

# **FUNDAMENTALS OF DATA ANALYTICS WITH TABLEAU**

## **PROJECT TITLE**

**India's Agriculture Crop Production  
Analysis (1997-2021)**

**NAAN MUDHALVAN PROJECT ID:**

**NM2023TMID28026**

## **TEAM MEMBERS:**

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**COLLEGE**

**SIVAGANGAI-630561**

# **India's Agriculture Crop Production Analysis (1997-2021)**

## **Introduction:**

### **Description of project:**

This report delves into the captivating realm of India's agricultural cultivation, providing a comprehensive visual exploration of key aspects and trends in the agricultural sector. Through the visual representations, readers can gain valuable insights into crop production, seasonal variations, regional distribution, and overall production trends. These visualizations enable intuitive analysis, allowing stakeholders to uncover patterns, identify areas of growth or concern, and make data-driven decisions.

By harnessing the power of Tableau, this report not only presents the data in a visually appealing manner but also provides an interactive experience for readers to explore the intricacies of India's agricultural cultivation. To Extract the Insights from the data and put the data in the form of visualizations, Dashboards and Story we employed Tableau tool.

### **Uses:**

To increase quality and yields, it is crucial to understand the current nutrient levels of the soil to be able to ascertain which areas require improvement.

### **Problem Definition & Design Thinking:**

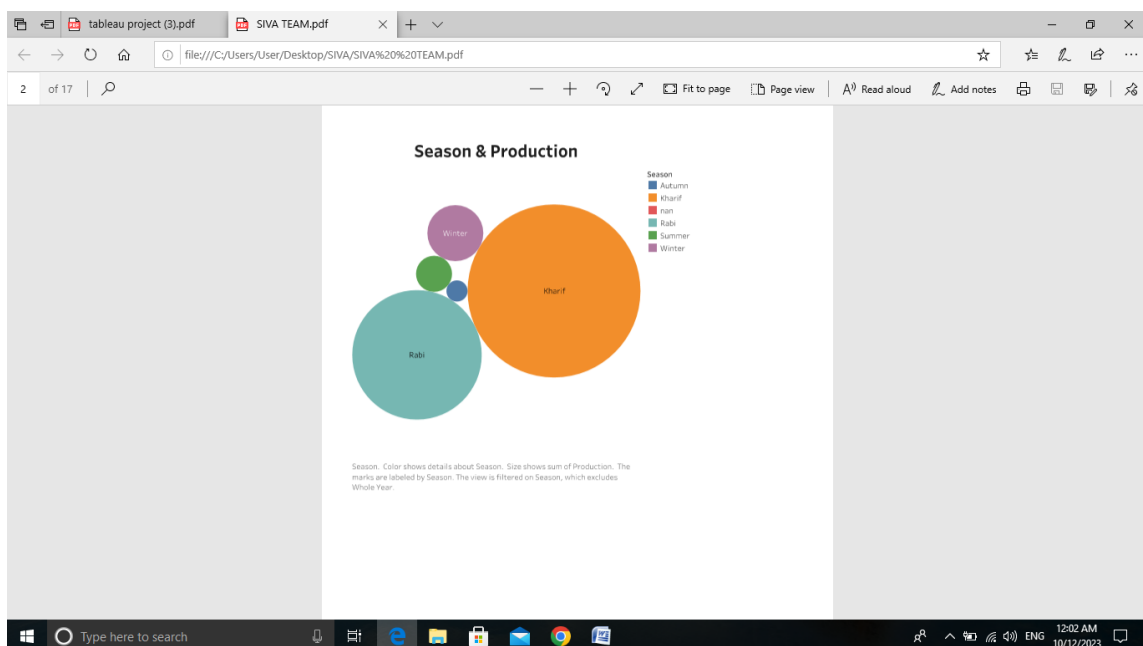
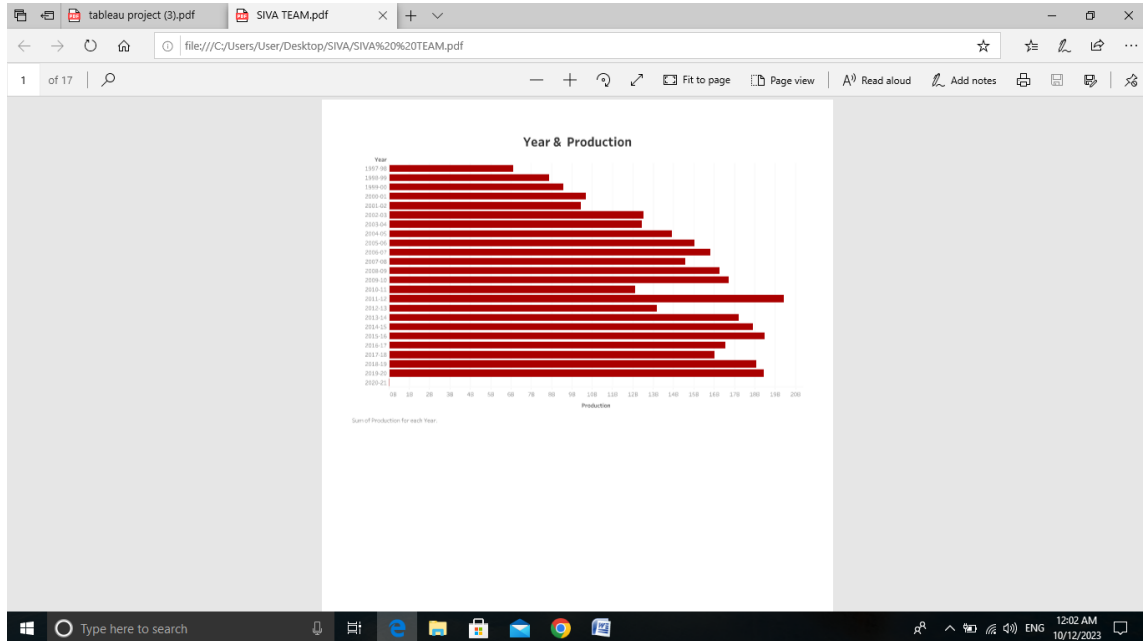
#### **EMPATHY MAP:**

