

INDIAN'S AGRICULTURAL CROP PRODUCTION ANALYSIS (1997-2021)

INTRODUCTION:

1.1 OVERVIEW

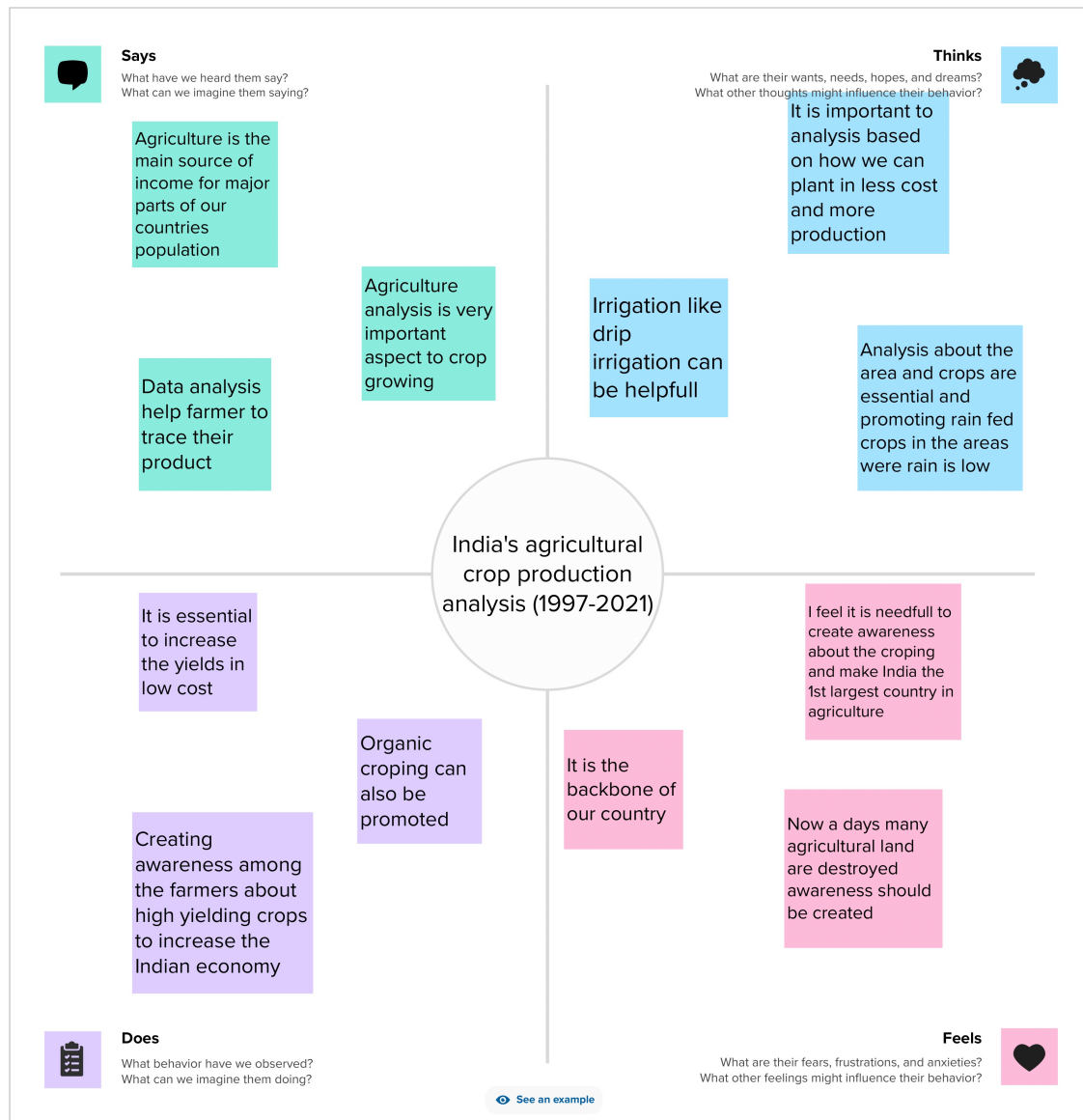
Agriculture is the backbone of our country. Most of the families in are farmers. Agriculture is againing most of the income in our country. The agriculture sector comprise establishments primarily engaged in growing crops man takes special care in growing crops. Here the analysis about crops production different in areas is done . The mindmap and Empathy map is done . In this project we also have researched of the probvlems in in agriculture and as a team we also gave solutions to the problm. In this project we have researched about the crop production in different parts of india and created charts using tableau

