

# PROJECT REPORT

## 1 INTRODUCTION

### 1.1 Overview:

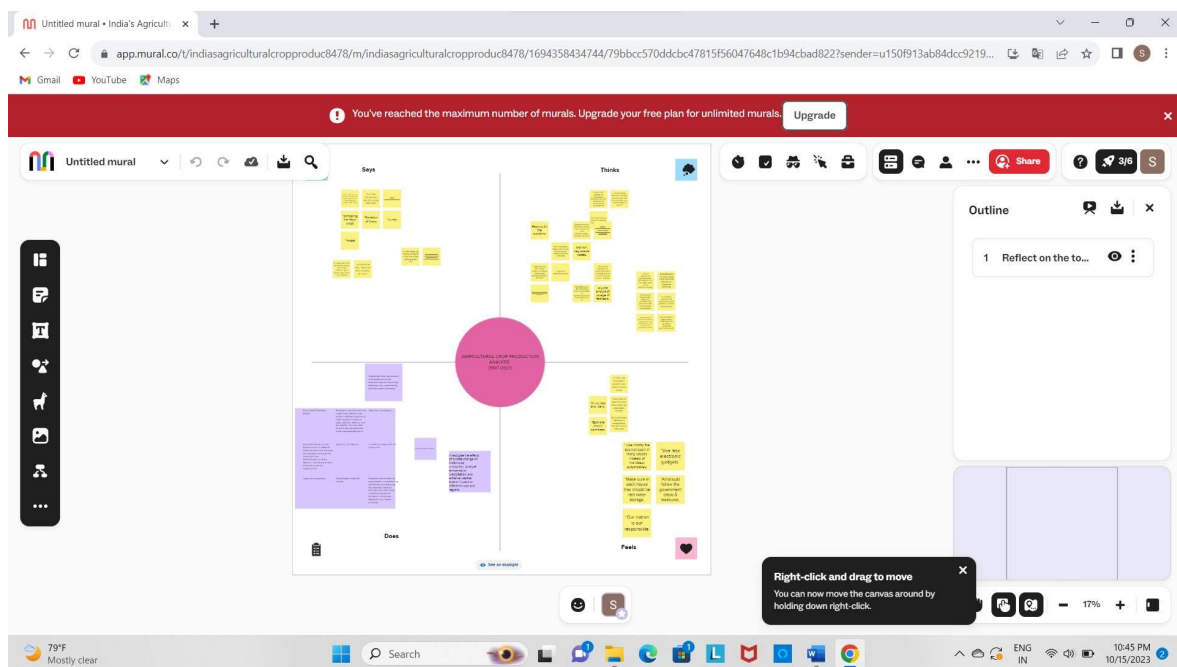
In this project we have explained about **India's agricultural crop production and analysis**. In this we can see the growth of crop production analysis by the tableau and we have explained the advantages and measures to overcome it in brainstorm and empathy map.

