

PROJECT REPORT

(Data Literacy with Tableau)

Title :Indian Agricultural Crop Production (1997-2021)

1.Introduction

1.1 Overview

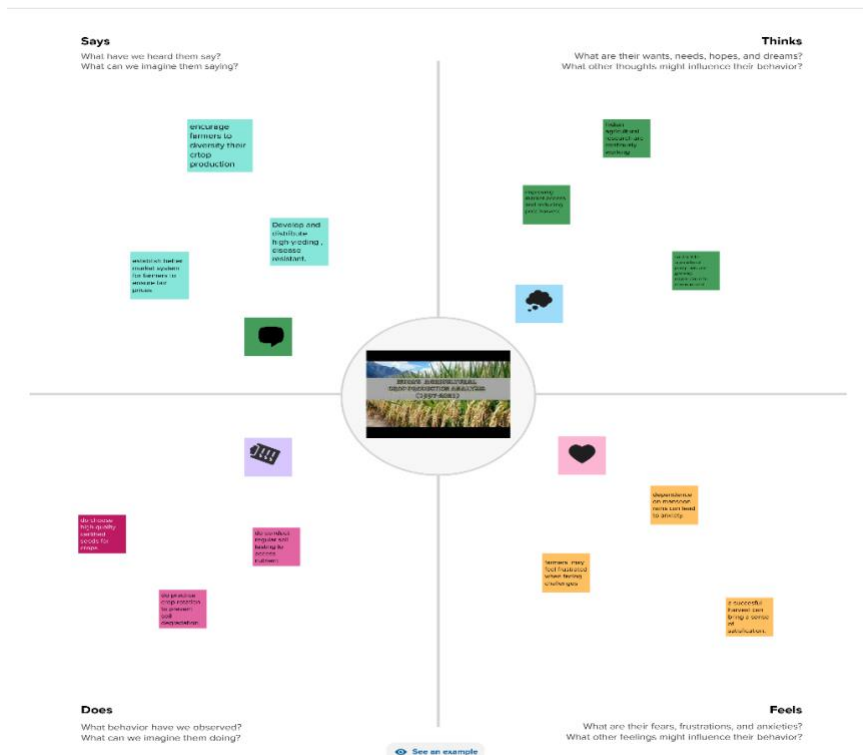
The analysis of Indian agricultural crop production involves a holistic assessment of the nation's crop output, including various crops like rice, wheat, and more. It encompasses data collection, monitoring, and evaluation of factors such as climate, soil quality, irrigation, technology adoption, and government policies.

1.2 purpose

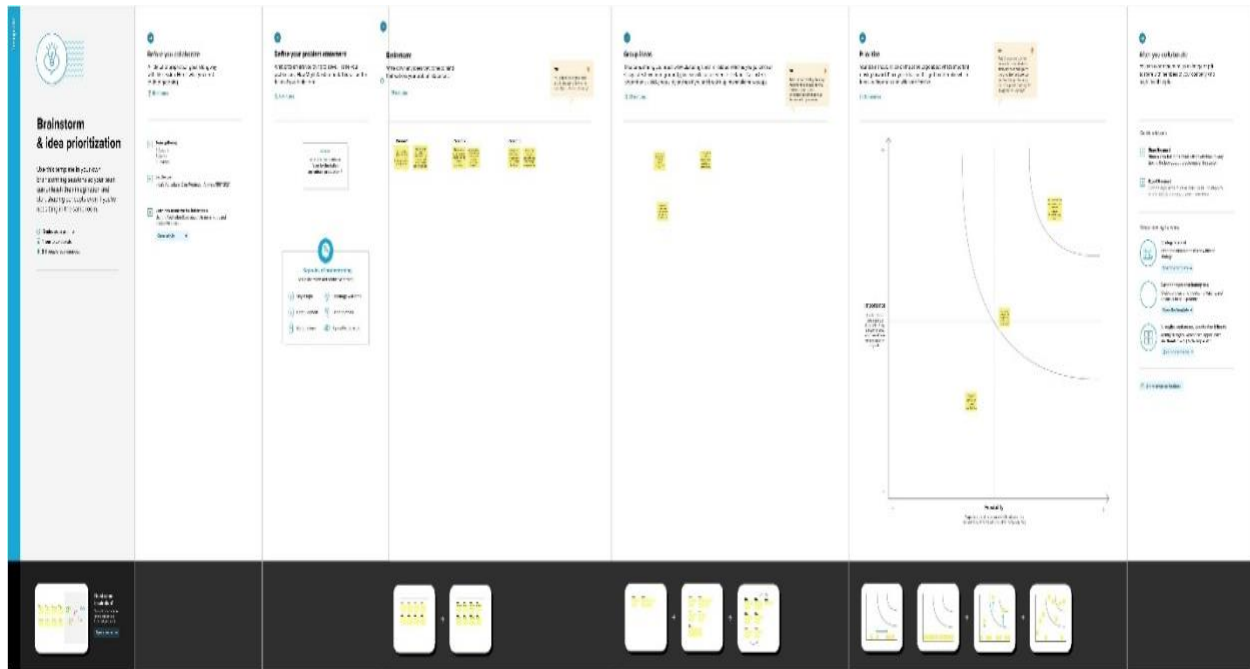
The purpose of Indian agricultural crop production is to meet the food and fiber needs of the country's growing population, ensure food security, generate income for farmers, contribute to the national economy, and support rural livelihoods.

