INTRODUCTION

1.1 Overview

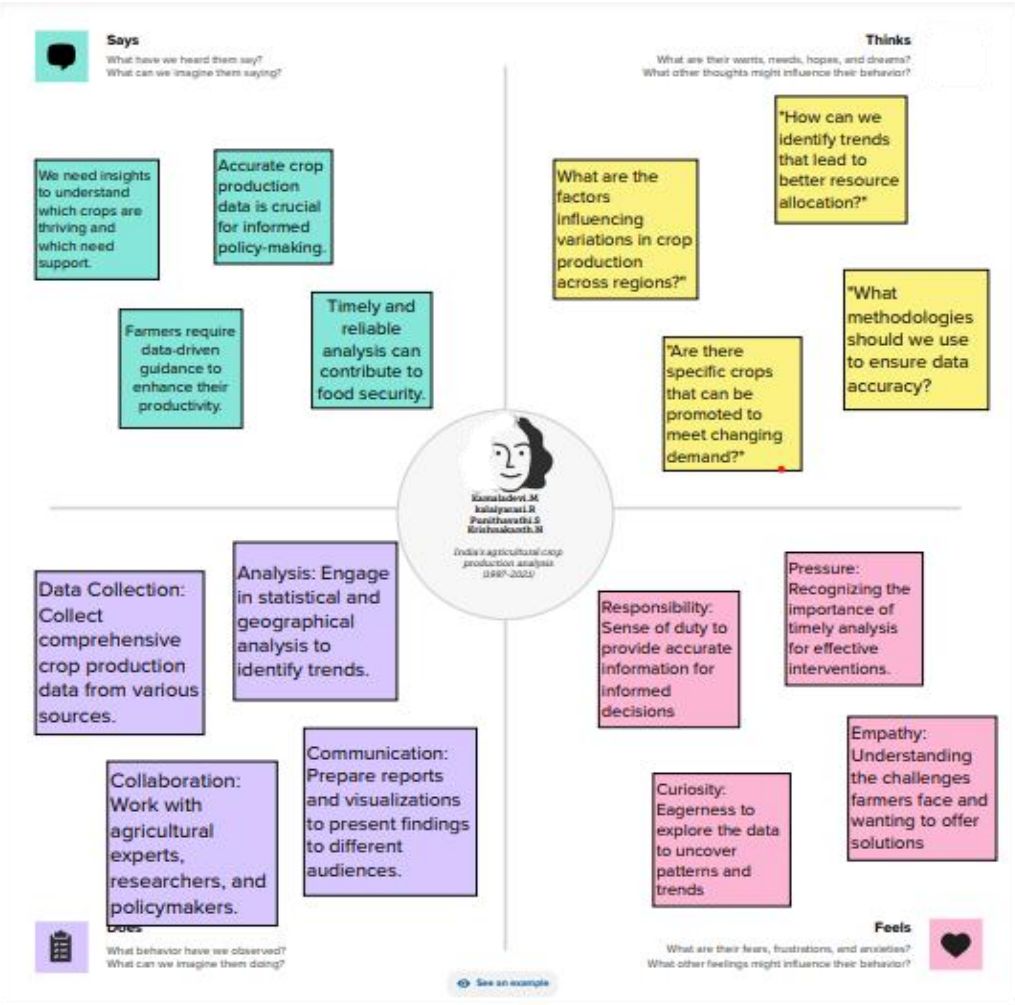
India is a vast country known for its diverse agriculture. In simple term, India grows a wide variety of crops like rice,wheat,cotton,sugarcane,and more. The analysis of this crop production helps us understand how much food and resources India can provide each year,which is crucial for feeding its large population and supporting its economy.

