India's Agriculture Crop Production

1.Introduction

1.1 Overview

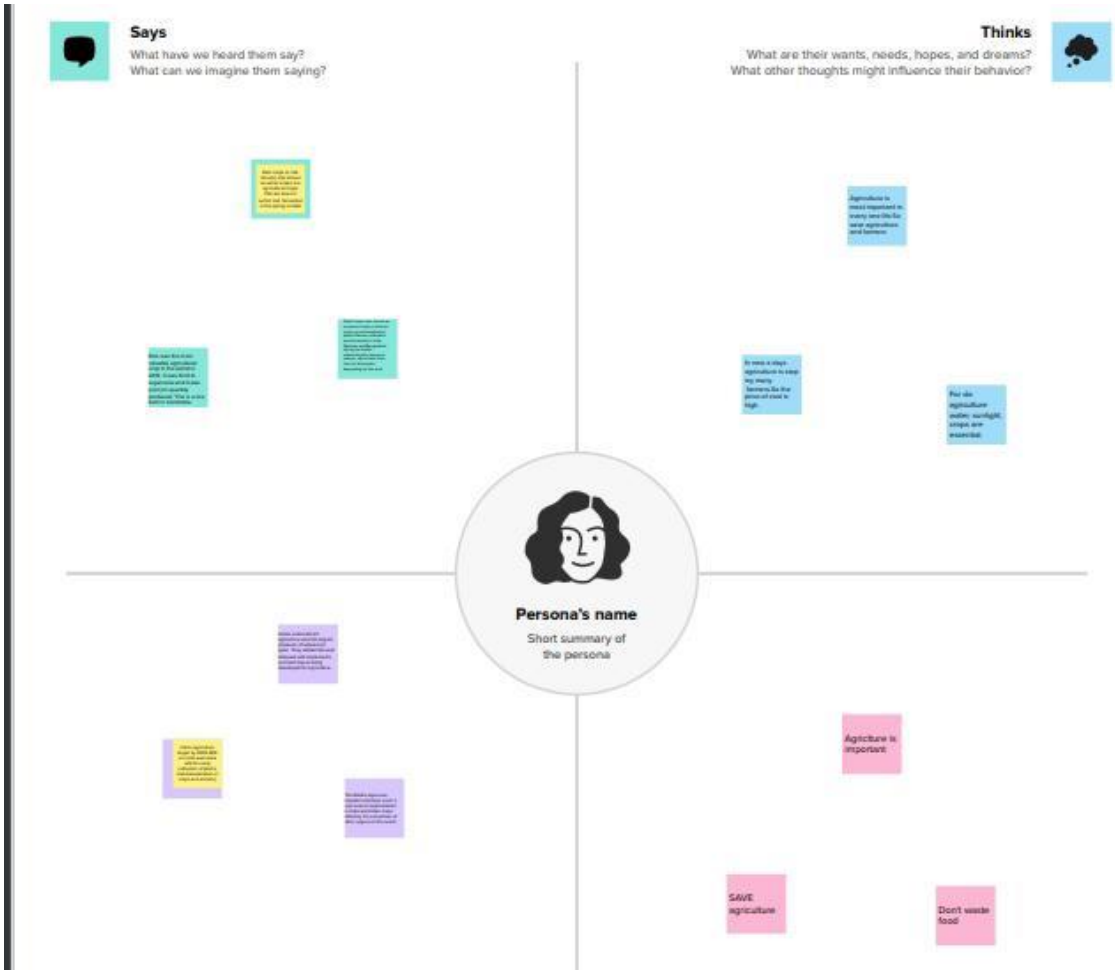
India's agricultural crops details and how to develop the India's agriculture using the India's agricultural crops are instructed by this project.

1.2 Purpose

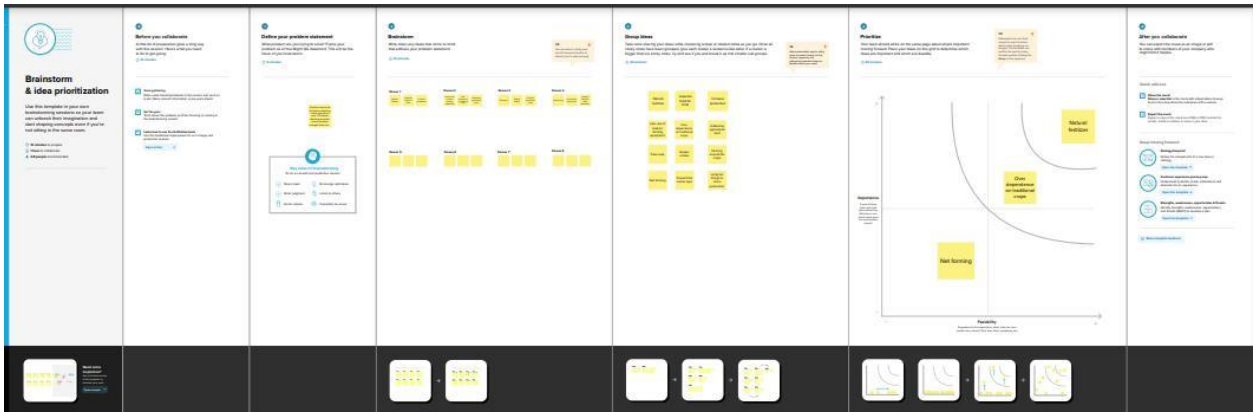
We can have more ideas to develop India's agriculture and get more yield of crops and export to other countries.