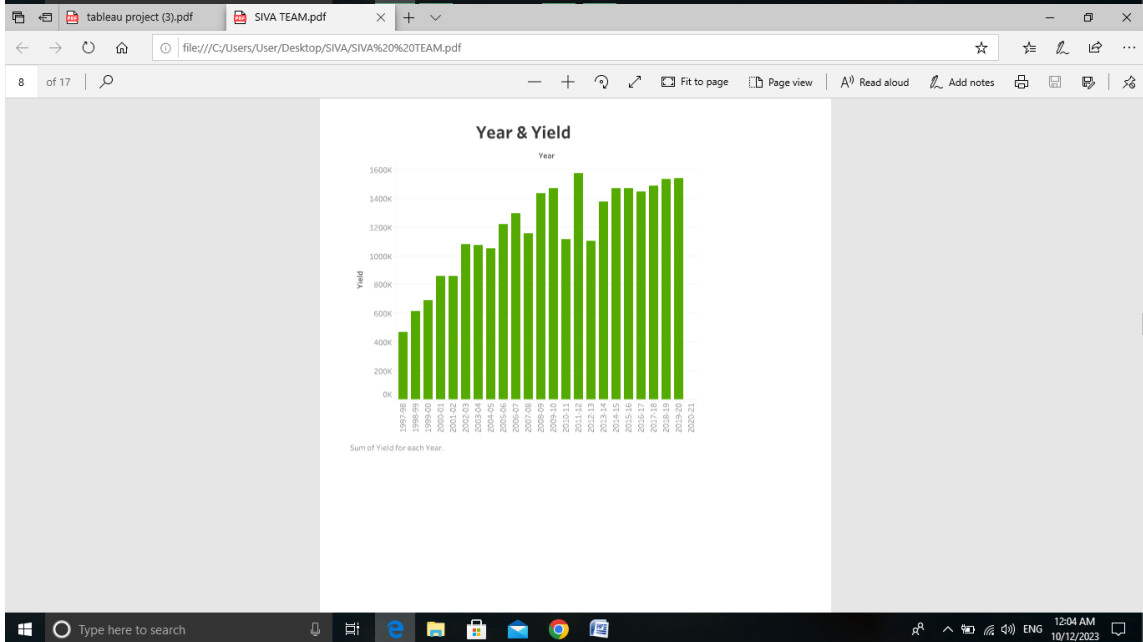
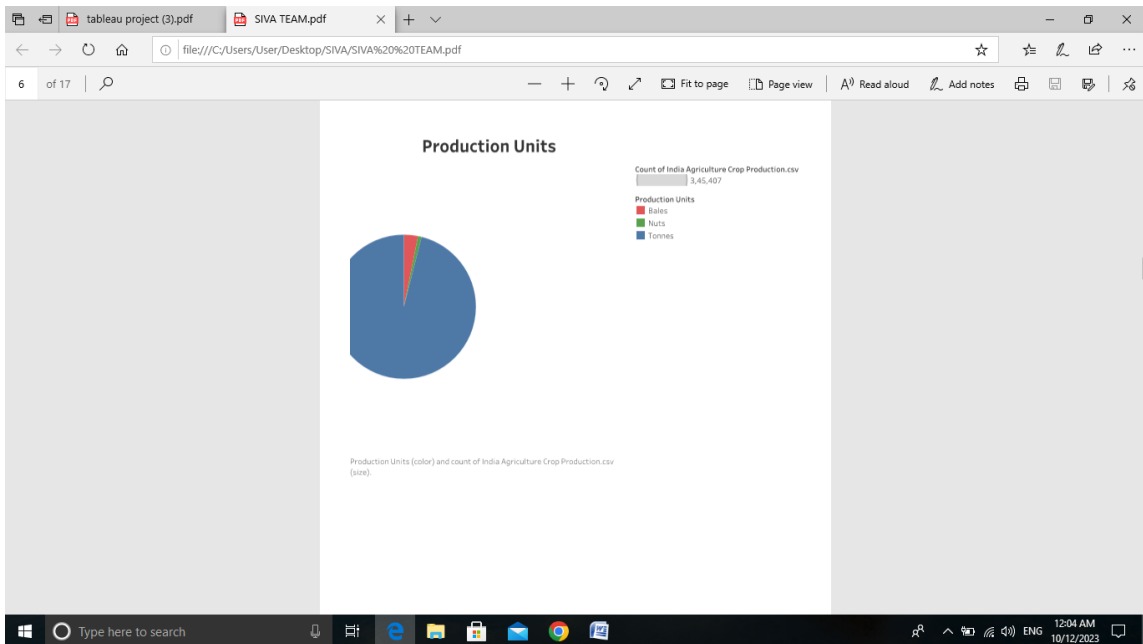
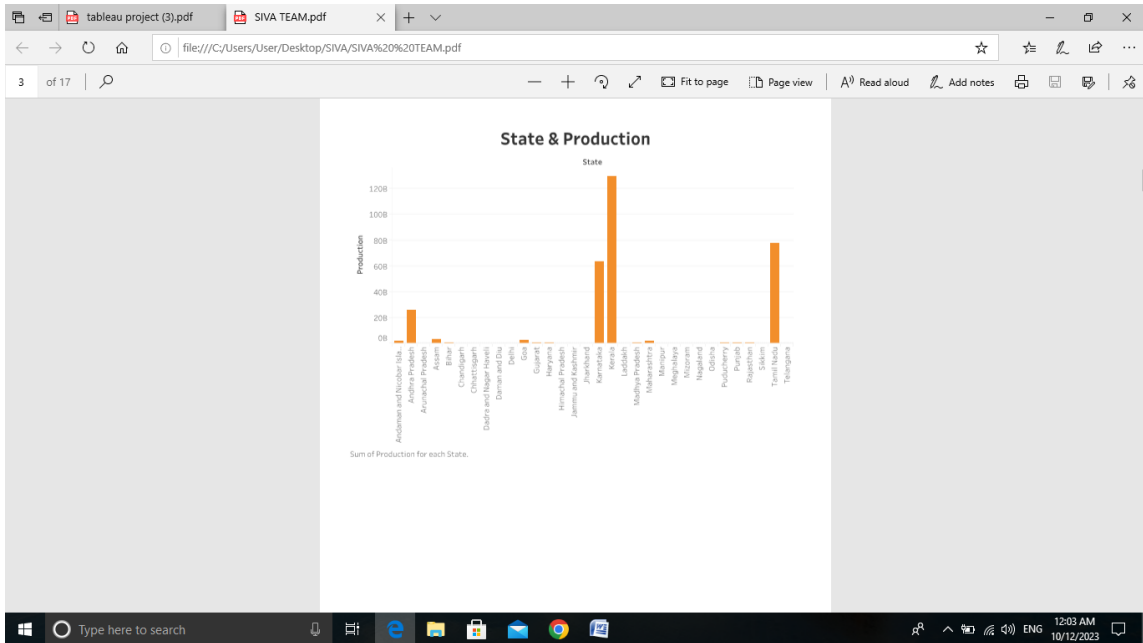
- First we make an empathy map for a group idea. To create an empathy map from a mural website and logic with email account and search the templates that you wanted to create.