1.2 Purpose

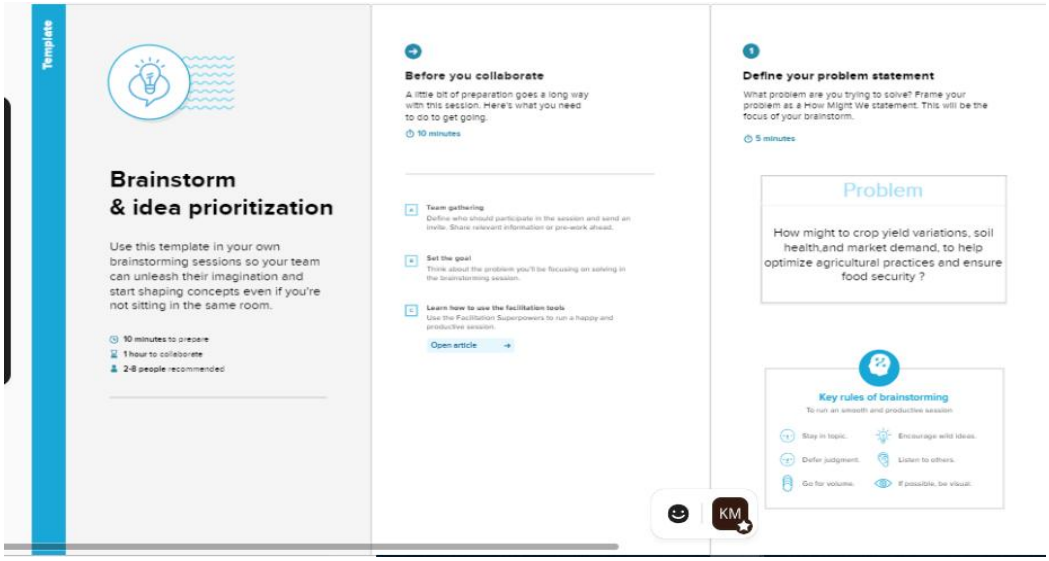
The purpose of analysing India's agricultural crop production is to figure out how much food and resources the country can produce.This helps ensure there's enough food for people to eat, materials for industries,and also helps in planning for the country's economic development.

