

# **PROJECT REPORT TEMPLATE**

## **1.INTRODUCTION:**

The report gives the India's agricultural cultivation , providing a comprehensive visual exploration of key aspects and trends in the agricultural sector . Through this visual representation, gain valuable insights into crop production, seasonal variations, regional distribution and overall production trends . In this project , we have to put the data in the form of visualization , dashboard and story.

### **1.1 OVERVIEW :**

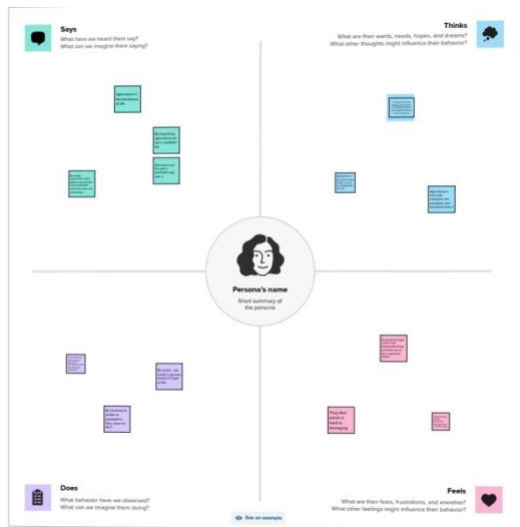
Data analytics with tableau software can be used in this project. Tableau is an end - to - end data analysis platform that allows to prepare , analyze , collaborate and share the big data insights . In this project,the data set can be downloaded and put the dataset to the tableau desktop. The data set can be dragged . The visual representation of the graph can be split in minimum of five sheets can be shown. The five sheet can be displayed in dashboard. In each sheet,the story can be written. The visual representation of the graph and story telling can be uploaded in tableau public .

### **1.2 PURPOSE:**

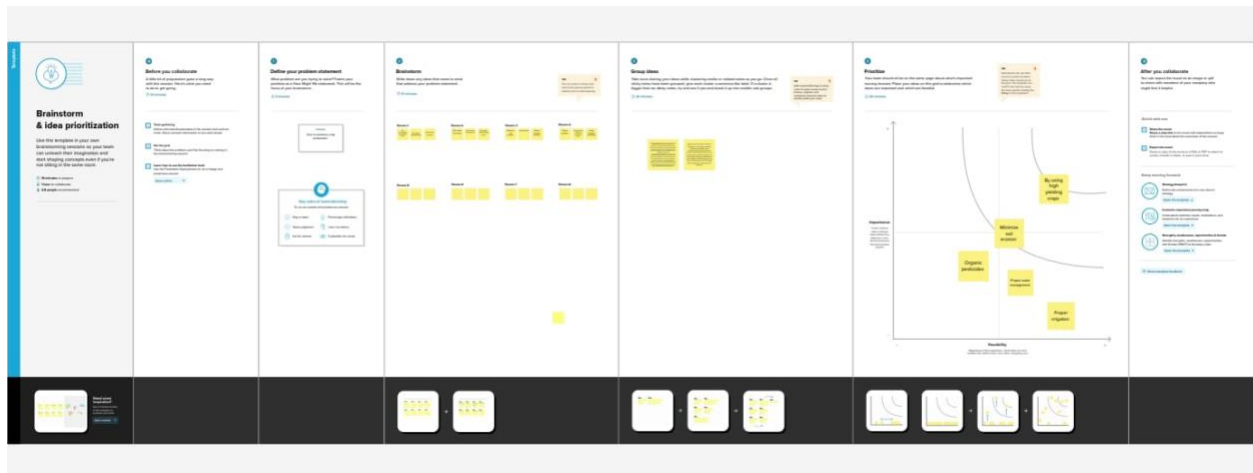
The purpose of this project users to create different charts, graphs, dashboard and stories for visualizing data to help in making buisness decisions. Through this visual representation of the graph , how much crops can be yield in a year and how much production in every district and it's state.