1.2 PURPOSE

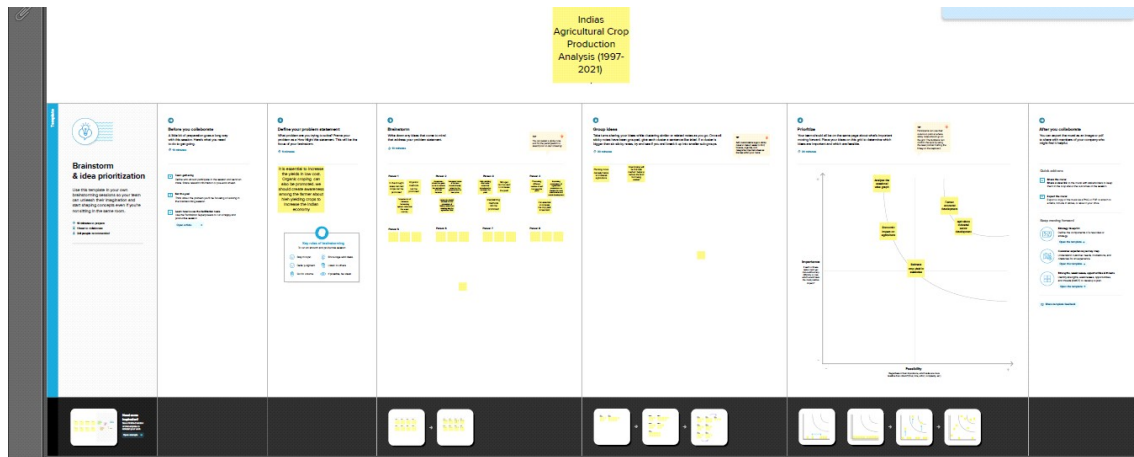
In this project India's Agricultural crop production we have created charts based on the agricultural production in different parts of India and production based on the season, the states that that have large and small number of agricultural lands and etc..... This chart gives the clear cut of all details and from this we can increase the crop production in various ways for example instead of wasting lands we can do mixed cropping , by intoducing high yielding crop we can increase the production in a small amount of lands , by noticing the seasons we can do the cropping for example in kharif season the yielding is high so we can cultivate in that season. So from the above examples we can tell that the maps gives the clear informations about the various factors. Analysis about the crop production in India is the purpose of the project.

2) PROBLEM DEFINITION & DESIGN THINKING

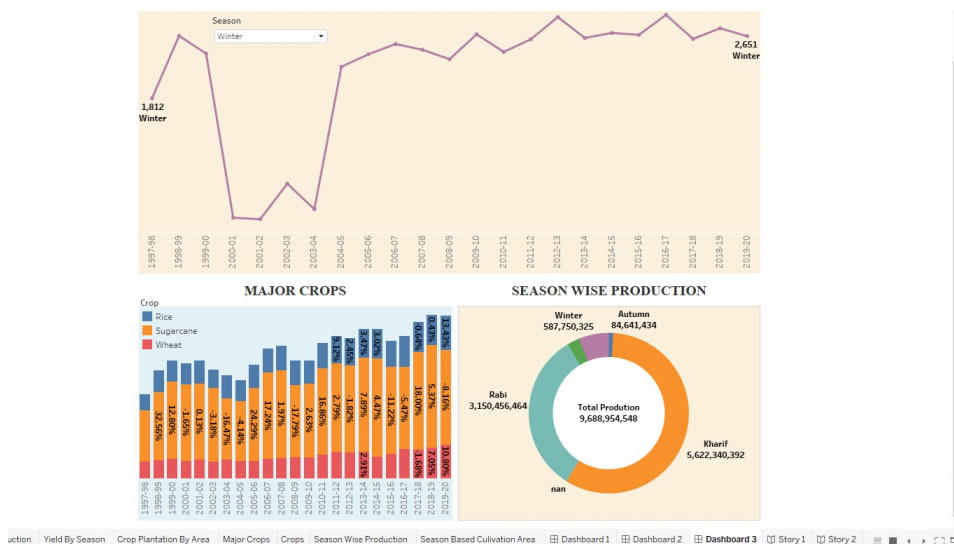
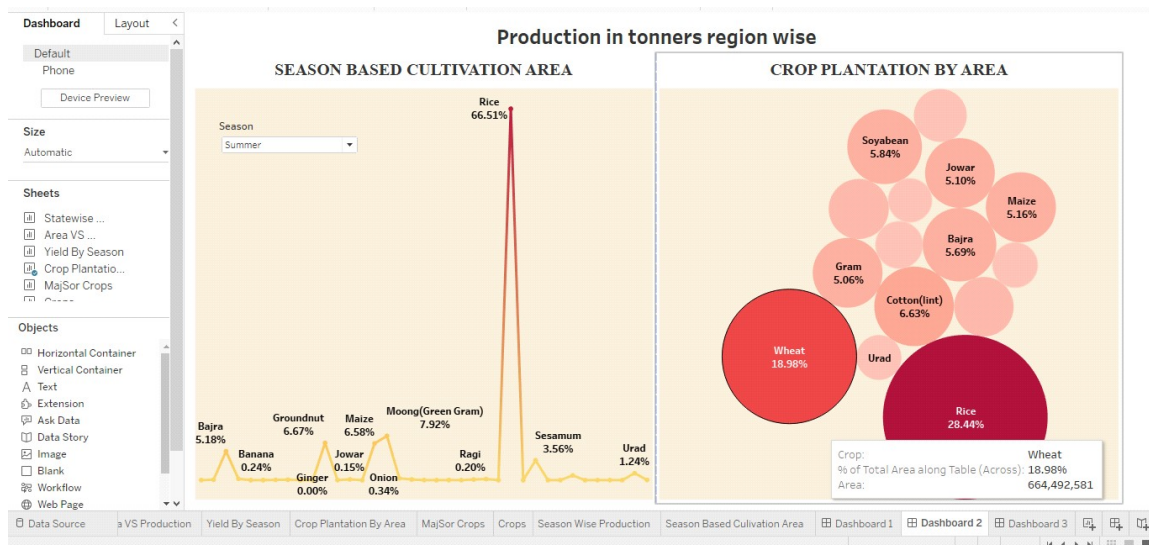
2.1 EMPATHY MAP