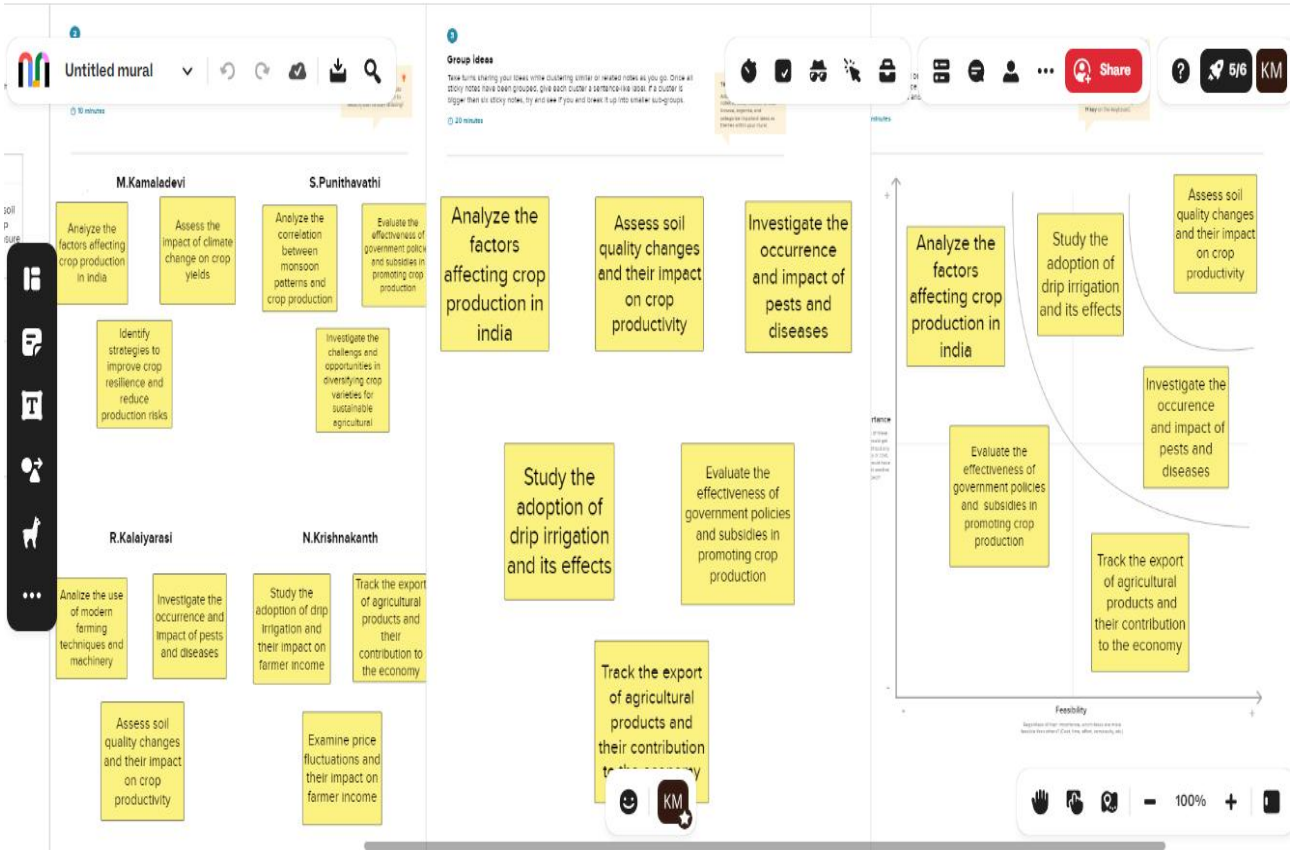
Problem Definition & Design Thinking

2.1 Empathy Map



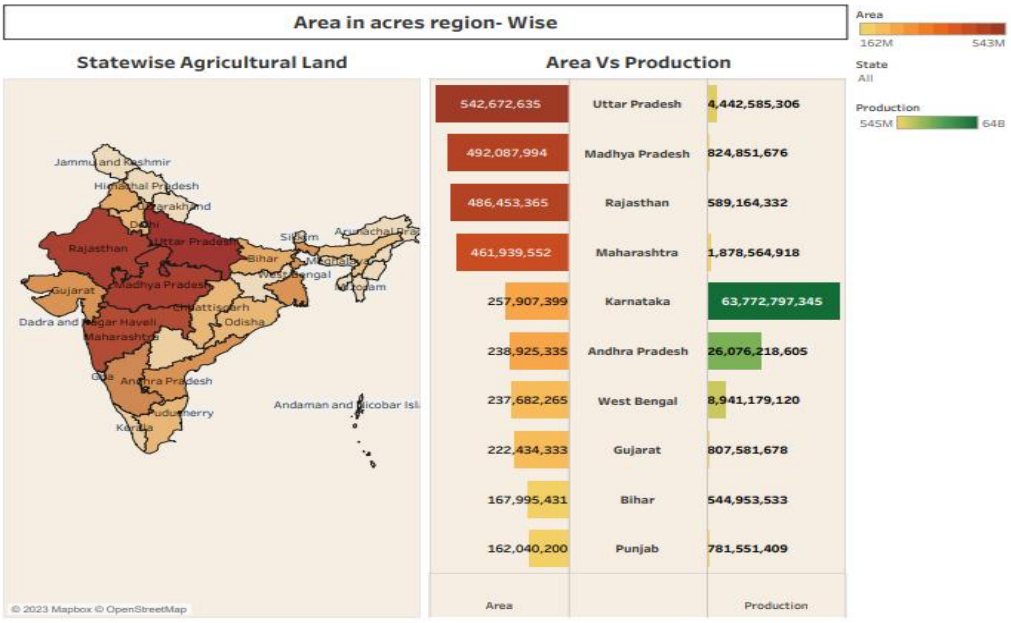
2.2 Ideation & Brainstorming Map

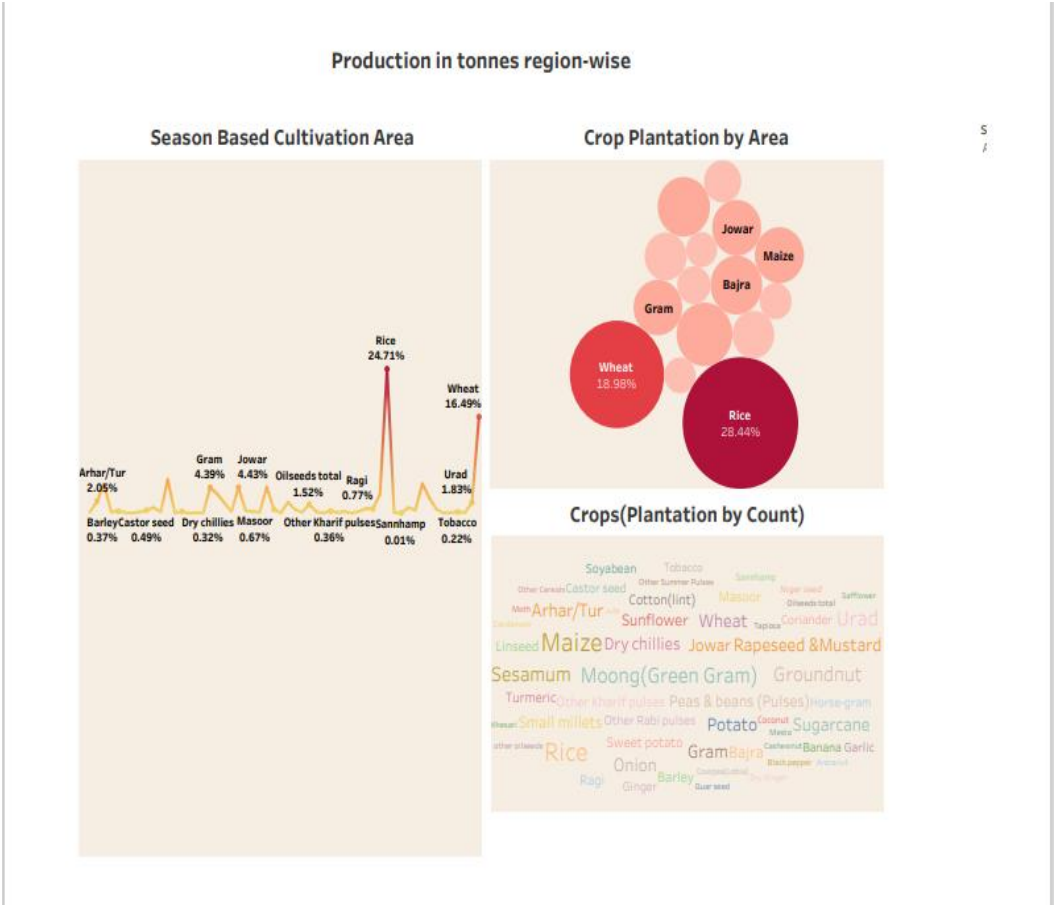


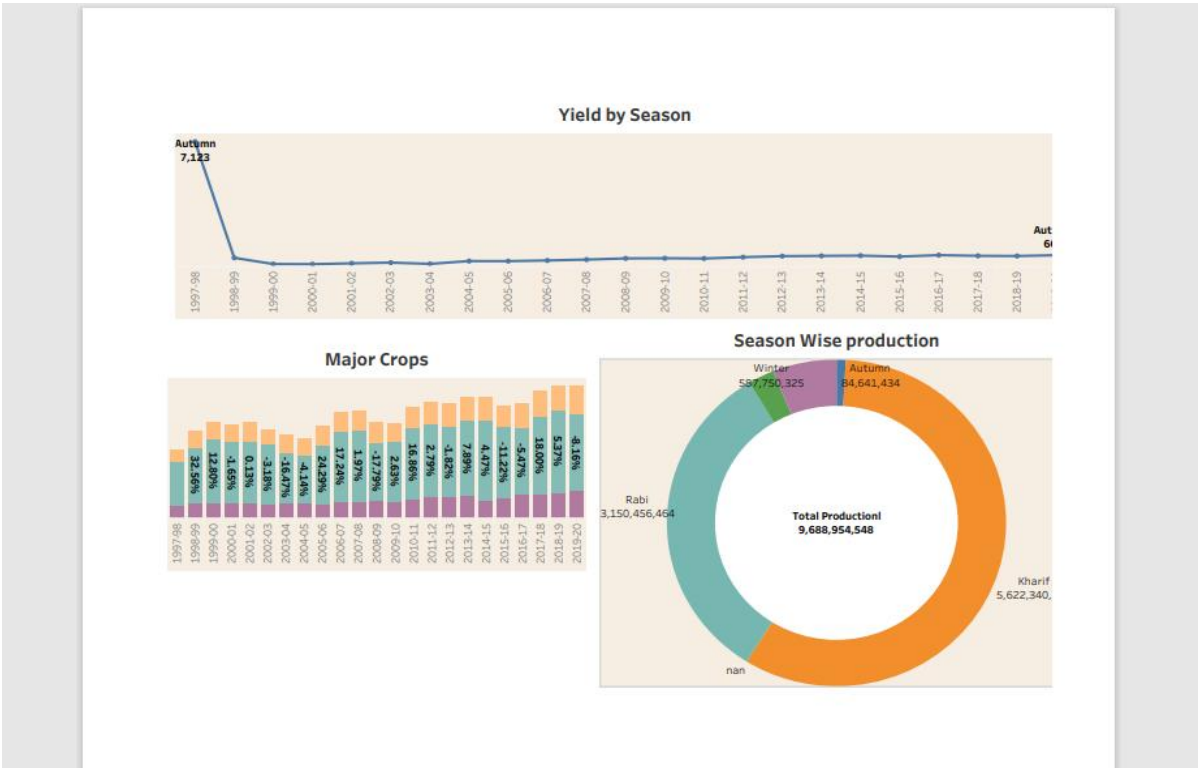


Result

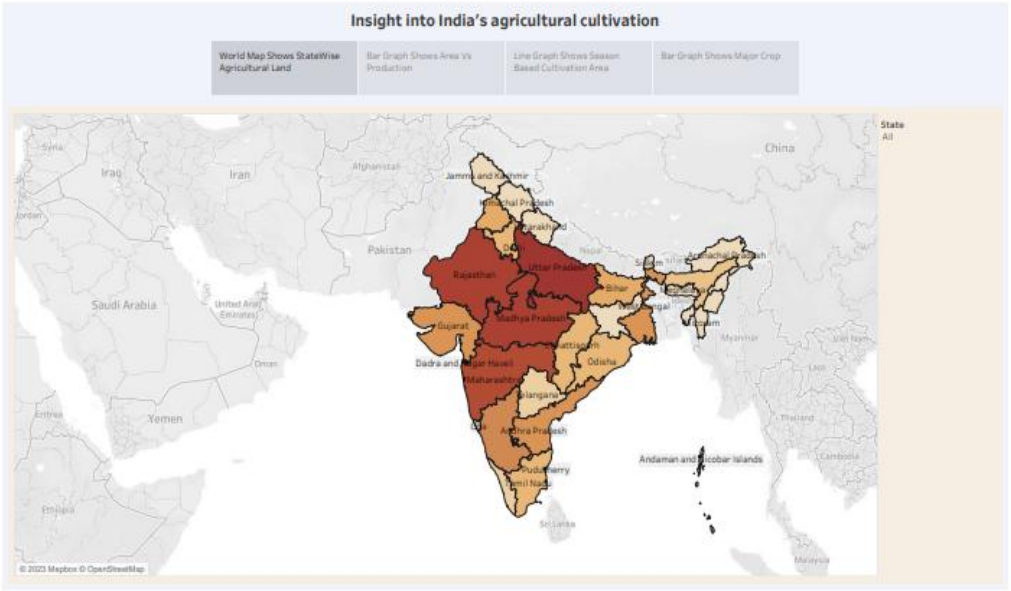
Dashboard






Yield by Season
Autumn
7,123