## **2. PROBLEM DEFINITION AND DESIGN THINKING :**

### **2.1. EMPHATHY MAP**



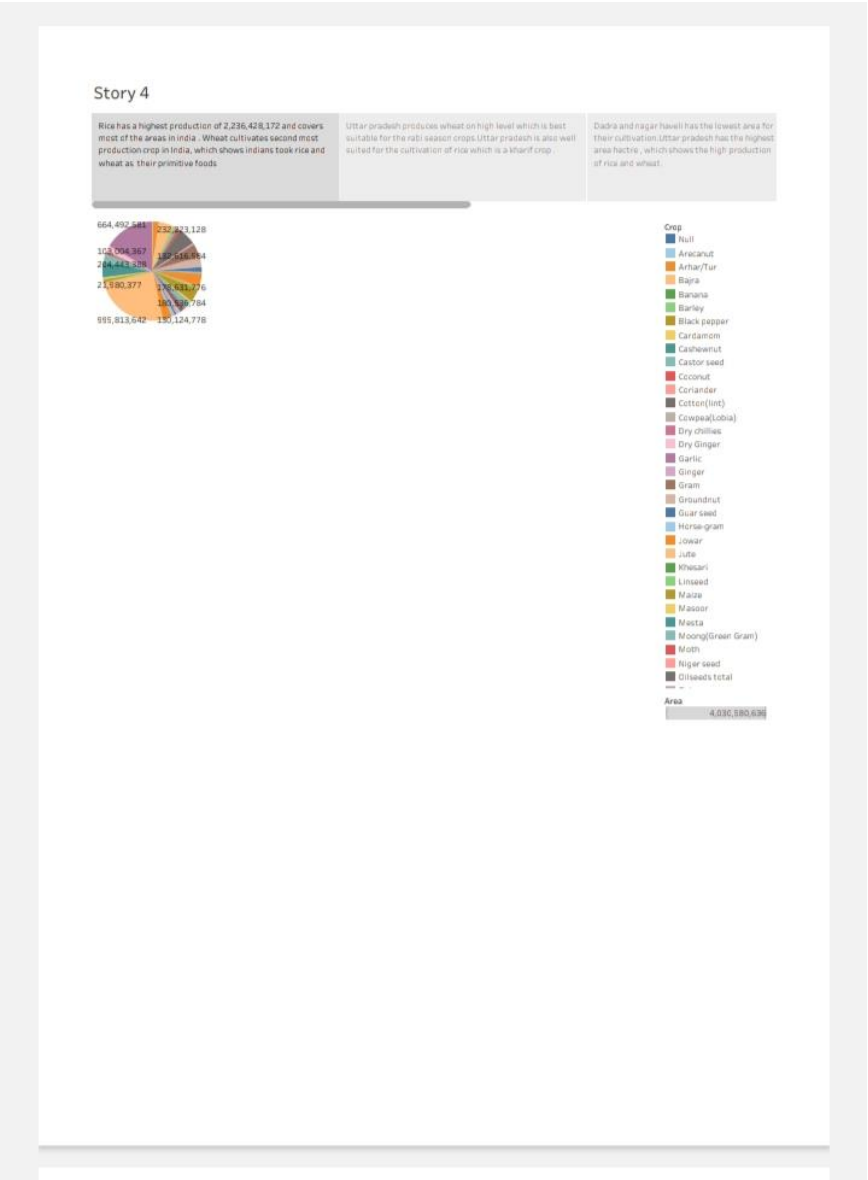
## 2.2. IDEATION AND BRAINSTORMING MAP



## 3.RESULT:

The India's agricultural crop production can be simply shown in the visual representation and it can be easily understood. The graph can be dragged in tableau desktop. The dashboard and story can be uploaded in tableau public.

