

WELCOME

TO



FUNDAMENTAL OF DATA LITERACY WITH TABLEAU

Project Name: India's Agricultural Crop Production Analysis (1997 - 2021)

3rd BSC PHYSICS

TEAM NM ID : 927DDB1B2CA67588C6D44FEDCDDE3BC5

This a group project, we are including four members on this project

I am team lead: REENA. K

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Under the guidance of

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INDIA'S AGRICULTURAL CROP PRODUCTION ANALYSIS

[1997-2021]

1.INTRODUCTION:

1.1 Overview:

According to the world Bank, India is a global agriculture in a powerhouse. It is the World's largest producer of milk, pulses, and spices, and has the World's Largest cattle herd (buffaloes), as well as the largest area under wheat, rice and Cotton.

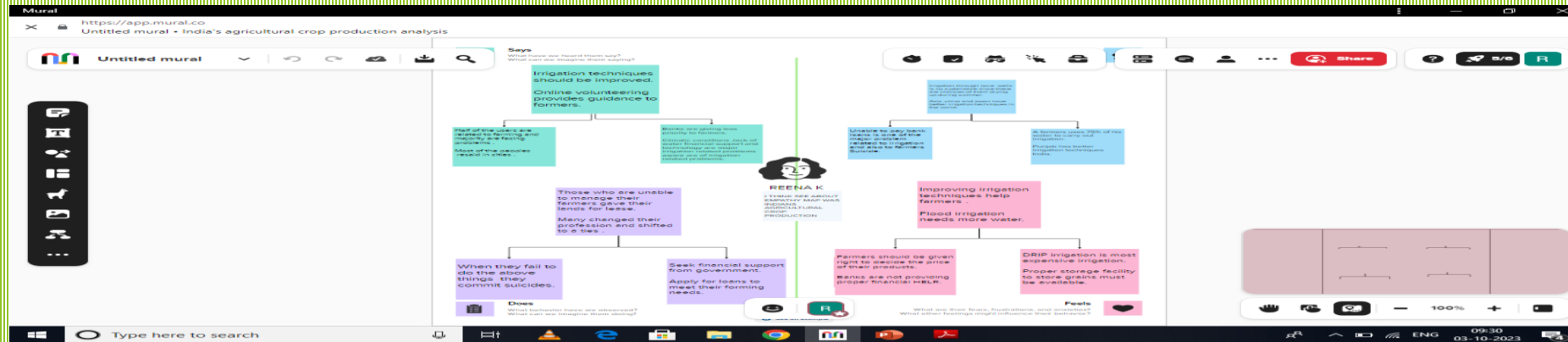
1.2 Purpose:

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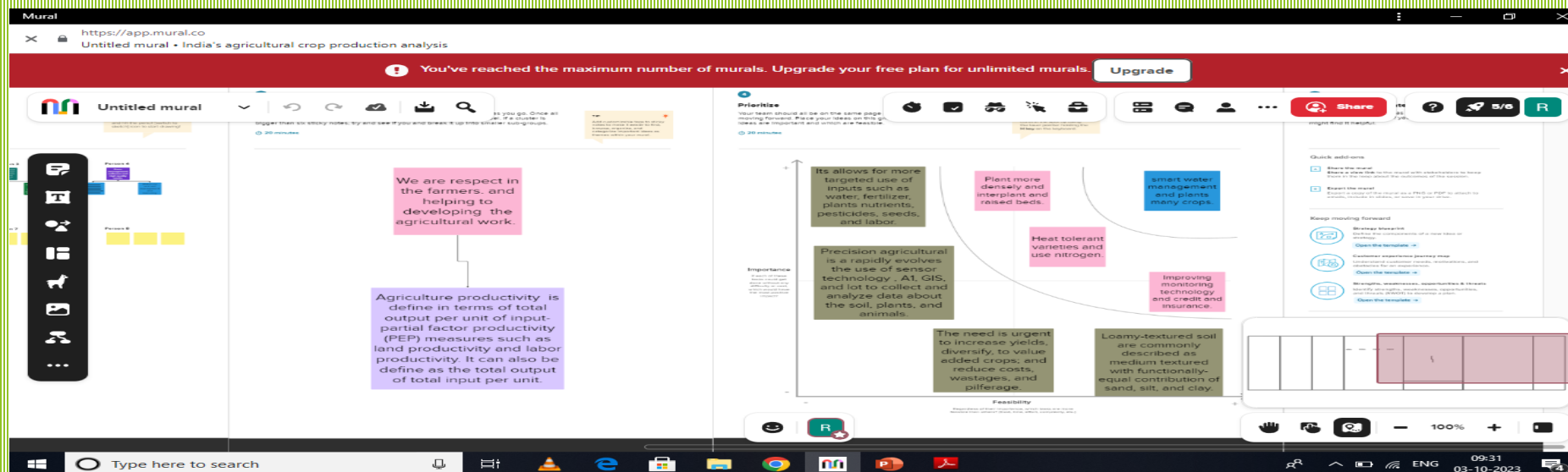
Doing an exploratory data analysis of this datasets would give insights in to Indian Agricultural status: state-wise, district-wise, crop-wise, area-wise and levels of production. A complete analysis will paint a beautiful story of this important aspect of India.