2.2 IDEATION & BRAINSTROMING MAP



RESULT:

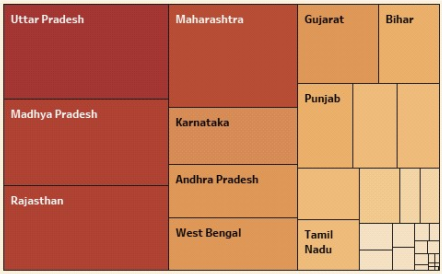


Area in acres region wise

State

(All)

STATEWISE AGRICULTURAL LAND



AREA VS PRODUCTION



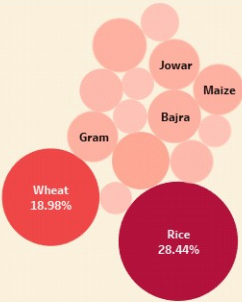
Insights into India's agricultural cultivation

Crop planting Percentage :This chart show the crop that were grown in large number of areas. From this chart we can tell that rice is grown in large number of areas compared to others wheat is grown in large number of areas next to rice.

Crop yield growth:This chart gives us the information about the production in the winter season .We can see that is not proper in every winter season it varies from one another

Word cloud:This one chart alone can give the information of different crops planted in India . This chart shows both the food crop and cash crop

Crop Production in Tonnes:In world level india is the largest producers in the crop.This chart pictures that in the kharif season the production is high so we can conclude it is the best season for the crops to grow. Only little amount of crops is grown in the autumn season



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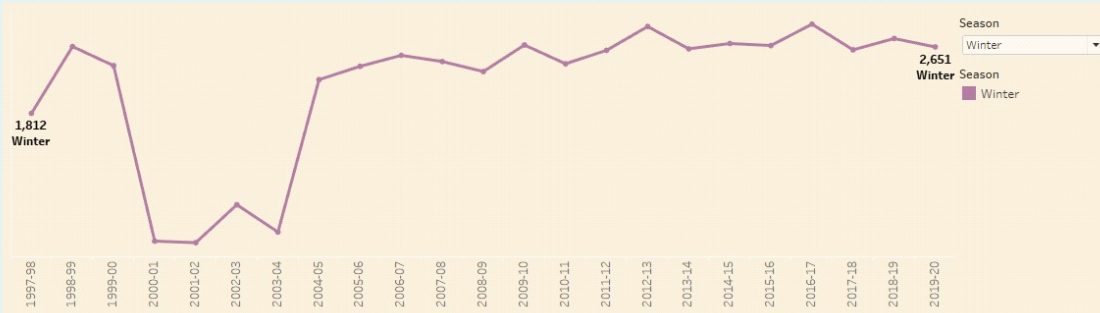
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Season	Production (Tonnes)
1997-98	1,812
1998-99	2,200
1999-00	2,100
2000-01	500
2001-02	500
2002-03	1,000
2003-04	600
2004-05	1,800
2005-06	1,900
2006-07	2,000
2007-08	1,900
2008-09	1,800
2009-10	2,100
2010-11	1,900
2011-12	2,000
2012-13	2,300
2013-14	2,000
2014-15	2,100
2015-16	2,000
2016-17	2,300
2017-18	2,000
2018-19	2,200
2019-20	2,651



