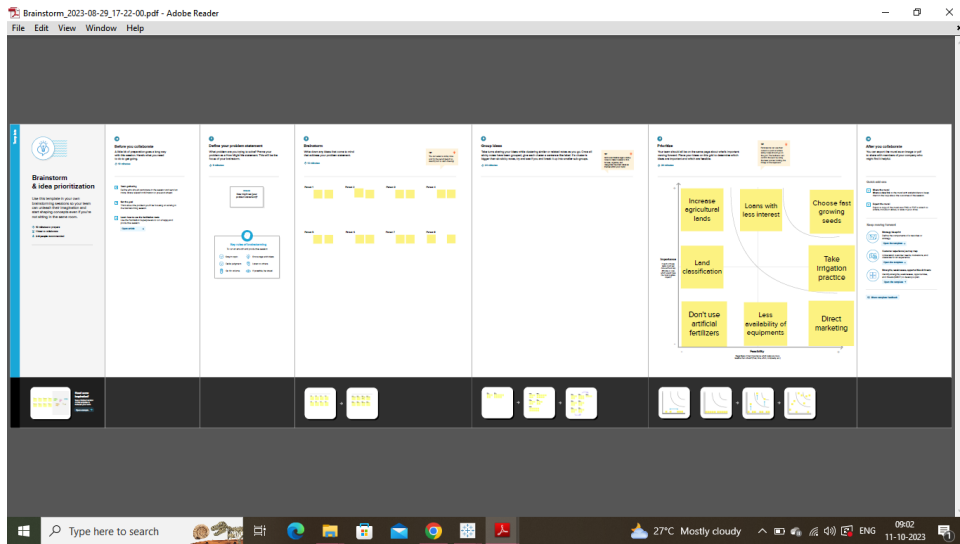
### 2. Problem Statement & Design thinking:

This report providing a comprehensive visual exploration of key aspects and trends in the agricultural sector.
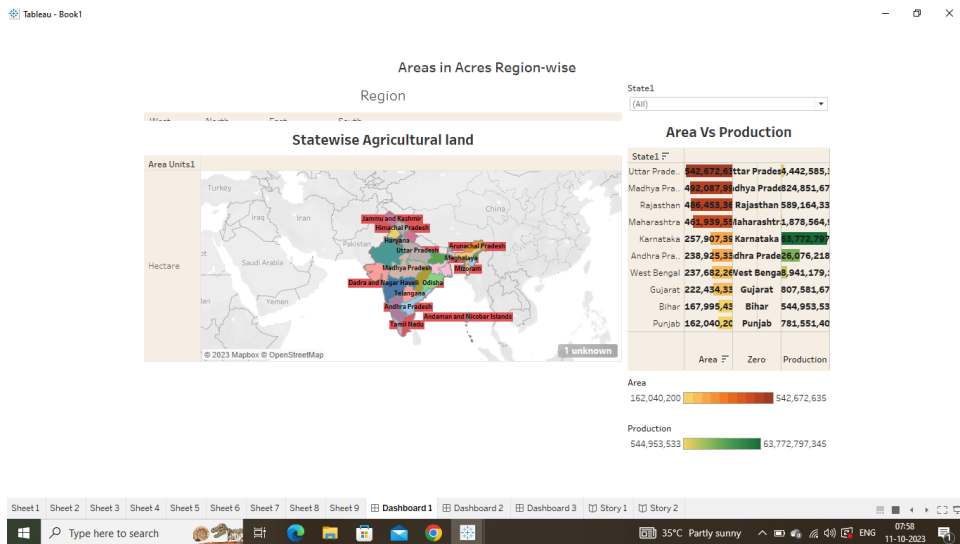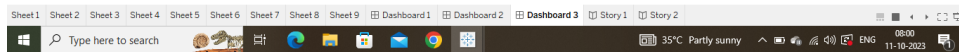
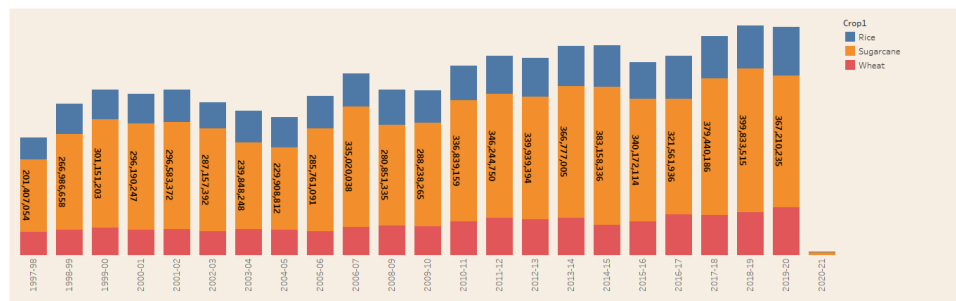### 2.1 empathy map:



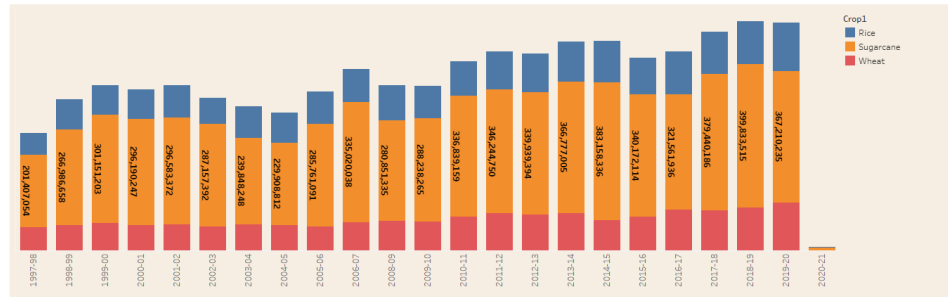### 2.2 Ideation and Brainstorming Map:

## 3.Result

# Production in tonnes region-wise

Season1
Summer

Area
2 — 65,722,275

## Region

| West | North | East | South |
|---|---|---|---|
| 810,145,490 | 6,648,203,747 | 13,590,836,644 | 305,193,770,321 |

## Crop Production by Area

Bajra

Wheat
18.98%

Rice
28.44%

Crop1
- Null
- Arecanut
- Arhar/Tur
- Bajra
- Banana
- Barley
- Black pepper
- Cardamom
- Cashewnut
- Castor seed
- Coconut
- Coriander
- Cotton(lint)
- Cowpea(Lobia)
- Dry chillies
- Dry Ginger
- Garlic
- Ginger
- Gram
- Groundnut
- Guar seed
- Horse-gram

## Season Based cultivation area

66.51%
Rice

5.18%       6.58%
Bajra       Maize         0.34% 0.20%        3.56%       1.24%
0.24%                     Onion Ragi         Sesamum     Urad
Banana

## Crops(Plantation by count)

Other Cereals

Sannhemp Oilseeds total Onion  Masoor  Menta
Kharif Other Rabi pulses  Potato  Castor seed  Ginger  Garlic
Linseed Arhar/Tur Coconut  Coriander  Coriander  Cotton(lint)
Bajra Other Kharif pulses  Rice  Banana Rapeseed &Mustard
Sesamum  Moong(Green Gram)  Groundnut
Small millets Sugarcane  Peas & beans (Pulses)  Maize
Jowar Dry chillies Sweet potato  Urad Sunflower other oilseeds
Guar seed  Other Summer Pulses Cowpea(Lobia)  Black pepper
Moth  Soyabean  Wheat Gram  Tapioca Cardamom Safflower
Turmeric Barley

Sheet 1  Sheet 2  Sheet 3  Sheet 4  Sheet 5  Sheet 6  Sheet 7  Sheet 8  Sheet 9  Dashboard 1  Dashboard 2  Dashboard 3  Story 1  Story 2

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## Dashboard 3

Crop1
- Rice
- Sugarcane
- Wheat

### Yield by Season

Kharif 8,764 · Kharif 8,869 · Kharif 7,237 · Kharif 7,380 · Kharif 7,239 · Kharif 6,417 · Kharif 7,714 · Kharif 10,749 · Kharif 10,911 · Kharif 12,046 · Kharif 13,397 · Kharif 12,276 · Kharif 14,445 · Kharif 15,194 · Kharif 15,257 · Kharif 17,543 · Kharif 18,385 · Kharif 17,548 · Kharif 20,630 · Kharif 27,914 · Kharif 27,767 · Kharif 26,457 · Kharif 272

1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020

Season1
Kharif

Season1
Kharif

### Major Crops

366,777,005 · 383,158,336 · 379,401,086 · 399,833,515 · 367,210,235

1997- 1998- 1999- 2000- 2001- 2002- 2003- 2004- 2005- 2006- 2007- 2008- 2009- 2010- 2011- 2012- 2013- 2014- 2015- 2016- 2017- 2018- 2019- 2020-