2.Problem definition & Design thinking

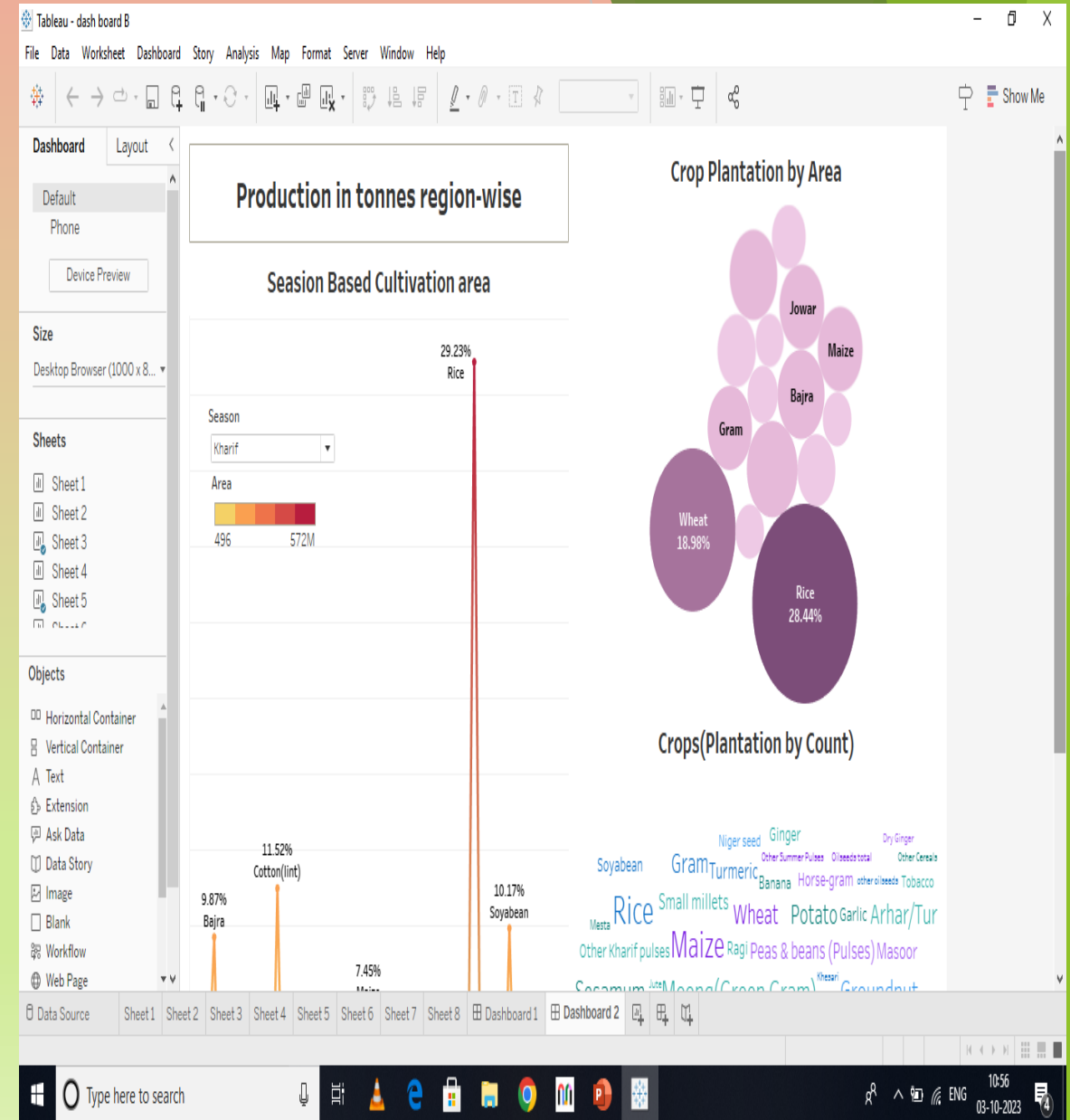