2.Problem Definition & Design Thinking

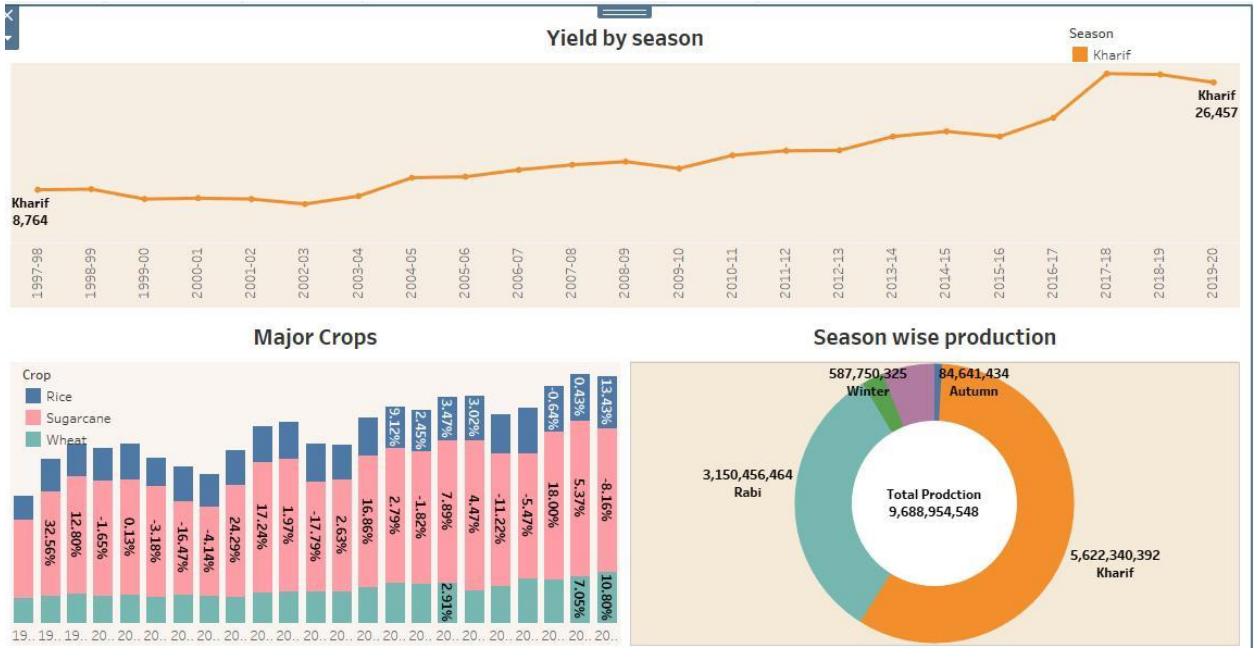
2.1 Empathy Map

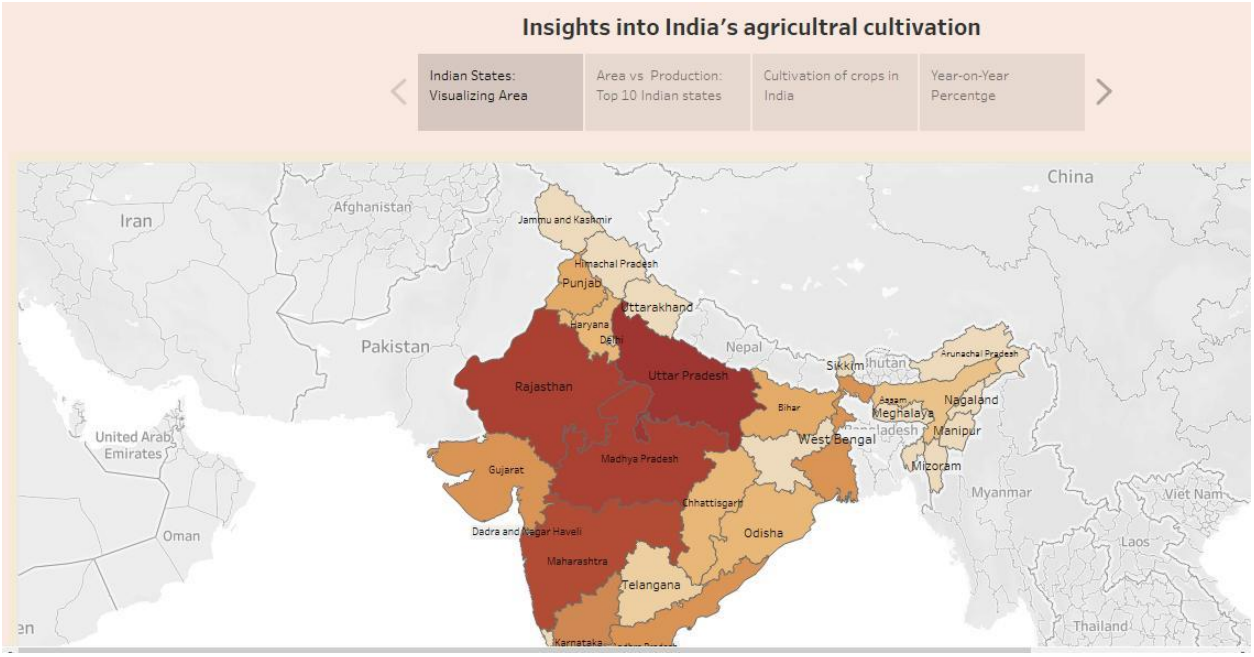


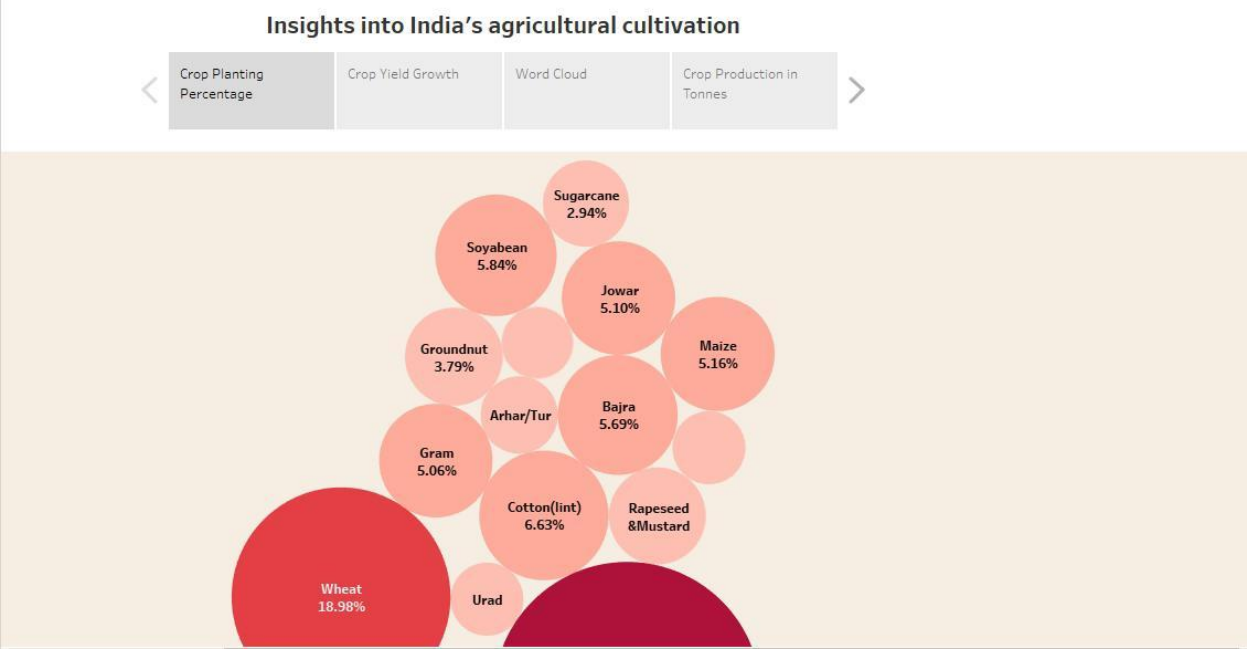
2.2 Ideation & Brainstorm Map



3.Result


Yield by season
Season
Kharif
Kharif
26,457
Kharif
8,764
1997-98
1998-99
1999-00
2000-01
2001-02
2002-03
2003-04
2004-05
2005-06
2006-07
2007-08
2008-09
2009-10
2010-11
2011-12
2012-13
2013-14
2014-15
2015-16
2016-17
2017-18
2018-19
2019-20
Major Crops
Crop
Rice
Sugarcane
Wheat
Season wise production
587,750,325
Winter
84,641,434
Autumn
3,150,456,464
Rabi
Total Prodction
9,688,954,548
5,622,340,392
Kharif