### Season wise production

587,750,325    84,641,434
Winter         Autumn

3,150,456,464
Rabi

Total Production
9,688,954,548

5,622,340,392
Kharif

nan

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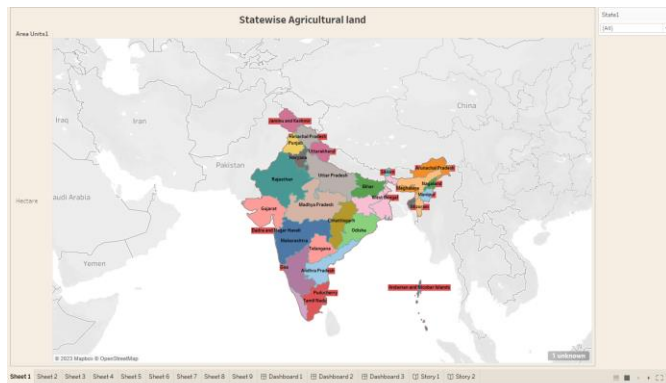
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## Story 1

| statewise agricultural land | area vs production | season based cultivation area | major crops |

Crop1
- Rice
- Sugarcane
- Wheat

201,407,054 · 266,986,658 · 301,151,203 · 296,190,247 · 296,593,372 · 287,157,392 · 239,848,248 · 229,908,812 · 285,761,091 · 335,020,038 · 280,851,235 · 288,238,265 · 336,839,159 · 346,244,750 · 339,635,394 · 366,777,005 · 383,158,336 · 340,172,114 · 321,561,936 · 379,401,086 · 399,833,515 · 367,210,235

1997-98 1998-99 1999-00 2000-01 2001-02 2002-03 2003-04 2004-05 2005-06 2006-07 2008-09 2009-10 2010-11 2011-12 2012-13 2013-14 2014-15 2015-16 2016-17 2017-18 2018-19 2019-20 2020-21
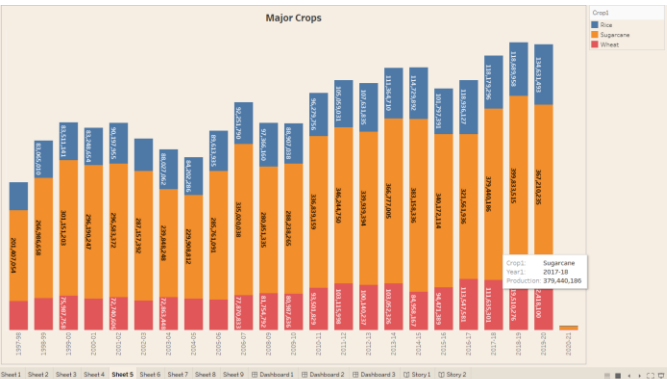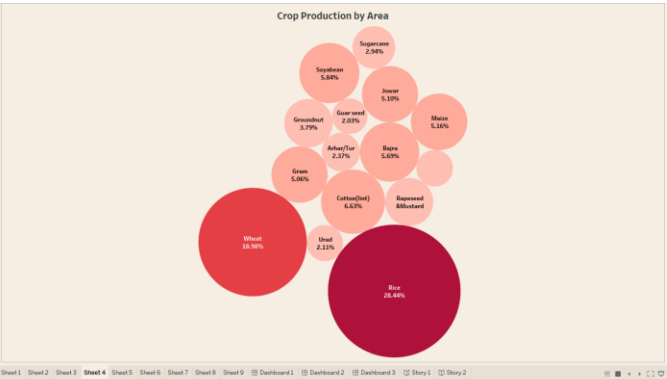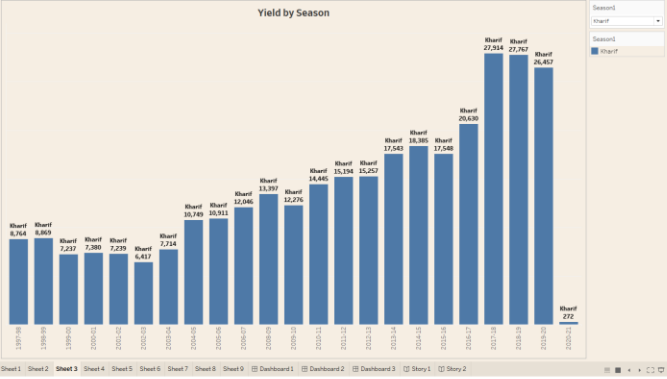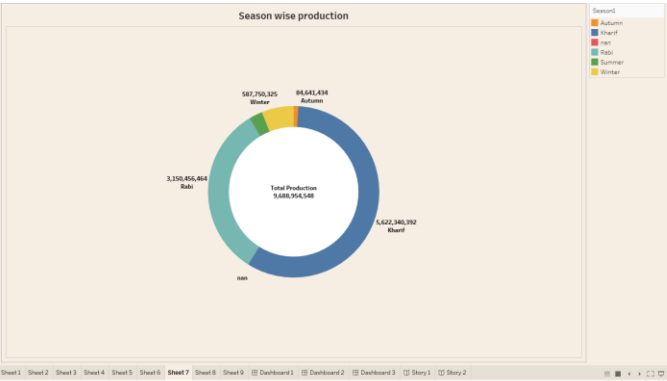
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Tableau - Book1

