PROJECT REPORT

INDIA'S AGRICULTURAL CROP PRODUCTION ANALYSIS

1-INTRODUCTION

1.1 OVERVIEW

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.

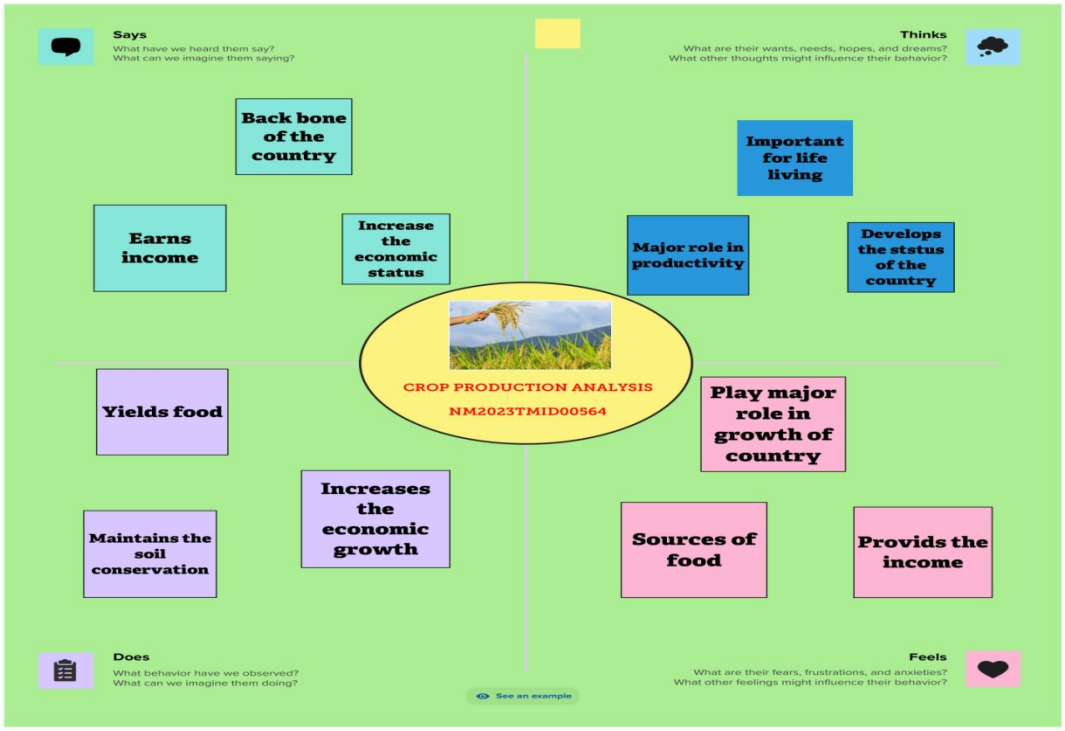
1.2 PURPOSE

In this project we analyse the Indian agriculture crop production for data collected from (1997-2021).Get production and area satisfies and understand more on Indian agriculture history for crop production.

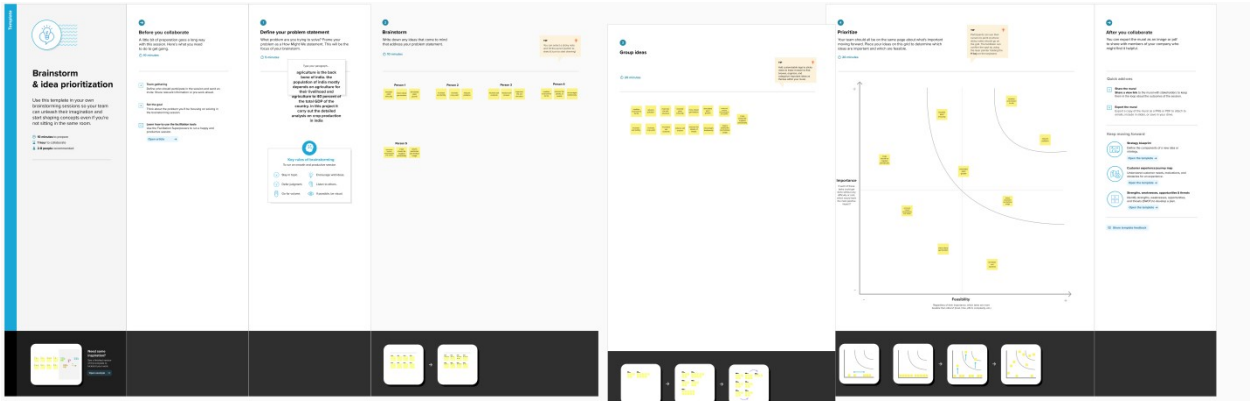
The preparation of fields for sowing of a crop with adequate availability of seed zone . Contributing in crop growth, development and yield. Through this information's, predict appropriate crop from given temperature and rainfall and soil. These are the things which has been achieved by this project