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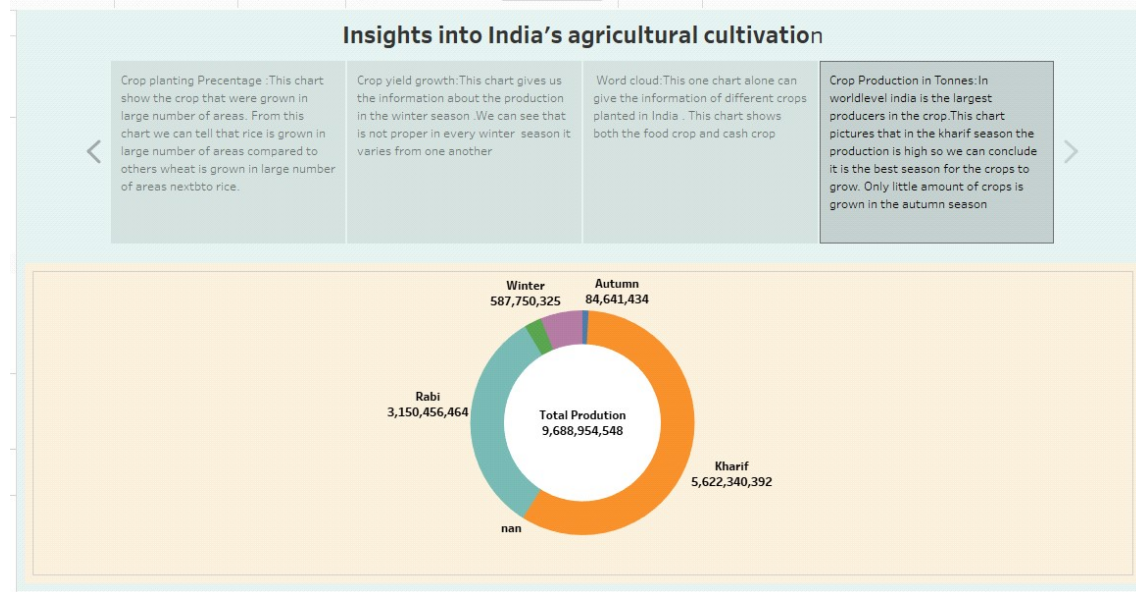
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The word cloud displays a variety of crops, including: Rice, Onion, Sunflower, Coriander, Sannamp, Tobacco, Other Summer Pulses, Tapioca, Mesta, Niger seed, Cowpea (Lobia), Khesari, Groundnut, Rapeseed & Mustard, Turmeric, Sugarcane, other oilseeds, Potato, Horse-gram, Oilsseeds total, Peas & beans (Pulses), Gram, Bajra, Wheat, Banana, Soyabean, Arhar/Tur, Other Rabi pulses, Jute, Other Kharif pulses, Castor seed, Sweet potato, Barley, Jowar, Other Cereals, Ragi, Ginger, Arecanut, Black pepper, Cardamom, Sesamum, Maize, Moong (Green Gram), Masoor, Small millets, Urad, Dry chillies, Dry Ginger, Moth, Cashewnut, Garlic, Linseed, Sesamum, Maize, Coconut, Guar seed, and other oilseeds.





ADVANTAGES & DISADVANTAGES

- In the drought areas rain fed crops can be promoted but this types of crops can destroy the native varieties
- Irrigation methods can be promoted
- Importance of rainwater harvesting system can be promoted
- Interplanting methods can be promoted
- Nitrogen can be used to increase the yield but the cost is high
- Traditional method agriculture can be promoted but crop production will be reduced & it reduces the income

These are the advantage and disadvantages of the proposed solution

APPLICATIONS:

- Rain fed crops can be cultivated in the drought areas
- Irrigation methods can done in the areas where the rain less
- Rain water harvesting can be done and later it can be used in the summer season when the water is less
- Interplanting methods can be promoted in area where the agricultural land is less and etc....

CONCLUSION:

In this project our team have worked a lot to collect informations we analysed varies problems we created empathy and in the brainstorming we analysed the different problems that is faced in the agriculture and also gave the solutions to such problems. In our solutions there are some disadvantages . But in this world there is no work without disadvantages. We have also created maps based on the cultivation. And thus we have given our best in the project

7) FUTURE SCOPE:

The future scope is large in this project.Because if there is no agriculture no one can survive people may die due to hunger. Populations are increasing now a days so new varieties of crops should be increased. so the new varities will be found in the future in exces and in future it is going to increase our national income exces so the future scope is high here we can surely tell .