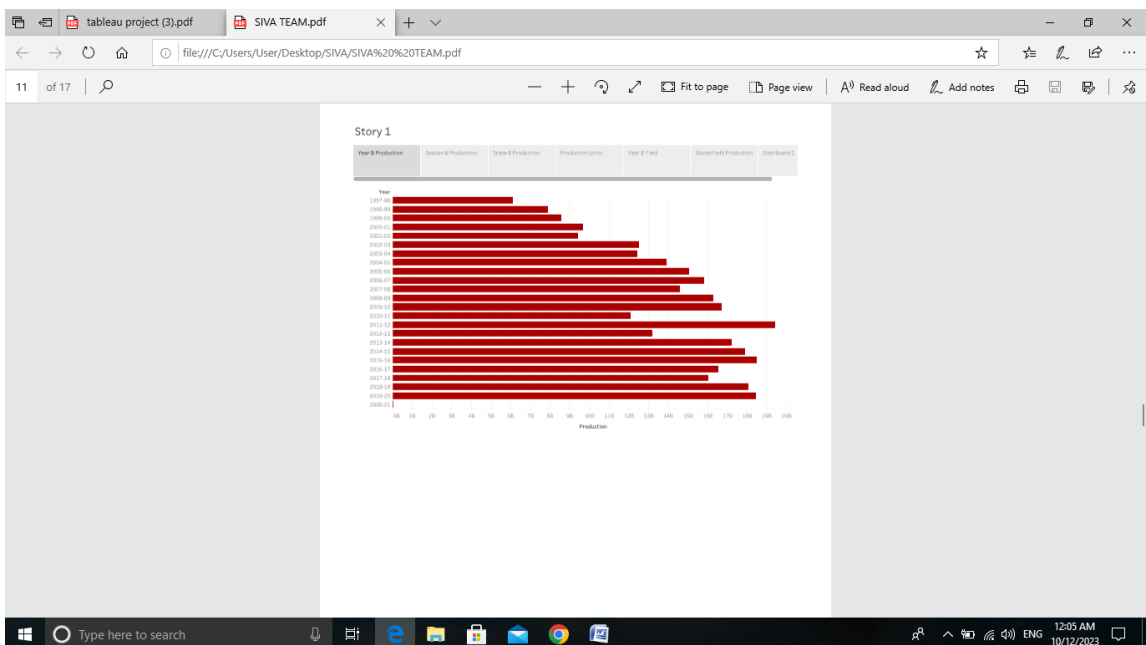
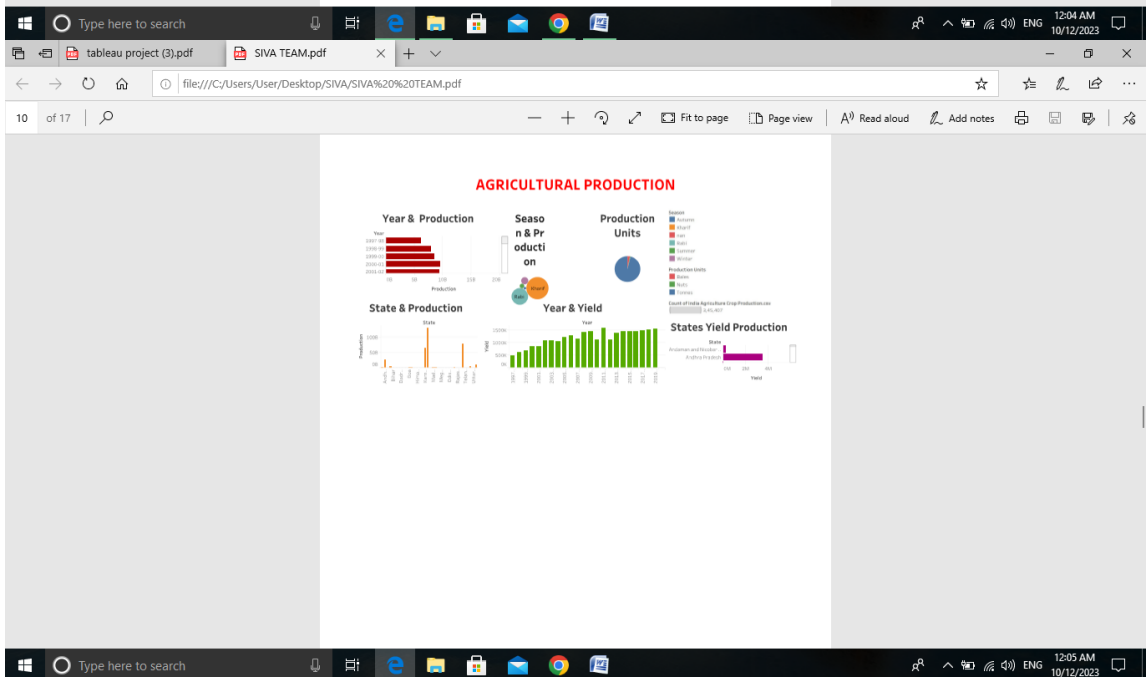