2. PROBLEM DEFINITION & DESIGN THINKING

2.1 EMPATHY MAP



2.2 IDEATION & BRAINSTORMING MAP



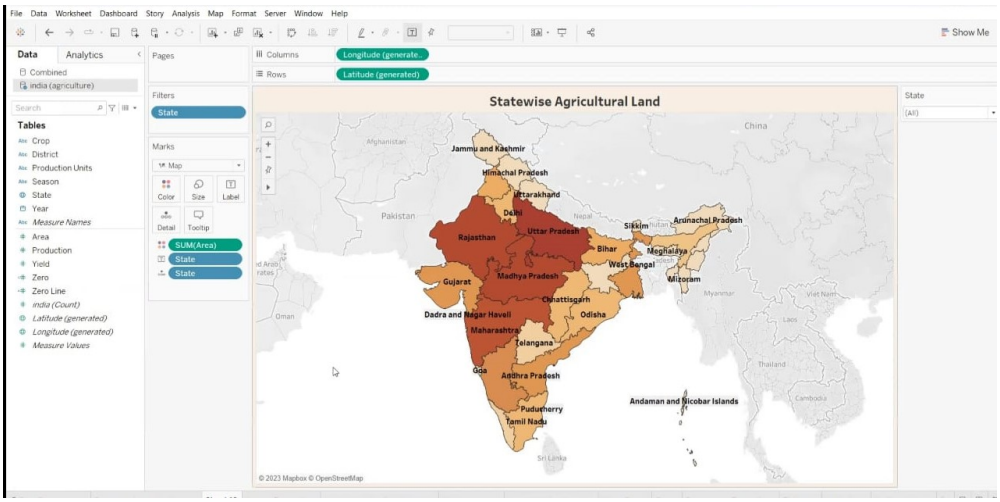
3.RESULT

3.1 Social impact:

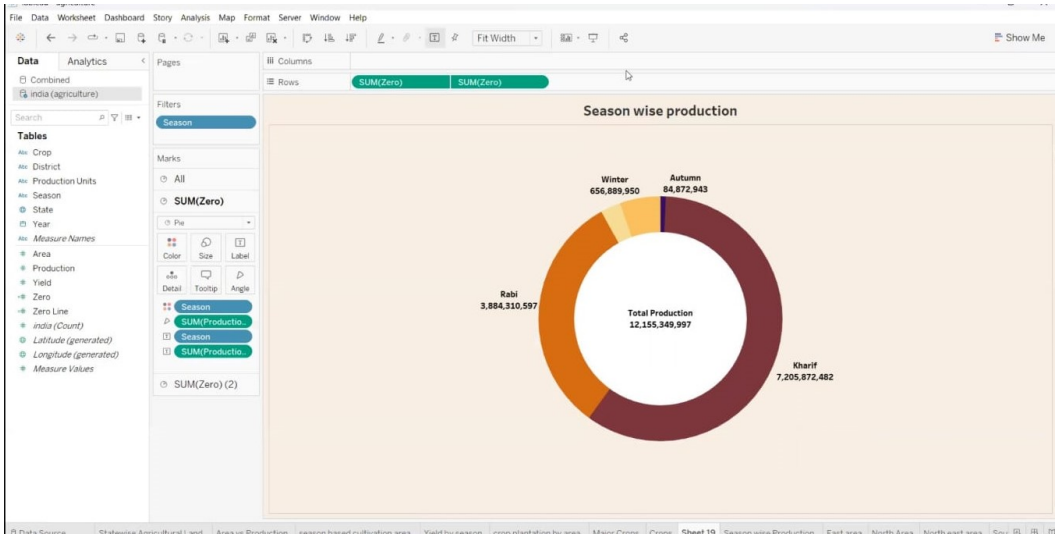
Most common problems for farmers is poverty and illiteracy. This can significantly reduce sustainability of livelihoods and the well _being of citizens in developing nations. It affects enviromental factors such as climate change on food security.