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
Major Crops
32.56%
12.80%
-1.65%
0.13%
-3.18%
-16.47%
-4.14%
24.29%
17.24%
1.97%
-17.79%
2.63%
16.86%
2.79%
-1.82%
7.89%
4.47%
-11.22%
-5.47%
18.00%
5.37%
-8.16%
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
Season Wise production
Winter
587,750,325
Autumn
84,641,434
Rabi
3,150,456,464
Total Production
9,688,954,548
Kharif
5,622,340,
nan

Story


Insight into India's agricultural cultivation
World Map Shows StateWise Agricultural Land
Bar Graph Shows Area Vs Production
Line Graph Shows Season Based Cultivation Area
Bar Graph Shows Major Crop
State
All
China
Iraq
Iran
Afghanistan
Pakistan
Saudi Arabia
Yemen
Rajasthan
Gujarat
Madhya Pradesh
Odisha
Andaman and Nicobar Islands
Sri Lanka
Thailand
Cambodia
Myanmar
Malaysia
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Insight into India's agricultural cultivation

World Map Shows StateWise Agricultural Land | **Bar Graph Shows Area Vs Production** | Line Graph Shows Season Based Cultivation Area | Bar Graph Shows Major Crop

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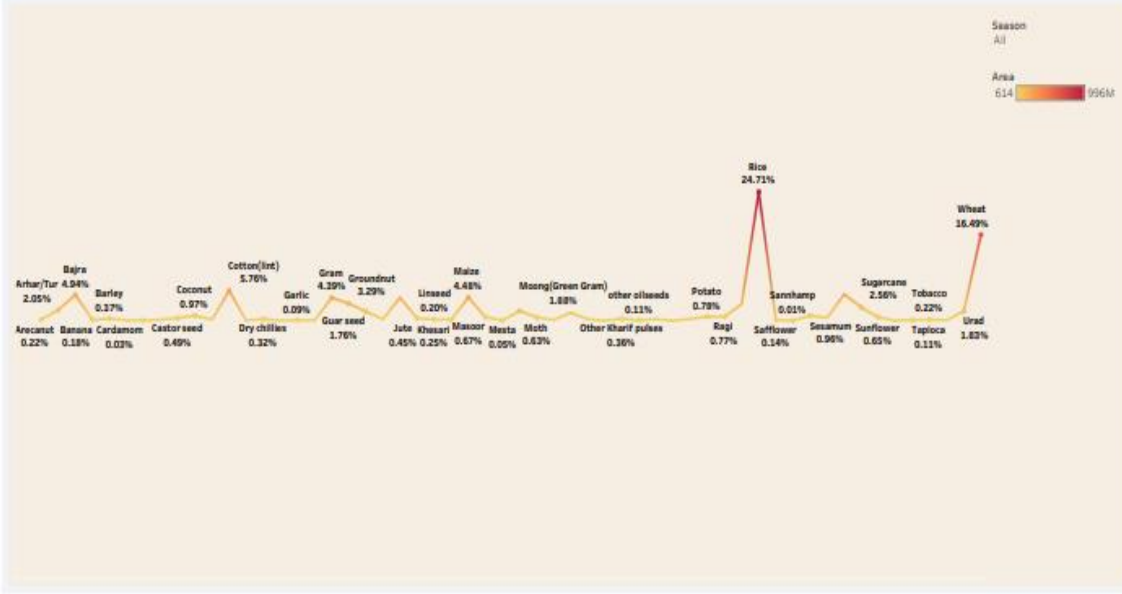