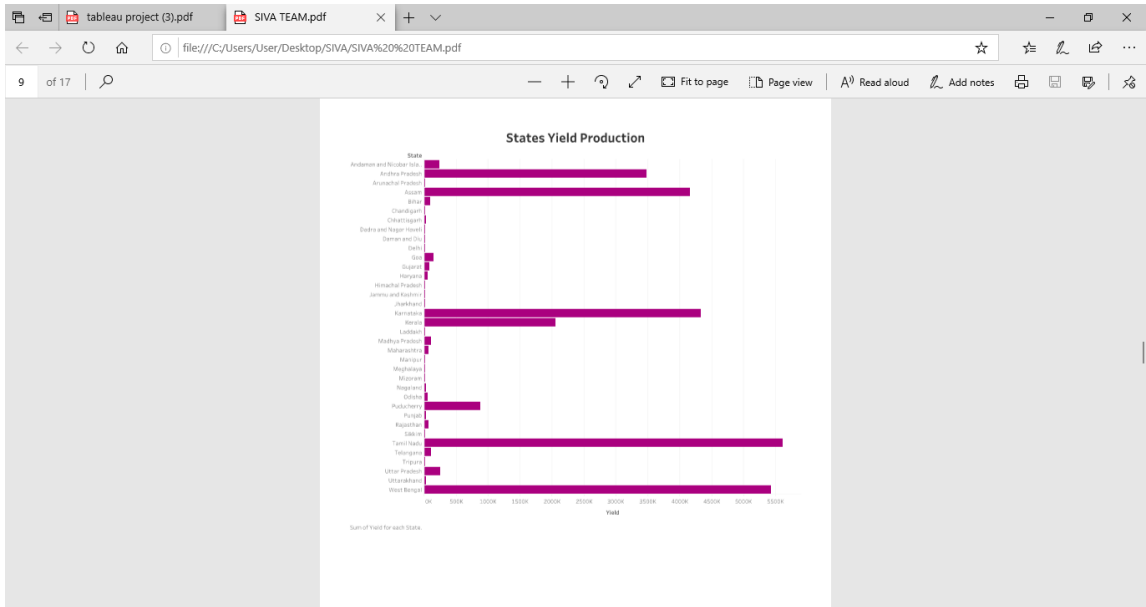