3.1. STORY:

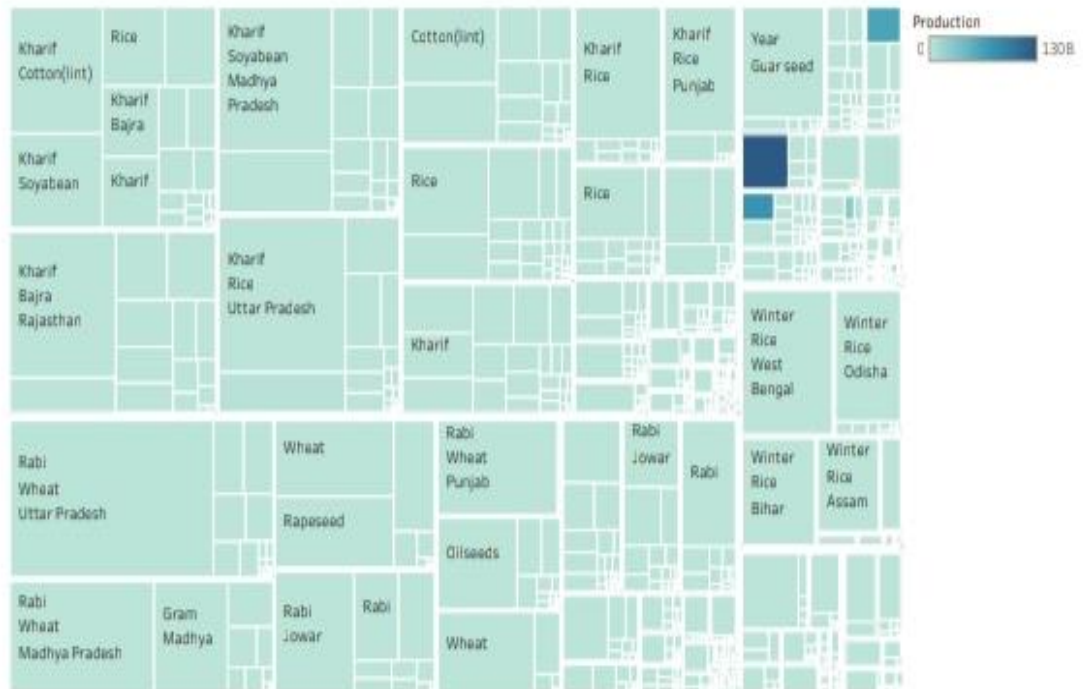


## Story 4

Rice has a highest production of 2,236,428,172 and covers most of the areas in India . Wheat cultivates second most production crop in India, which shows Indians took rice and wheat as their primitive foods

Uttar pradesh produces wheat on high level which is best suitable for the rabi season crops.Uttar pradesh is also well suited for the cultivation of rice which is a kharif crop .

Dadra and nagar haveli has the lowest area for their cultivation.Uttar pradesh has the highest area hectre, which shows the high production of rice and wheat .



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Uttarpradesh yields maximized than others states, which implies that, it have a better condition for the cultivation of the crops, And ladakh contains 0 yielding, which may be due to their low temperature environment.