3.2.ACTIVITY AND SCREENSHOT

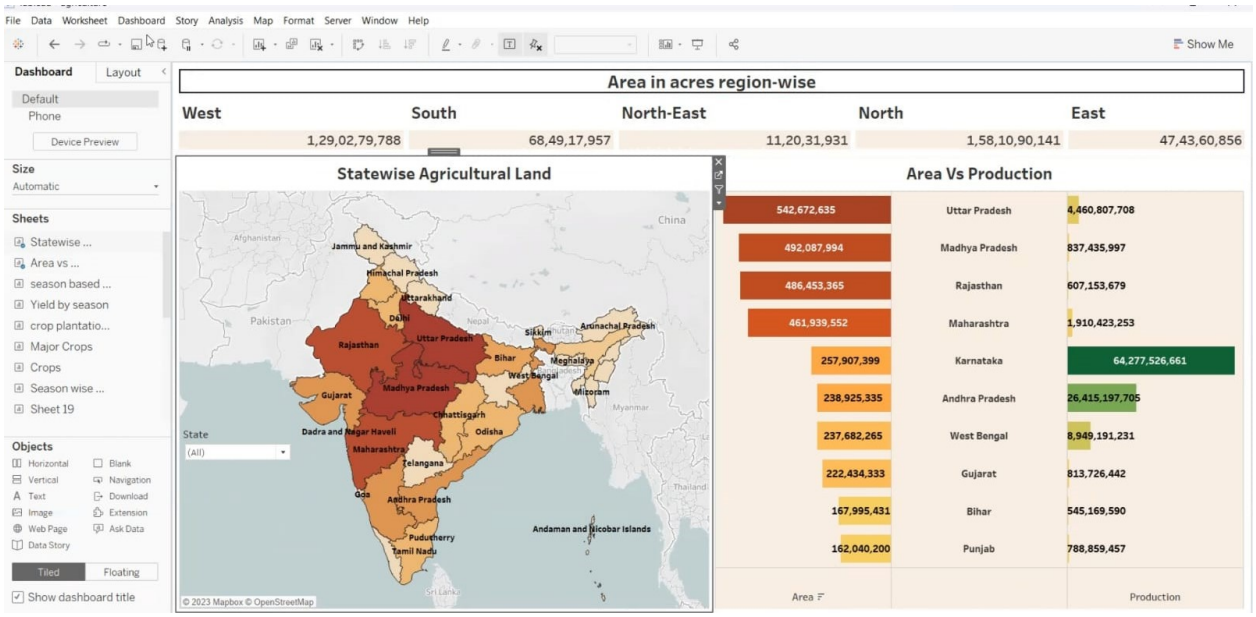
Sheet-3



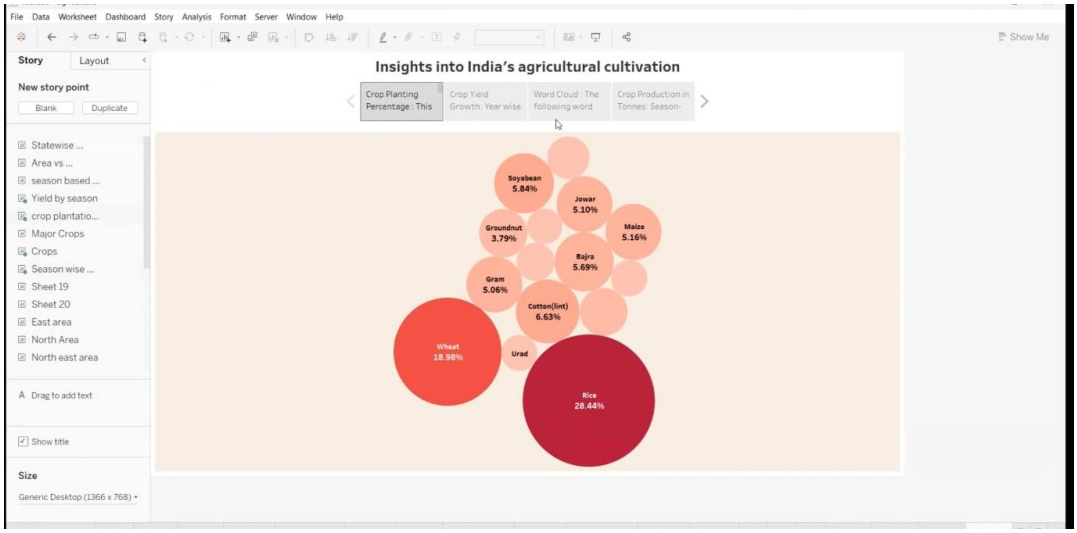
Sheet 8



DASHBOARD 1



STORY



4. TEAMS DETAILS

Team id-NM2023TMID00564

S.NO	NAME OF THE TEAM MEMBERS	NM ID
1	S.SATHYA- Team Leader	68D945B12CBB9E6A9624738ED9DECF68
2	M.ROJA	19B78E640AD0A72A6134CDAA36664BA9
3	N.SUMITHRA	81EC7DA2CE92627AAC341F981C009CF7
4	K.THESIKA	0CE97A8C5D3B4CDAC9B43C90B20438B4
5	R.VIGNESH	AFD1D7C47940B94BF3B454206BD02F0E

5 .ADVANTAGES & DISADVANTAGES

ADVANTAGES:

- It is a easy way of understand about basics of crop production
- Farmer get a better experience in production of crops
- The economic and social stability of people in linked with growth and development of industrial structure

DISADVANTAGES:

- Seasonal changes
- Over production

6 .APPLICATIONS

- Agricultural land monitoring
- Crop area estimations
- Croping system analysis
- Soil mapping and monitoring

7 .CONCLUSION

We found that agriculture is backbone of India. It should be important for all living things. Crop production analysis is the great effort to analyse the difficulties in agriculture and farmers.

8. FUTURE SCOPE

Today agricultural has become an emergency sector with latest trends. The new tecnologies and new strategies which become higher with time

APPENDIX

SOURCE CODE-Dashboard

https://public.tableau.com/shared/QNHZ4CFNR?:display_count=n&:origin=viz_share_link

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SOURCE CODE-Story

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