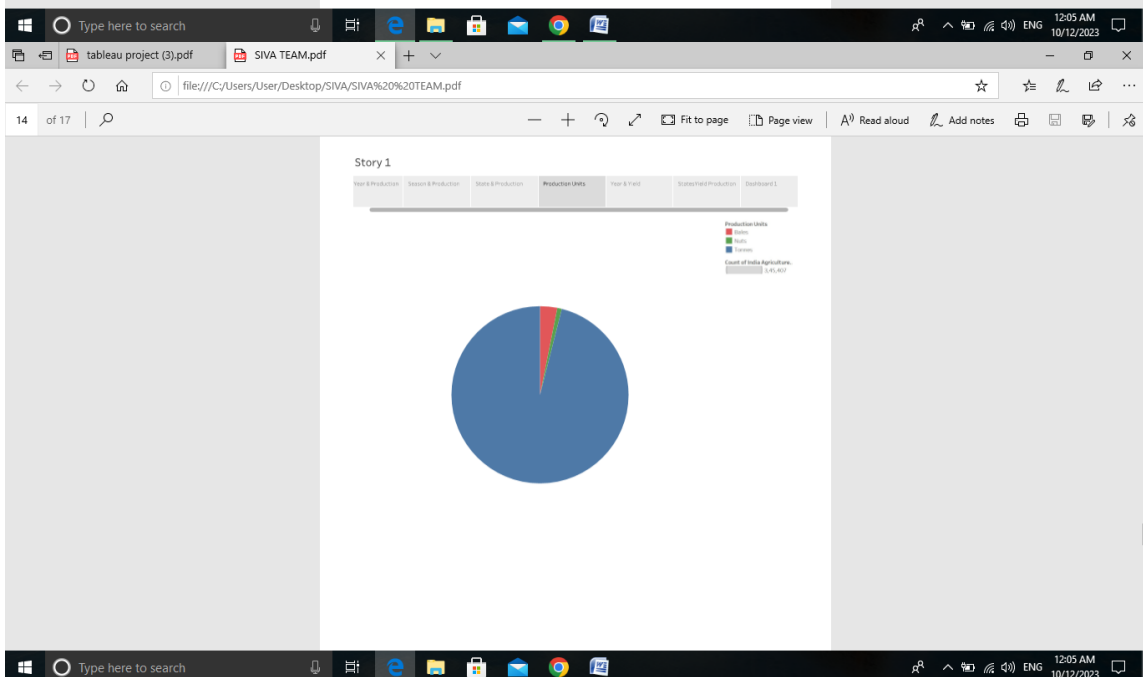
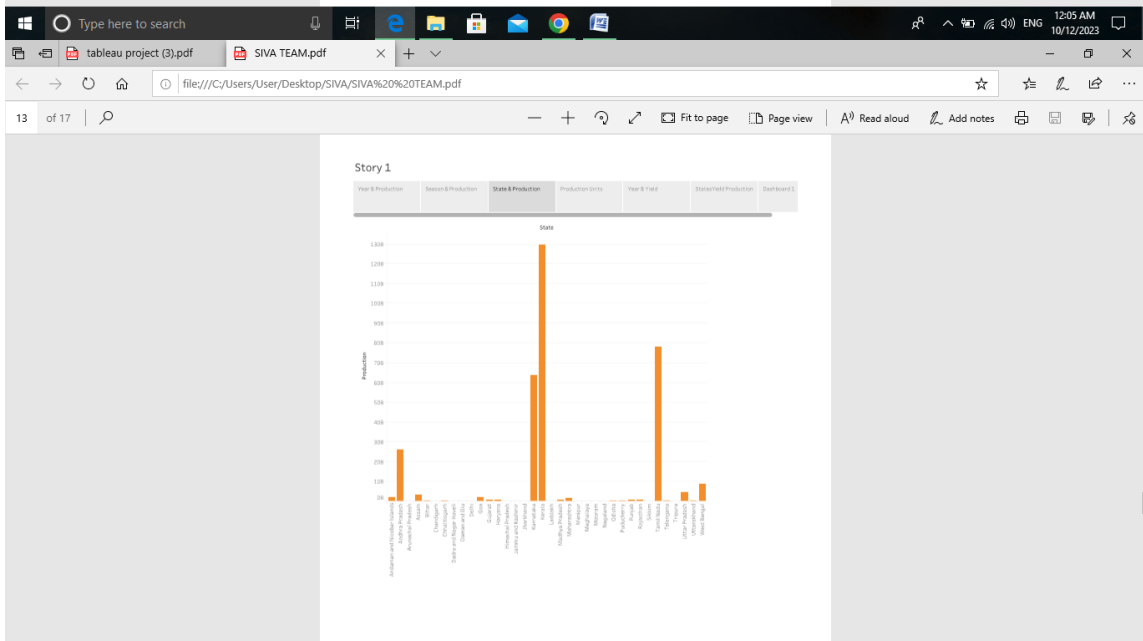