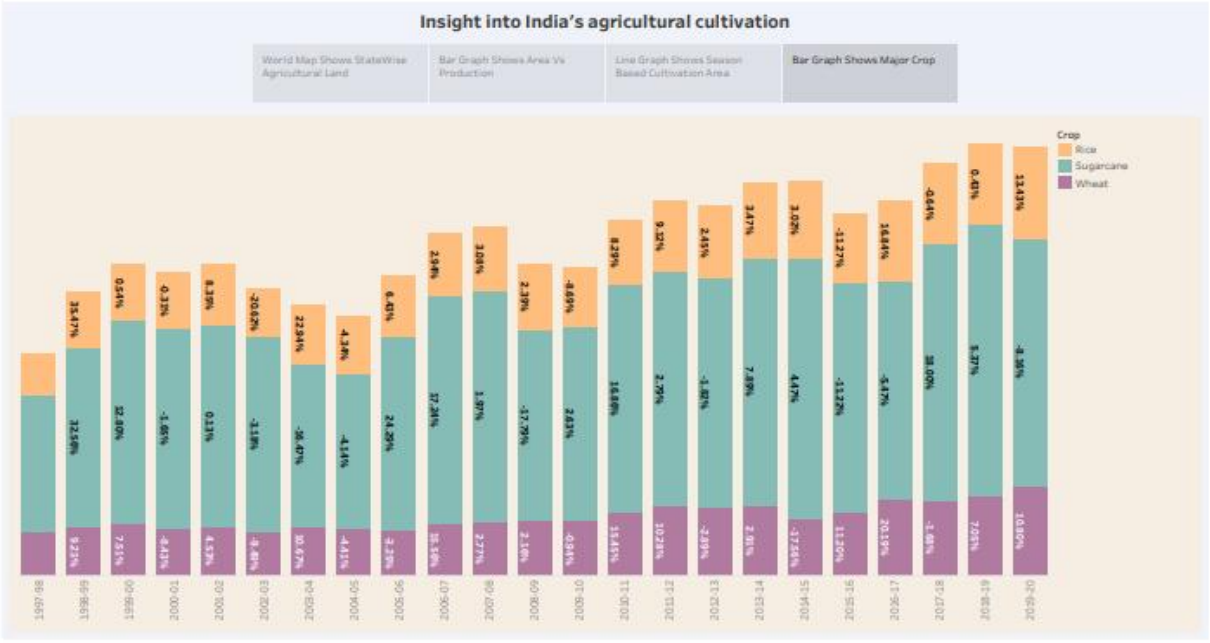

Advantages & Disadvantages

Advantages:

1.Analyzing crop production helps ensure there's enough food for everone in India.

2.It supports the economy by providing raw materials for industries and employment for many people.

3.Surplus crops can be sold to other countries, boosting income.

Disadvantages:

1.Bad weather or other factors can lead to poor harvests, causing food shortages.

2.Intensive farming can harm the environment through soil degradation and excessive water use.

3.Crop production analysis can't always prevent price swing, and consumers.

Applications

1.It helps farmers know when and what to plant based on past data and weather predictions.

2.It aids in distributing food efficiently across the country, reducing shortages.

3.Helps farmers and policymakers prepare for potential crop failures.

4.Helps decide how much surplus produce can be sold abroad.

5.Supports agricultural research to improve crop yields and sustainability.

Conclusion

In conclusion, analysing crop production in India is vital for ensuring there's enough food,supporting the economy ,and making smart farming decisions. It helps us feed people, create jobs, and plan for the future.

Future Scope

The future of agricultural in India looks promising, with a focus on crafting high-quality products. This means using advanced techniques and technology to produce better crops and livestock. Analyzing this shift can help improve farming practices and boost the country's agricultural economy.