Area Units



3/5

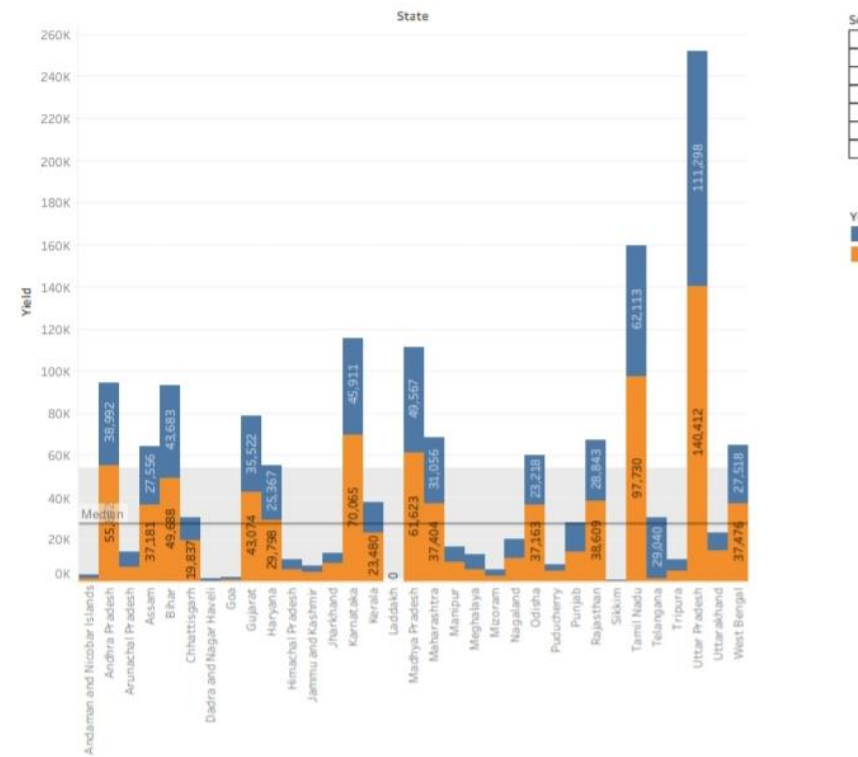


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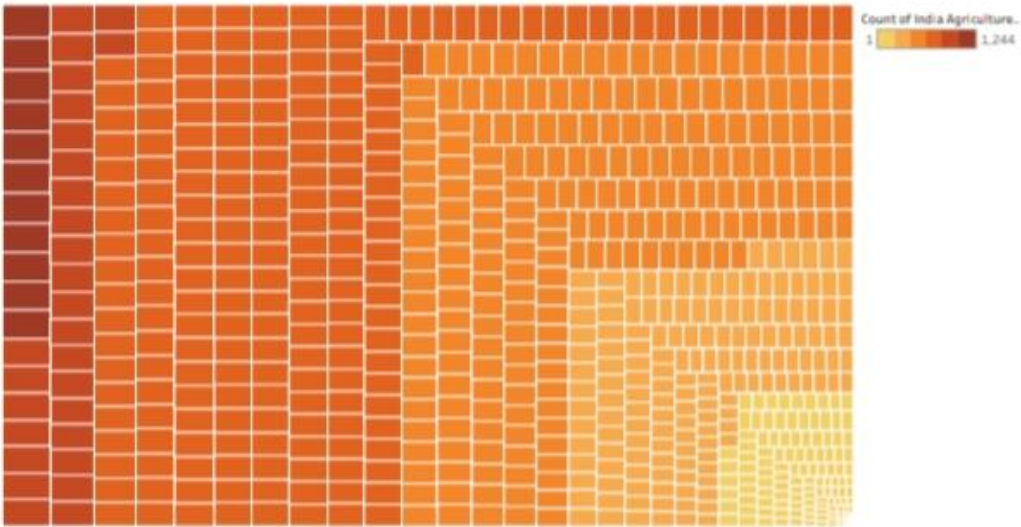


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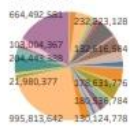
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Bilaspur conceives a major production of crops as per the highest count of 1244. Bilapur records of 1218 followed by bilaspur. Dadra and nagar have the least count production of count of 1.



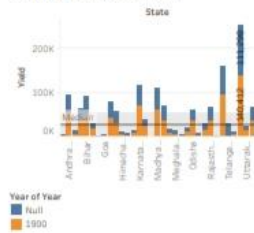
### 3.2. DASHBOARD:

Crop production  
by Area



Area  
4,030,580,636

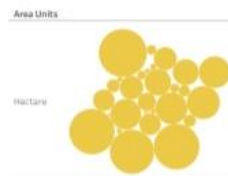
Yielding over the States



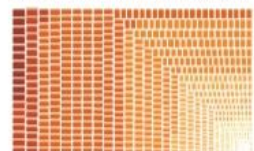
Statewise Crops Yield based on  
Season



Agricultural Area over States



District wise Area and Production





#### **4.ADVANTAGES & DISADVANTAGES:**

##### **ADVANTAGES:**

- Large amount of data can be used to generate a variety of visualisation without compromising the dashboard performance.
- It is a leading data visualisation tool used for data analysis and business intelligence.
- Easy to upgrade.

##### **DISADVANTAGES :**

- The drawbacks such as requiring more time , effort, skills to design ,develop and maintain the static charts and potentially increasing the complexity.
- No automatic refreshing of reports.
- Require SQL knowledge.

#### **5.APPLICATION:**

Tableau has a lot of unique features that it make if one of the most popular tools in business intelligence. Data analytics can be applied in business in various ways . It can be used to analyze customer behaviour, optimize , marketing campaigns, improve supply chain management, enhance product development, predict demand , identity fraud , optimize pricing strategies etc.

#### **6.CONCLUSION:**

Tableau is an effective data analytics tool because of its ability to connect to a wide range of data sources , its intuitive drag-and-drop interface , its flexible visualisation options , its ability to handle large data sets , its advanced analytics features and its strong community support.

#### **7.FUTURE SCOPE:**

Data analytics and data analytics boot camp is a huge industry and is predicted to keep growing. Companies have experienced a significant impact because of the data analytics industry, especially in their day-to-day business. It is to make better products and delivers higher- quality services.