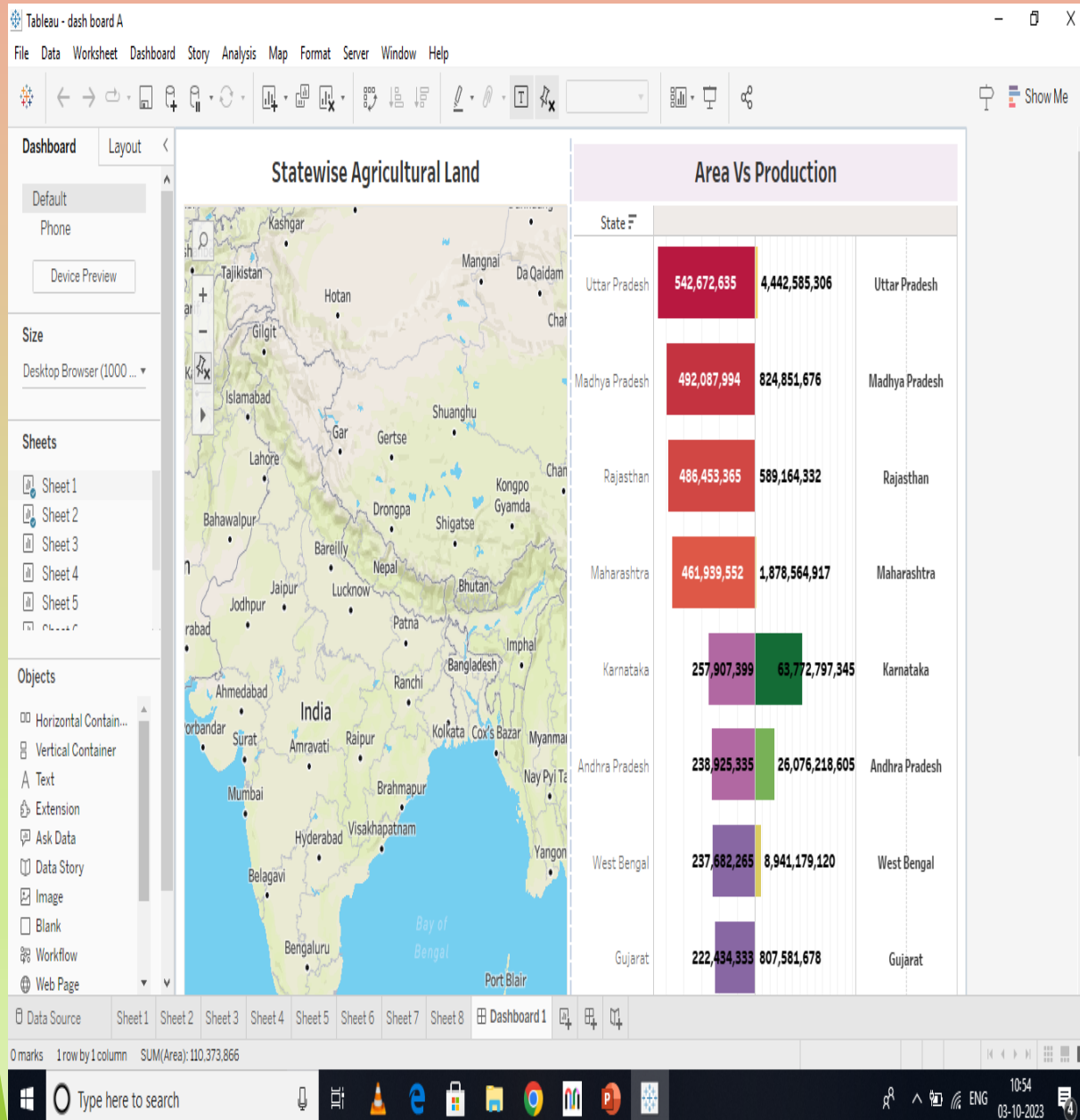
2.1 Empathy Map :