### 1.2 Purpose

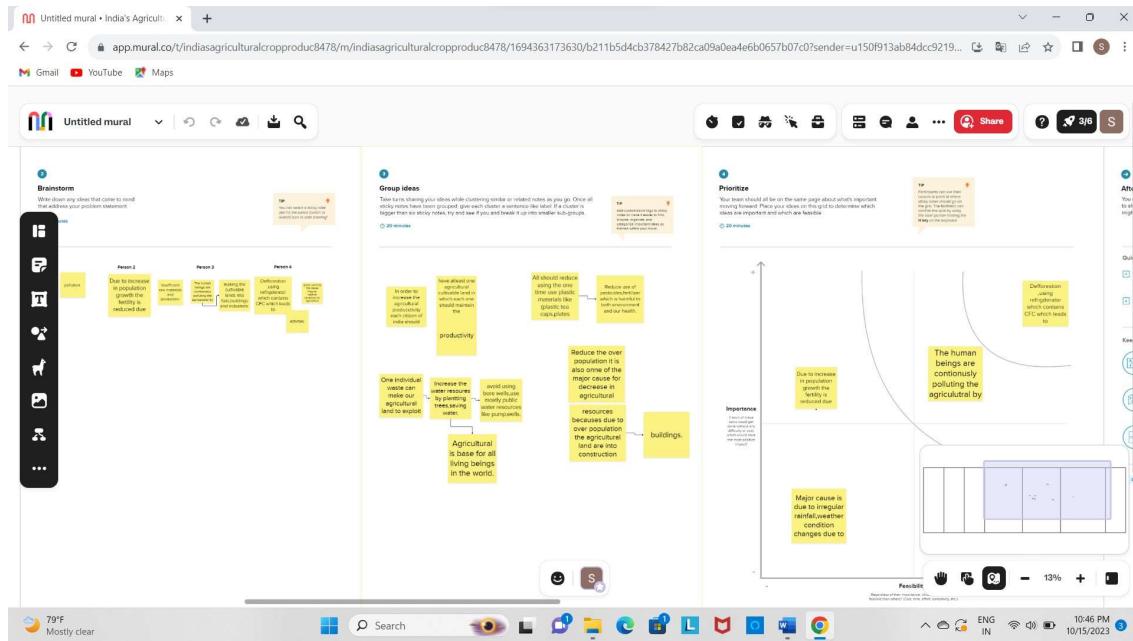
The purpose is to know and publish the situation of agricultural in india by comparing the years ,states and districts. By this we can clearly understand the state with more agricultural production by view.