Insights into India's agricultral cultivation
Indian States: Visualizing Area
Area vs Production: Top 10 Indian states
Cultivation of crops in India
Year-on-Year Percentge
China
Iran
Afghanistan
Pakistan
Nepal
Sikkim
Bhutan
Arunachal Pradesh
Nagaland
Manipur
Mizoram
Myanmar
Viet Nam
Laos
Thailand
United Arab Emirates
Oman
Jammu and Kashmir
Himachal Pradesh
Punjab
Uttarakhand
Haryana
Delhi
Rajasthan
Uttar Pradesh
Bihar
West Bengal
Madhya Pradesh
Gujarat
Chhattisgarh
Odisha
Dadra and Nagar Haveli
Maharashtra
Telangana



4. Advantages & Disadvantages

Disadvantages:

Require Special Chemicals. costly rather than food crop

Environmental degradation: Cash crop farming can lead to environmental degradation if not done sustainably.

Dependence on a single crop: Growing only one crop can lead to dependence on that crop

You cannot cultivate any crop immediately after harvesting a crop like rice.

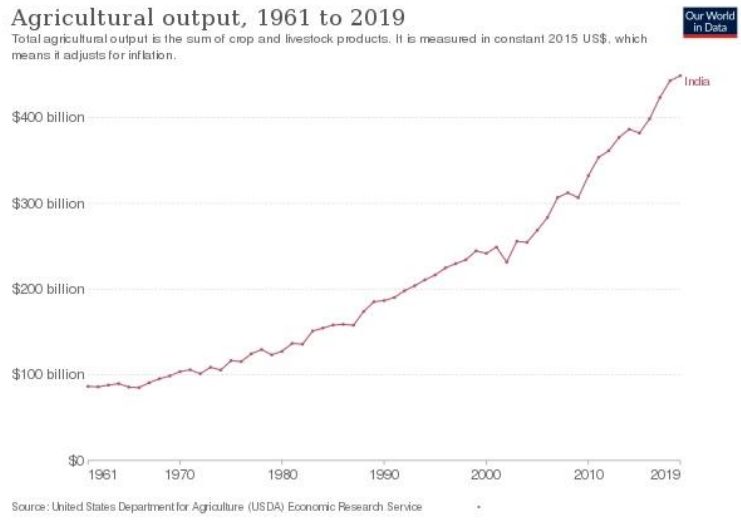
Advantages:

India has more than 20 agro-climate regions, where sunlight hours and day length are suited for round the year cultivation. Nearly, every type of climatic conditions, from Snow Mountains in Himalayas to sand deserts in Rajasthan, exists in India.

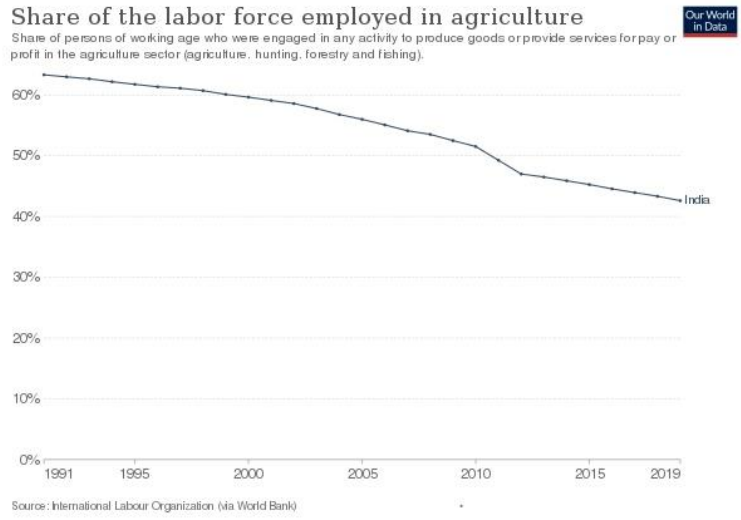
5.Applicatins

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.[1]

country's GDP.



Development of agricultural output of India in 2015 US$



6.Conclusion

First we have to create sheets to do dashboard and story.

Statewise agricultural land is my first sheet.

Area vs production is my second sheet.

Season based area is my third sheet.

Yield by season, crop plantation, major crops, plantation by count, season wise production are the sheets.

Using these sheets we can create the dashboard and story.

7.Future scope

Improving irrigation facilities, promoting the use of hybrid seeds, encouraging crop diversification, providing access to credit, and investing in agricultural research are some of the key

strategies that can help to achieve this goal.