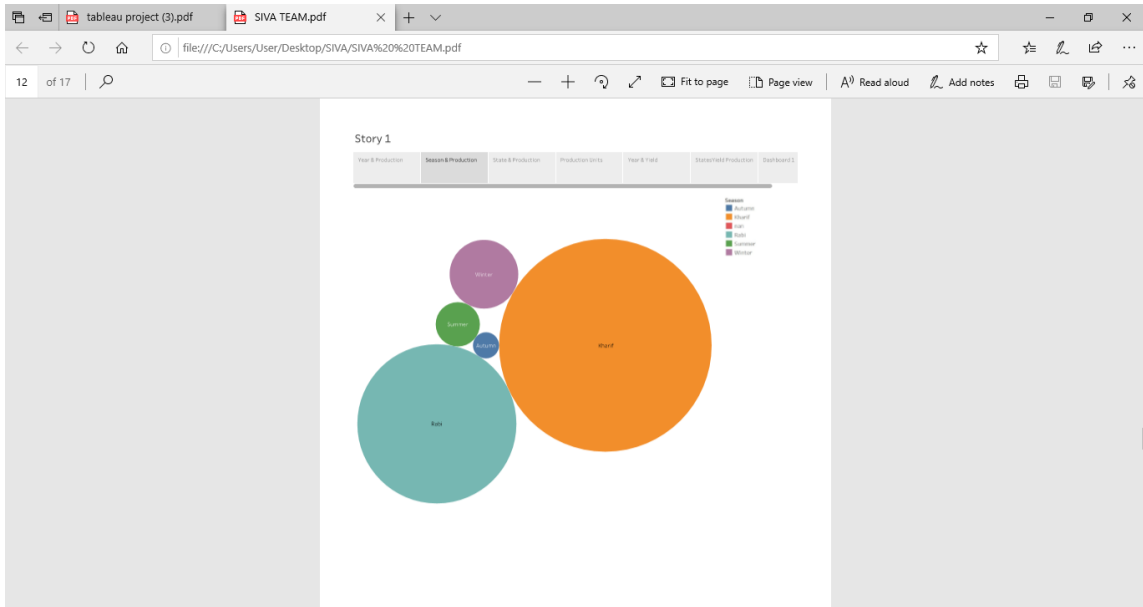
## PROCEDURE FOR TABLEAU PROJECT:

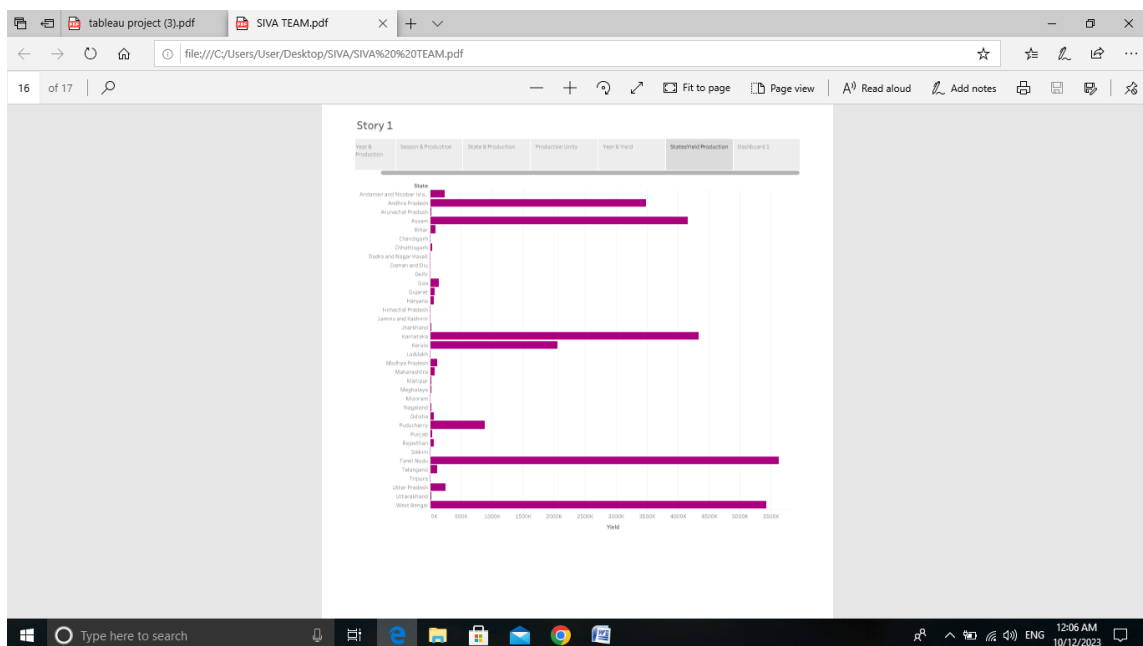
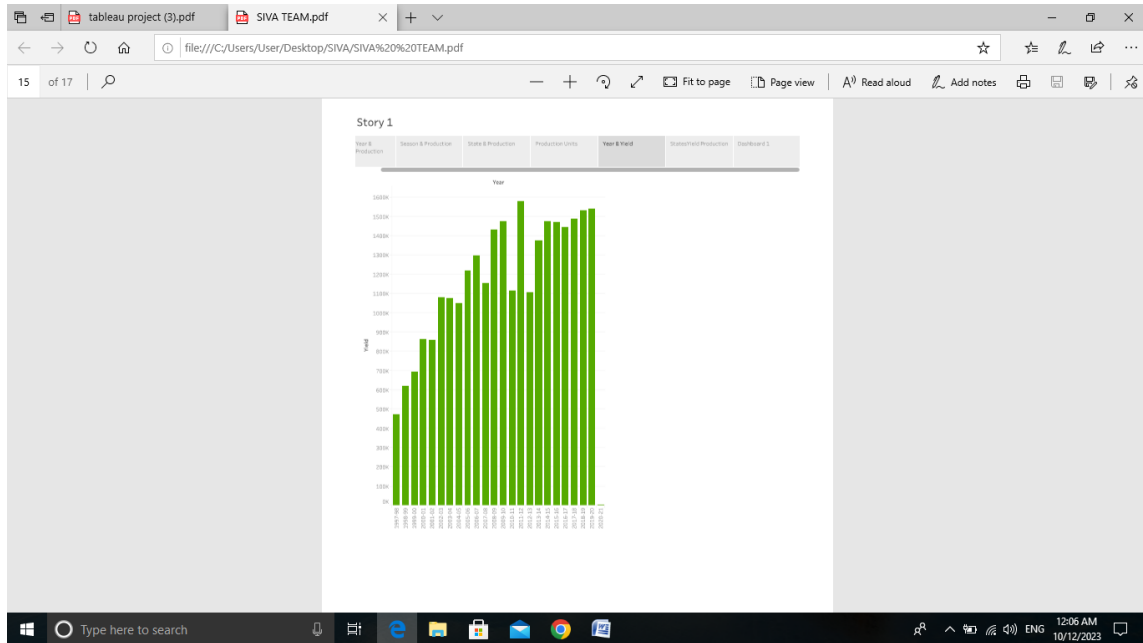
- Before opening the tableau desktop we had download the dataset for your project.
- after download the dataset we open the tableau desktop.
- After opening the selected link connect to data, select the “more” option and select the dataset.