2.Problem definition & Design Thinking

2.1 Empathy map

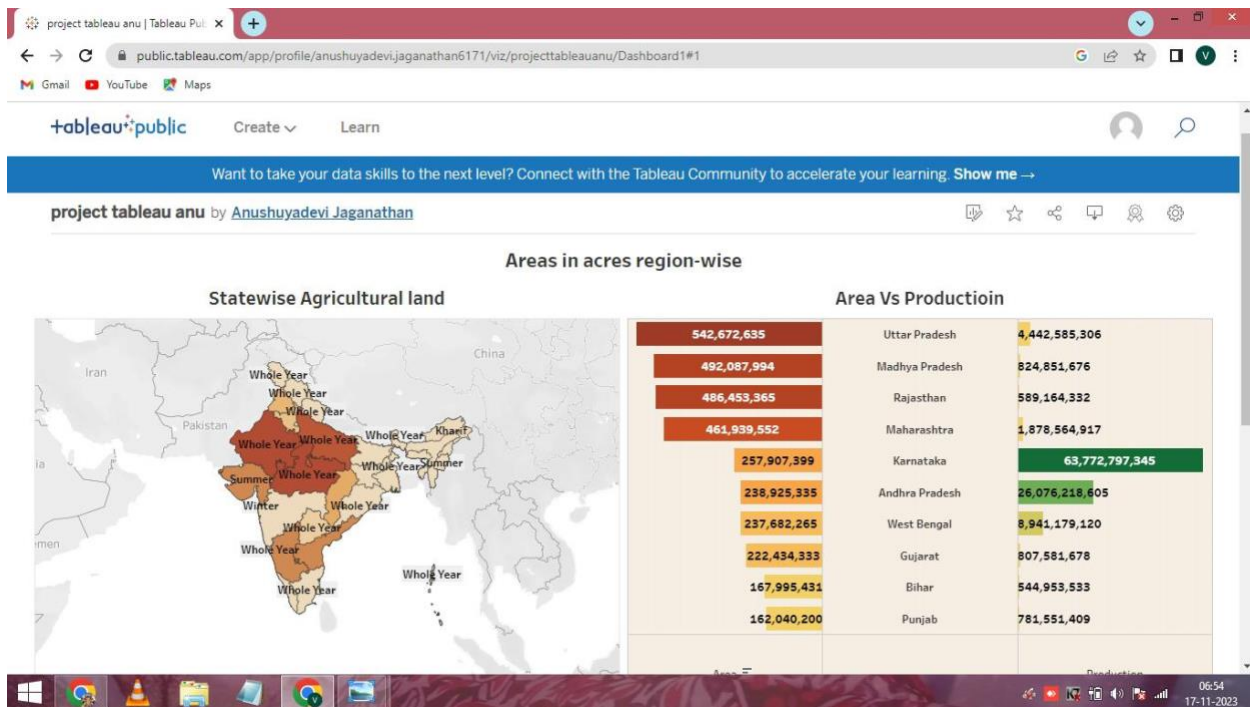


2.2 Brainstorming

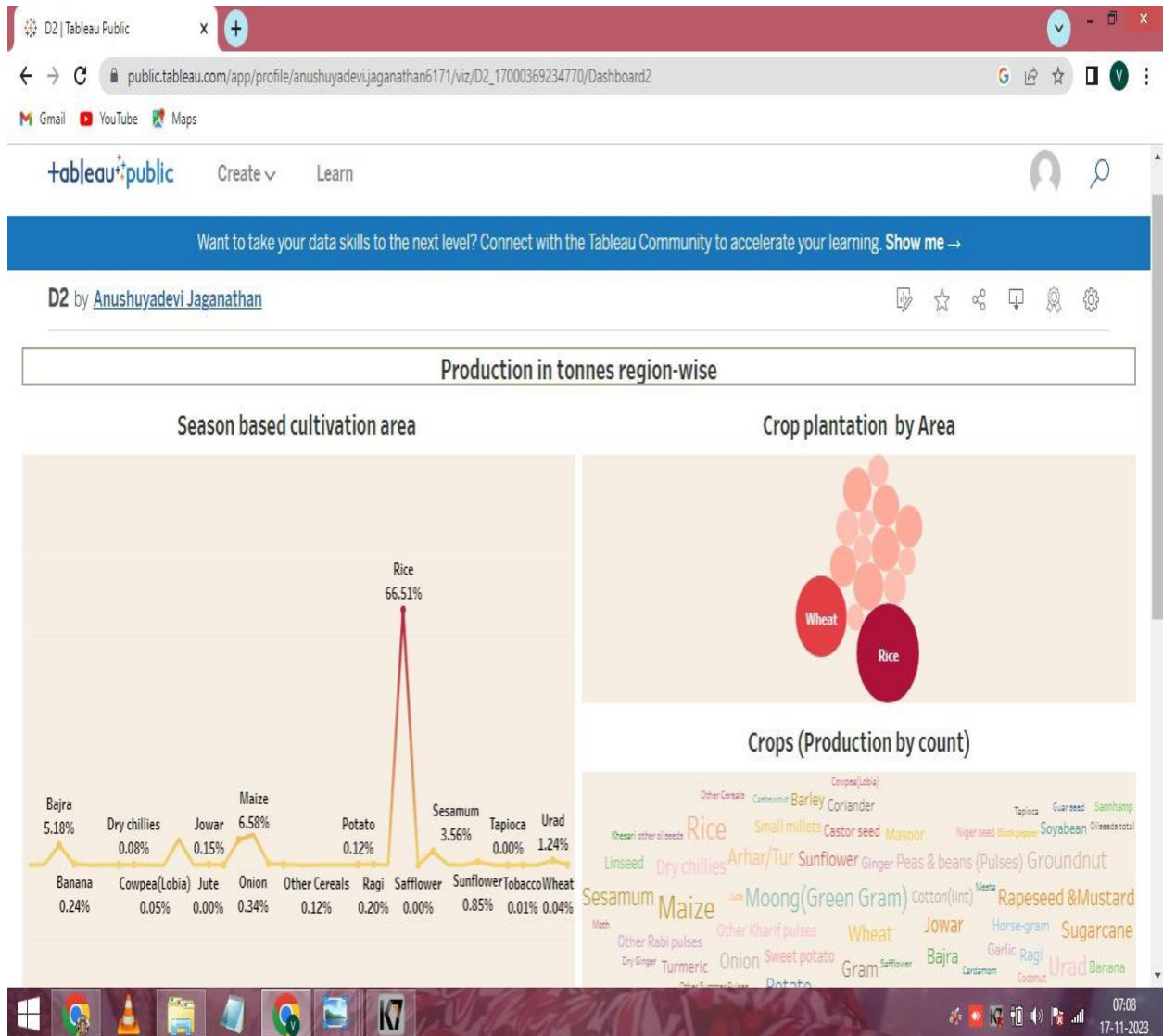


3.Result

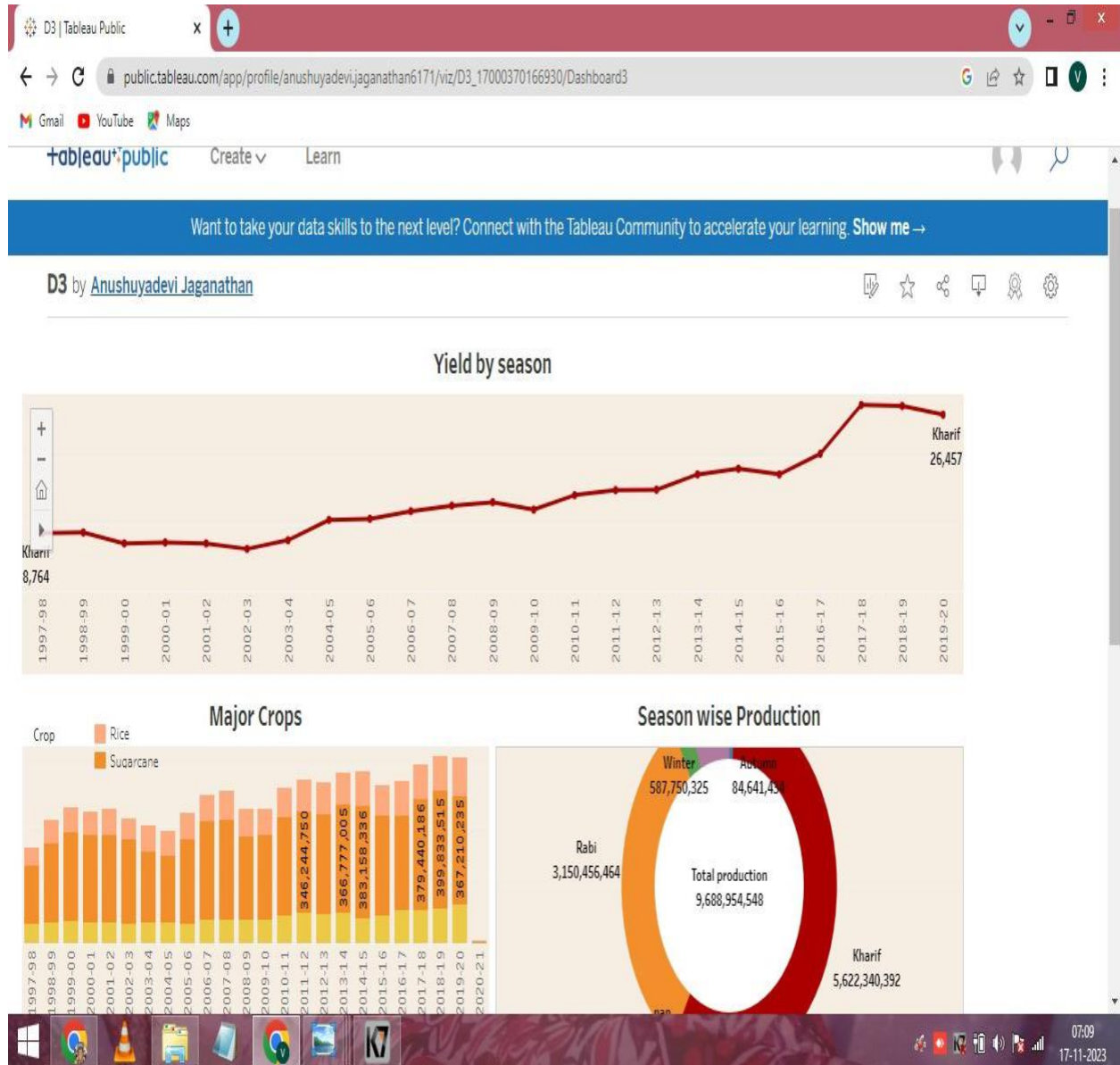
Dashboard 1



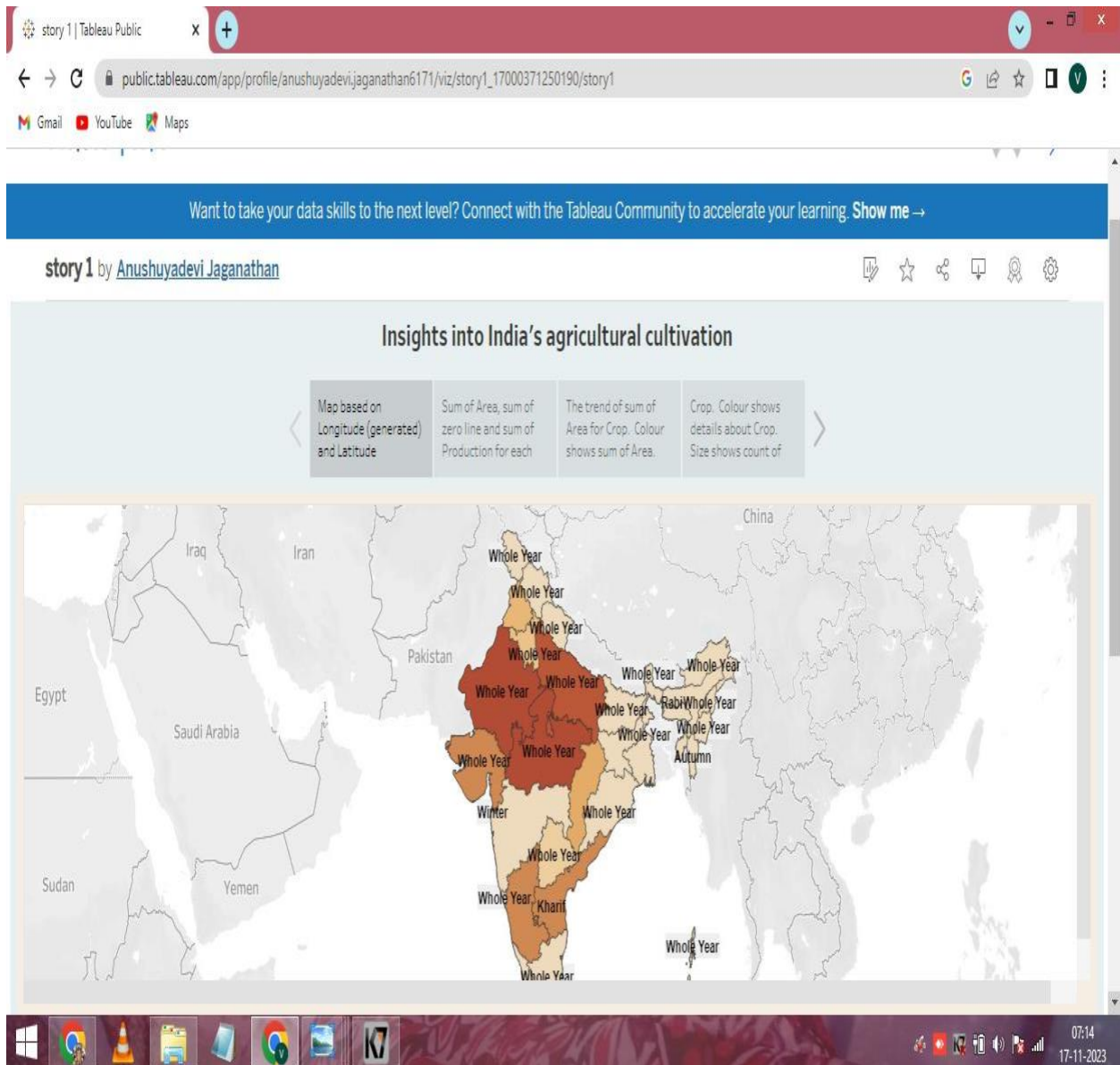
Dashboard 2



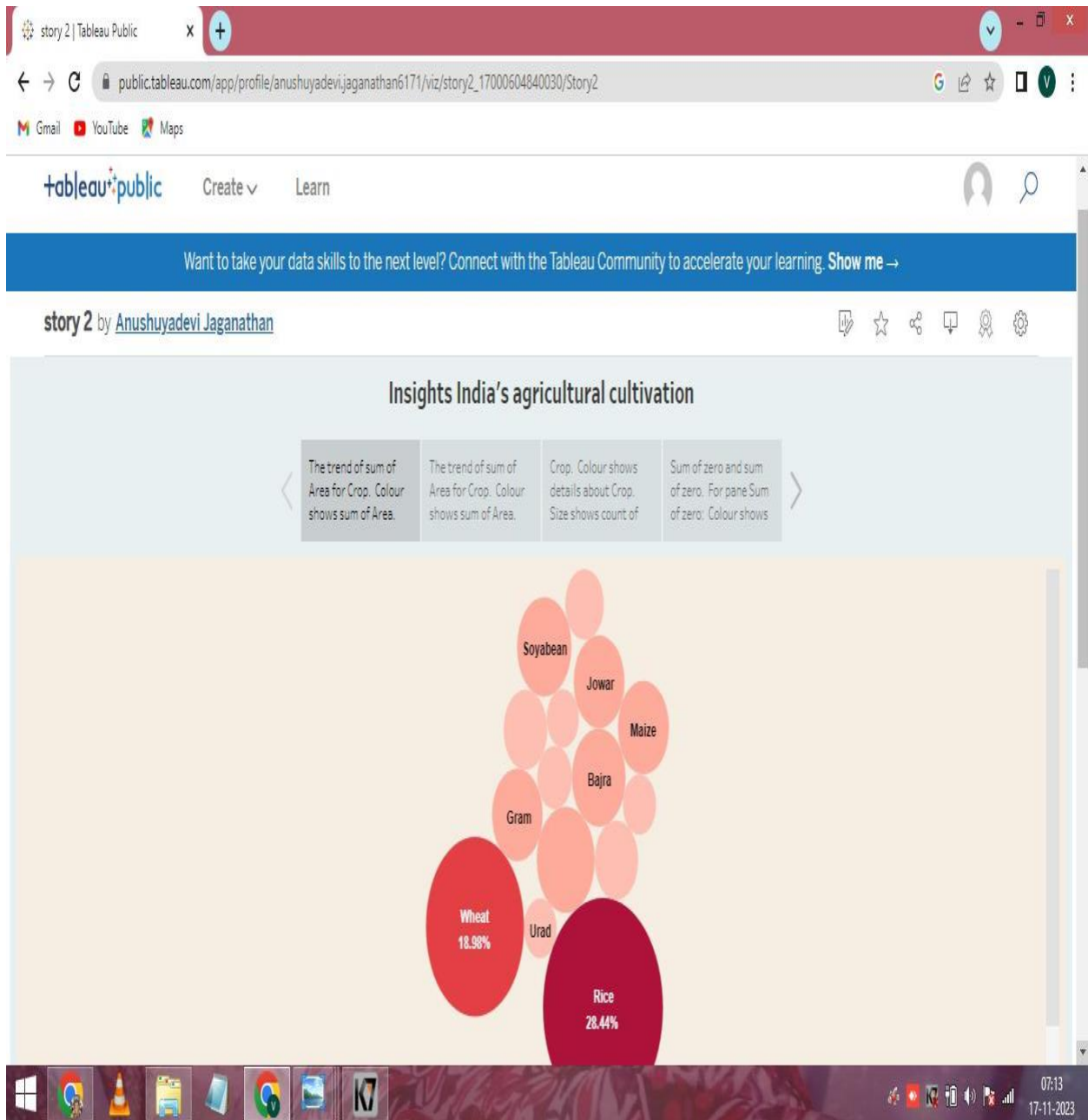
Dashboard 3



Story 1



Story 2



4. Advantages & Disadvantages

Advantages

Indian agricultural crop production has several advantages:

- Diverse Agro-climatic Zones
- High Crop Diversity
- Large Workforce:
- Rich Biodiversity
- Agricultural Exports

Disadvantages

Indian agricultural production faces several disadvantages:

- Weather Vulnerability
- Small Landholdings
- Lack of mechanization
- Pests and DiseasesMarket Fluctuations
- Climate change.

5. Applications

- Food Security
- Livelihoods
- Exports
- Textile Industry
- Animal Feed
- Bioenergy

6. Conclusion

In conclusion, Indian agricultural crop production is a vital sector with the potential to support food security, economic growth, and rural livelihoods. However, it faces various challenges, including weather vulnerability, land degradation and resource constraints. To overcome these obstacles and ensure sustainable crop production, India needs to invest in modern farming practices, irrigation infrastructure, research and development, and provide support to smallholder farmers.

7. Future scope

The future of Indian agricultural crop production is filled with both opportunities and challenges. India's growing population and changing dietary preferences create a substantial demand for diverse crops. To meet this demand, the agricultural sector can embrace modern technologies, precision agriculture. Indian agricultural crop production has the potential to not only meet domestic needs but also become a significant player in the global agricultural market, contributing to food security and economic development.