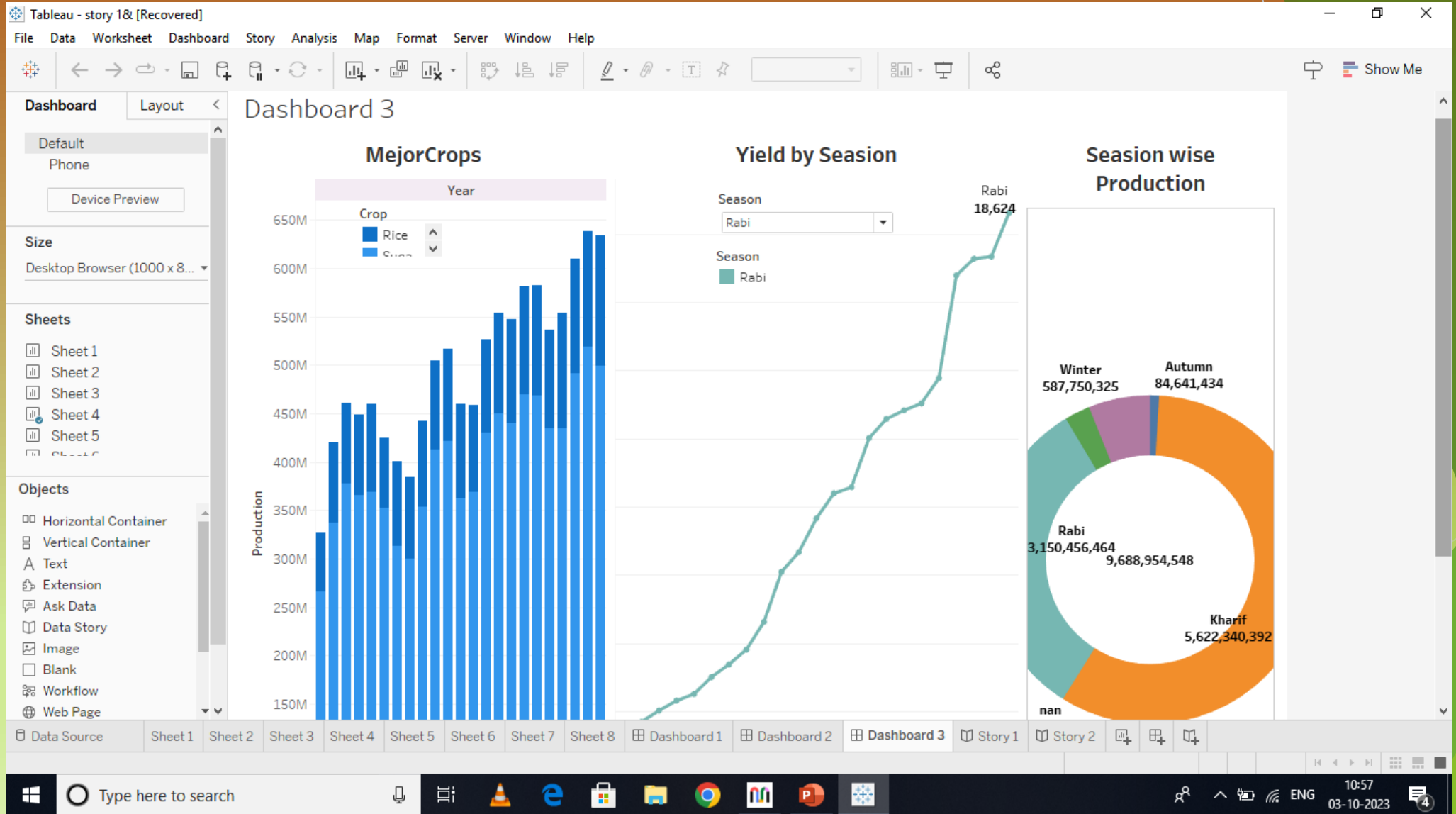


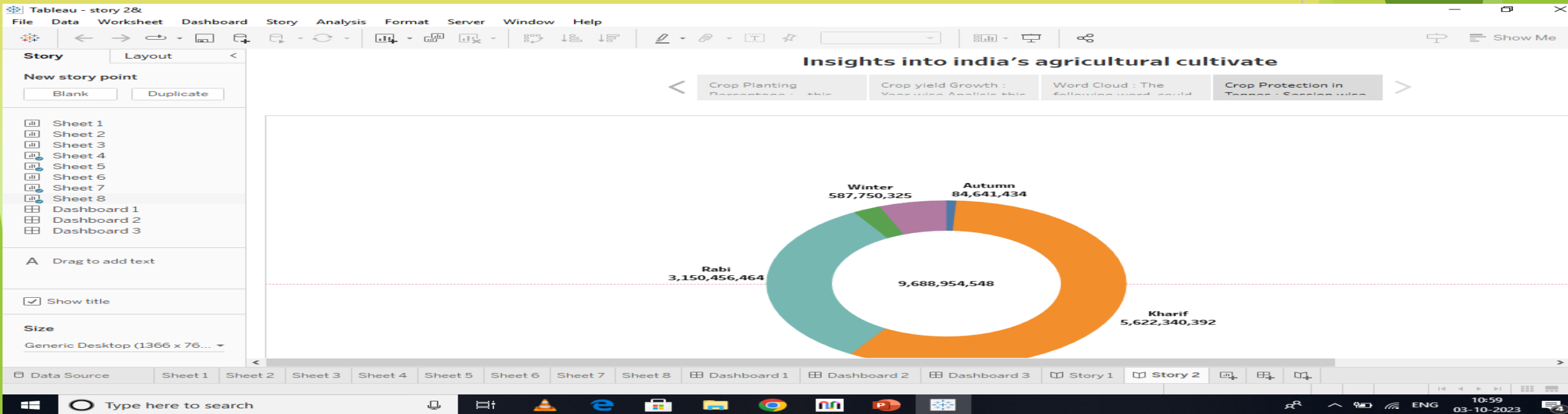
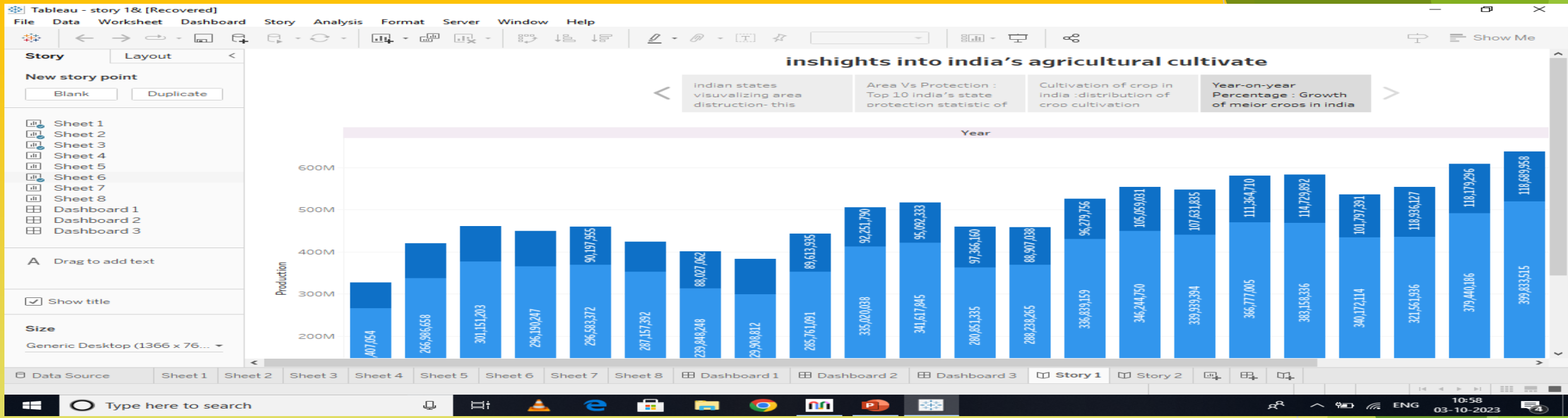
2.2 Ideation & Brainstorming Map:



3.RESULT







4. ADVANTAGES & DISADVANTAGES

Advantages :

- Improve crop Quality
- Reduced Environmental Impact
- Increased Food Production
- Economic benefits

Disadvantages:

- Biodiversity Loss
- Water pollution
- Health Risks
- Food safety Concerns

proposed Solution:

- Raising the productivity per unit of land will need to be the main engine of Agriculture growth as virtually all cultivable land is farmed.
- Water resource are also limited and water for irrigation must contend with Increasing industrial and urban needs.

Applications:

- Agricultural land Monitoring.
- Crop area estimation & Production forecast.
- Agriculture drought Assessment & Monitoring
- .
- Horticulture crop Area estimation & Monitoring.
- Cropping system Analysis.
- Global crop programme.
- Commend area & Water resource Monitoring.
- Soil mapping & Monitoring.
- Pest/Disease detection & incidence forecasting.
- Inland fishery Development.

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-up, as is the case with all other sectors of the economy.

7.Future scope:

Use nanotechnology to enhance food quality and safety,
effective use of input will be short.

The use of nanomaterials in agriculture will reduce waste,
reduce nutrient losses in fertilization,

And increase productivity through pest and nutrient management.

IFFCO has already successfully

Tested nano-fertilizers.

Thank you