Story 1

Crop1
- Rice
- Sugarcane
- Wheat

Bar values (left to right):
201,407,054 | 265,986,658 | 301,151,203 | 296,190,247 | 296,583,372 | 287,157,392 | 239,948,248 | 229,908,812 | 285,761,091 | 335,020,038 | 280,853,335 | 288,238,265 | 336,839,159 | 346,240,750 | 339,939,394 | 366,777,005 | 383,158,336 | 340,172,114 | 321,561,936 | 379,440,186 | 399,833,515 | 367,210,235

X-axis years:
1997-98 | 1998-99 | 1999-00 | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21

Sheet 1 | Sheet 2 | Sheet 3 | Sheet 4 | Sheet 5 | Sheet 6 | Sheet 7 | Sheet 8 | Sheet 9 | Dashboard 1 | Dashboard 2 | Dashboard 3 | Story 1 | Story 2



Statewise Agricultural land

Area Units1

State1
[All]



Title
Area Vs Production

State| F

SUM(Area)
162M    S43M

SUM(Production)
S45M    648

| State | Area | | Production |
|---|---|---|---|
| Uttar Pradesh | 642,672,655 | Uttar Pradesh | 4,442,585,506 |
| Madhya Pradesh | 492,087,994 | Madhya Pradesh | 824,851,676 |
| Rajasthan | 486,452,369 | Rajasthan | 589,164,332 |
| Maharashtra | 461,636,552 | Maharashtra | 1,878,564,918 |
| Karnataka | 257,907,399 | Karnataka | 60,772,797,546 |
| Andhra Pradesh | 238,925,535 | Andhra Pradesh | 26,076,218,605 |
| West Bengal | 237,682,265 | West Bengal | 8,941,179,120 |
| Gujarat | 222,434,533 | Gujarat | 807,581,678 |
| Bihar | 167,995,431 | Bihar | 544,953,533 |
| Punjab | 162,040,200 | Punjab | 781,551,409 |

Area F          Zero          Production

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Yield by Season



Crop Production by Area



Major Crops

## Crops(Plantation by count)

Black pepper Banana Cowpea(Lobia)
Soyabean Jowar Cotton(lint) Onion Bajra Guar seed Ragi Khesari Garlic
Sannhamp
Small millets Dry chillies Sweet potato Castor seed Horse-gram
Linseed Other Kharif pulses Turmeric Peas & beans (Pulses) Jute Maize
Oilseeds total
Sesamum Moong(Green Gram) Barley Groundnut Mesta
Cardamom
Arhar/Tur Sugarcane Tapioca Sunflower Rapeseed &Mustard
Tobacco Other Rabi pulses Urad Ginger Coriander Wheat
other oilseeds Safflower Cashewnut Moth Other Cereals
Rice Gram Potato Masoor Arecanut
Coconut Niger seed

Crop1
- Null
- Arecanut
- Arhar/Tur
- Bajra
- Banana
- Barley
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- Dry chillies
- Dry Ginger
- Garlic
- Ginger
- Gram
- Groundnut
- Guar seed
- Horse-gram
- Jowar
- Jute
- Khesari
- Linseed
- Maize
- Masoor
- Mesta
- Moong(Green Gra..
- Moth
- Niger seed
- Oilseeds total
- Onion
- Other Cereals

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Season1
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- Summer
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## Region

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Season Based cultivation area

## 4.Advantages & disadvantages

It gives a clear view to update the features and fecilities to develop the cultivation.

It  helps to the formers for marketing.

It also have a disadvantages.

In this field mostly we can face unexpected weather changing.

And also the irrigation problems.

## 5.Applications

Modifying soil.

Modifying crops.

Producing forest crops.

## 6.Conclusion

In the above description the purpose, empathy map, brainstorming,advantages and disadvantages and applications of the agriculture as well as the result are explained.

## 7.Future Scope

The agriculture sector focuses on the food and supplies food to feed a country's growing population. As a result, the agriculture sector is capable of meaning nearly all of its population's Food requirements by developing a regorous plan to increase the creation of foodstuff.