## 2 PROBLEM DEFINITION&DESIGN THINKING

### 2.1 Empathy Map

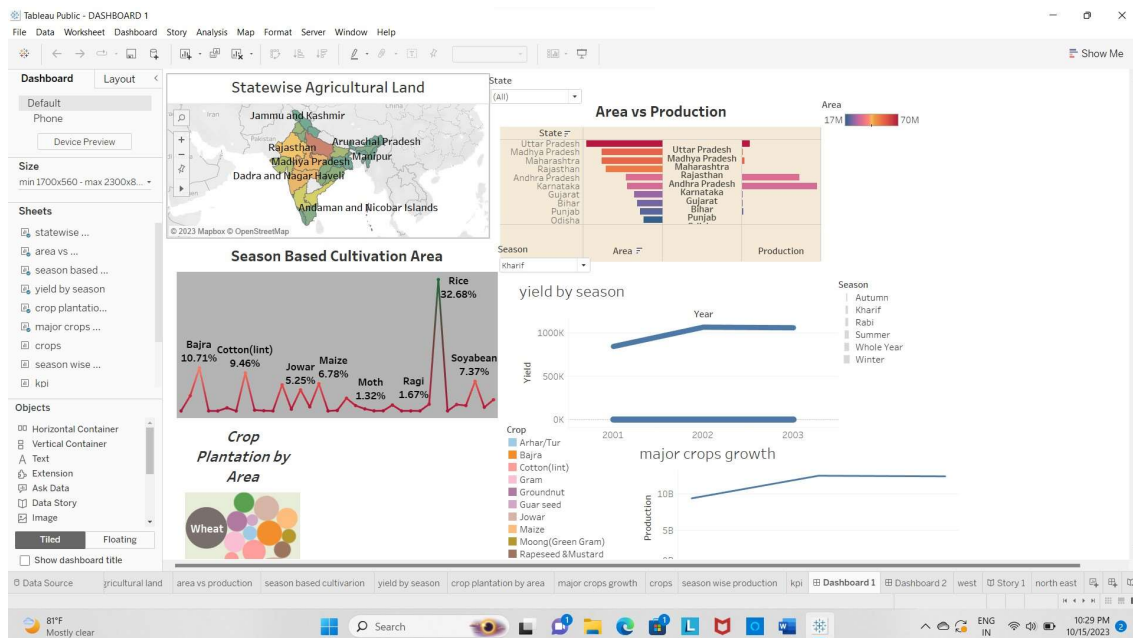


## 2.2 Ideation& Brainstorm Map

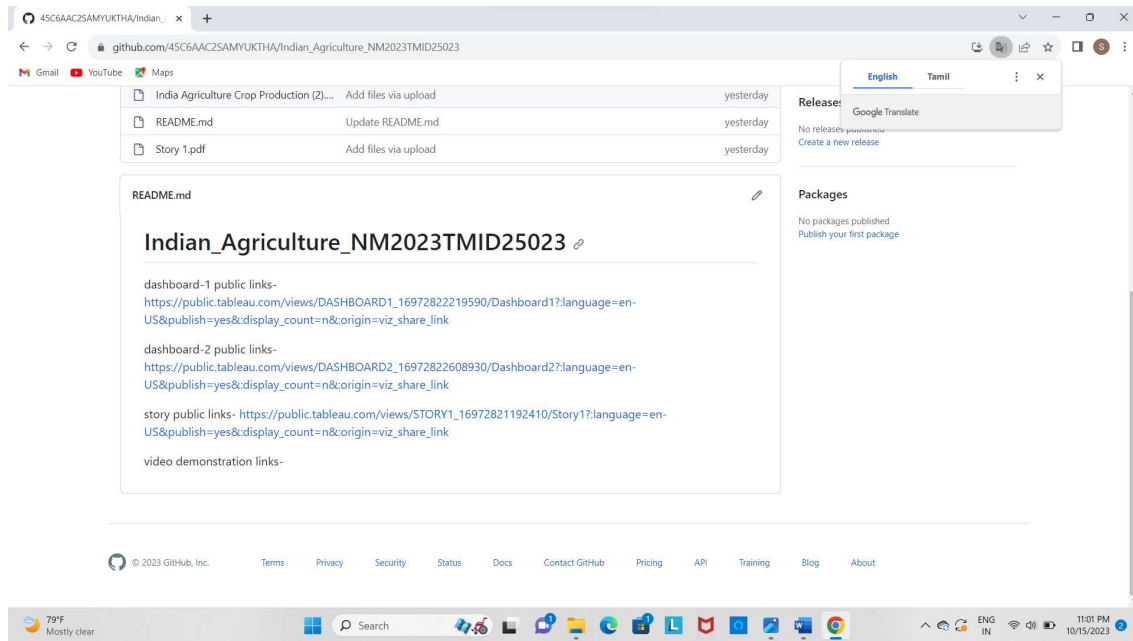


## 3 RESULT

### Dashboard 1







## 4 ADVANTAGES AND DISADVANTAGES

### ADVANTAGES:

1. India is known for its diverse range of crops including rice, wheat ,cotton ,sugarcane  
Providing food security and a variety of export.
2. India's vast population provides significant agricultural workforce , supporting crop cultivation and ensuring food production
3. The country's climate zones allow year-round crop production which is crucial for meeting both domestic and international.
4. India is a major exporter of agricultural products eg: rice ,cotton , spices etc.
5. India has a rich heritage of agricultural knowledge.

### DISADAVNTAGES:

1. The main disadvantages is that the farmers are having small land holdings,making it challenging to adopt to modern techniques
2. Water scarcity plays a major role is less production of crops
3. India 's agriculture is heavily depends on monsoon rains
4. Excessive use of pesticides and fertilizers which makes soil fertility poor

5. The agricultural sector has limited mechanization.

## **5 APPLICATIONS**

This data can be used to know the Indian agricultural growth and production rate of crops or it can be known for specific crops also by this we can find the solution to overcome the problems and by simple diagrams all can understand clearly its normally called as a bird's eye view.

## **6 CONCLUSION**

India is major source of india agriculture and it is major export of products and the state which is rich in agricultural resources and the major production of crop by this we can know the production rate , yield rate d by state and the measure to increase the agricultural development by introducing new modern techniques and to make the farmers stable to overcome all situation.

## **7 FUTURE SCOPE**

The major reason is to make each and every individual to be a part of agriculture. And to make soil fertile and avoid using pesticides and increase agricultural instead of building .

And in tableau I want to more features like anova , regression , and t-test F-test for more statistical analysis.