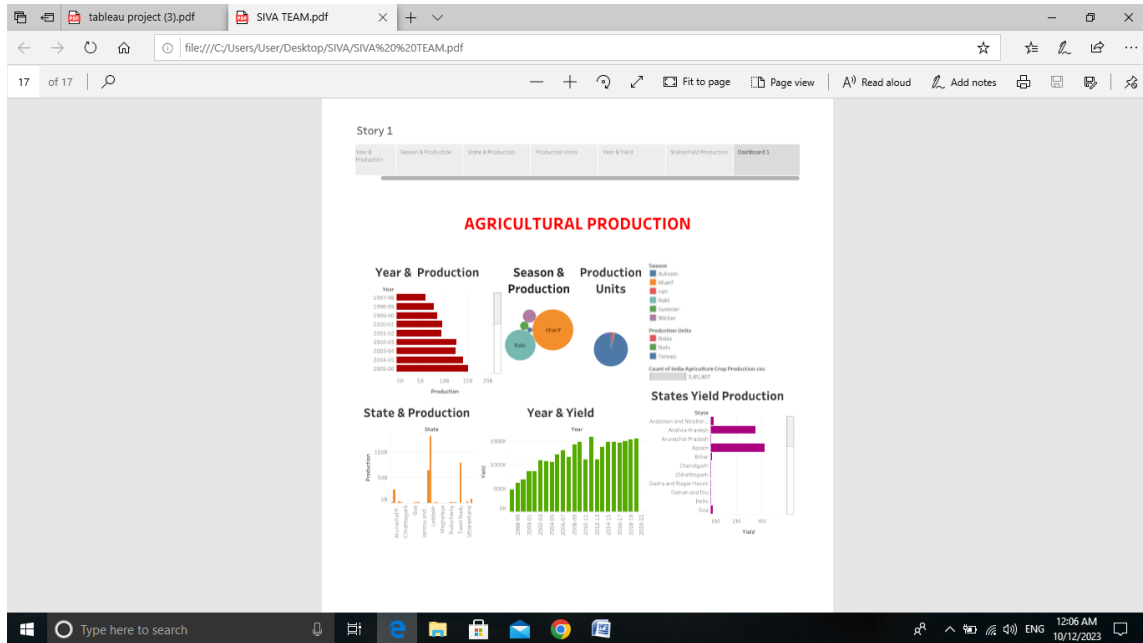




## RESULT:

- Sign into the tableau account.
- Publish the workbook in the tableau cloud.
- Upload the project in the github.





## ADVANTAGES:

- There is over all increase in yield of crops mainly due to maintaining physical- chemical properties of soil. ...
- It helps in controlling insects, pests and soil borne diseases.
- Prevent or limit periods of peak requirements of irrigation water.

## DISADVANTAGES:

- Soil topography is prohibited from taking and growing more than one crop in a particular area.
- Crop rotation is not always advisable.
- Changing weather conditions and other accidents interfere with crop rotation.

### **APPLICATION:**

- ✓ provide extensive data on agricultural-related activities, which can then be analyzed in order to find relevant information.

### **CONCLUSION:**

- ✓ The history of agriculture in India dates back to the Neolithic period. India ranks second worldwide in farm outputs. As per the Indian economic survey 2020 - 21, agriculture employed more than 50% of the Indian workforce and contributed 20.2% to the country's GDP.

### **FUTURE SCOPE:**

- ✓ produce commodities which maintain life, including food, fiber, forest products, horticultural crops, and their related services".