PROJECT REPORT TEMPLATE

TEAM ID :NM2023TMD16961

PROJECT TITLE: India’s Agricultural Crop Production Analysis(1997-2021)

1.INTRODUCTION

1.1 OVERVIEW

Agricultural crop production analysis during 1997-2021 involving utilizing various technologies, including GIS and remote sensing, to assess land use, crop yields, and environmental impact

1.2 PURPOSE

Analysing agricultural crop production helps optimize resource allocation and enhance crop yields for sustainable foos security and economic growth.

2.PROBLEM DEFINITION & DESIGN THINKING

2.1 EMPATHY MAP

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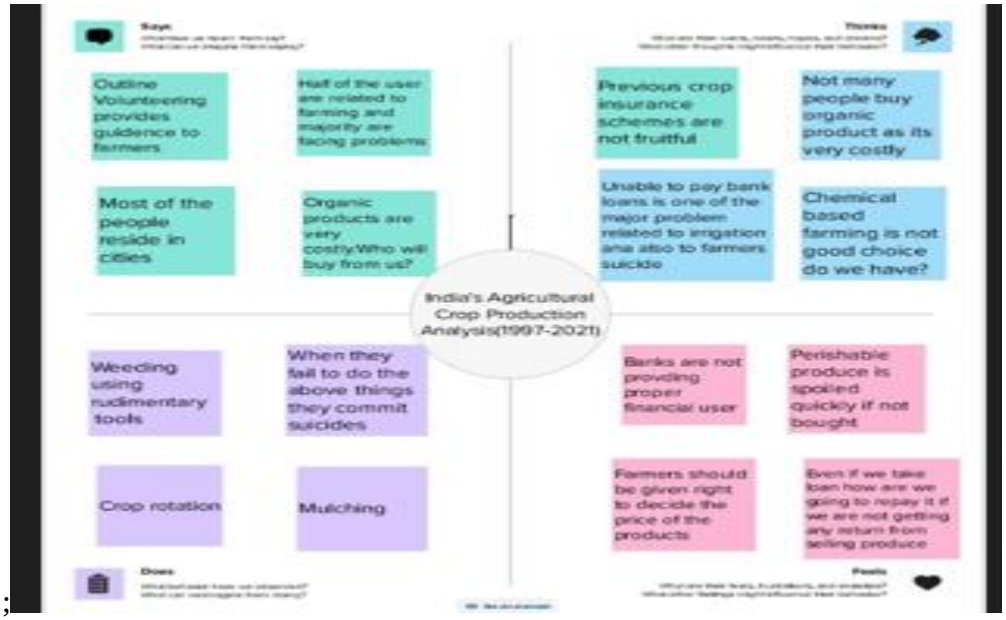
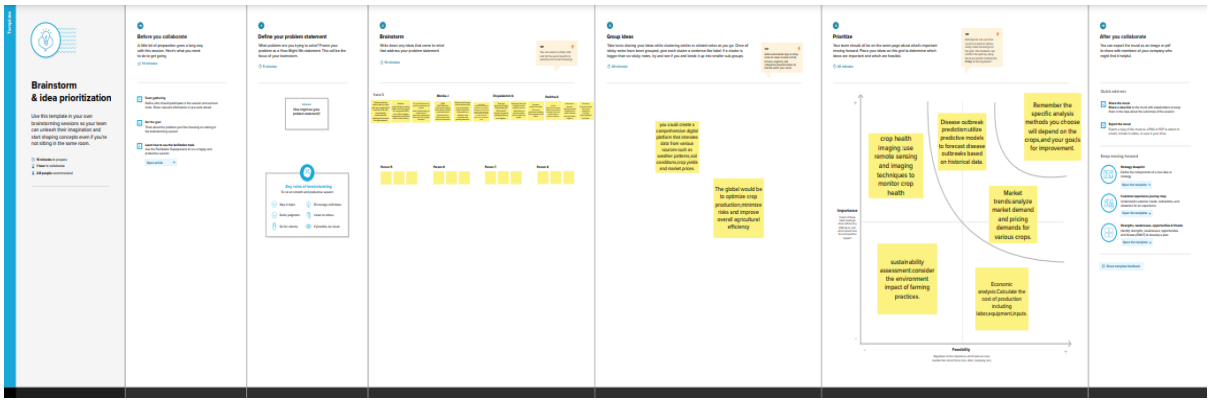
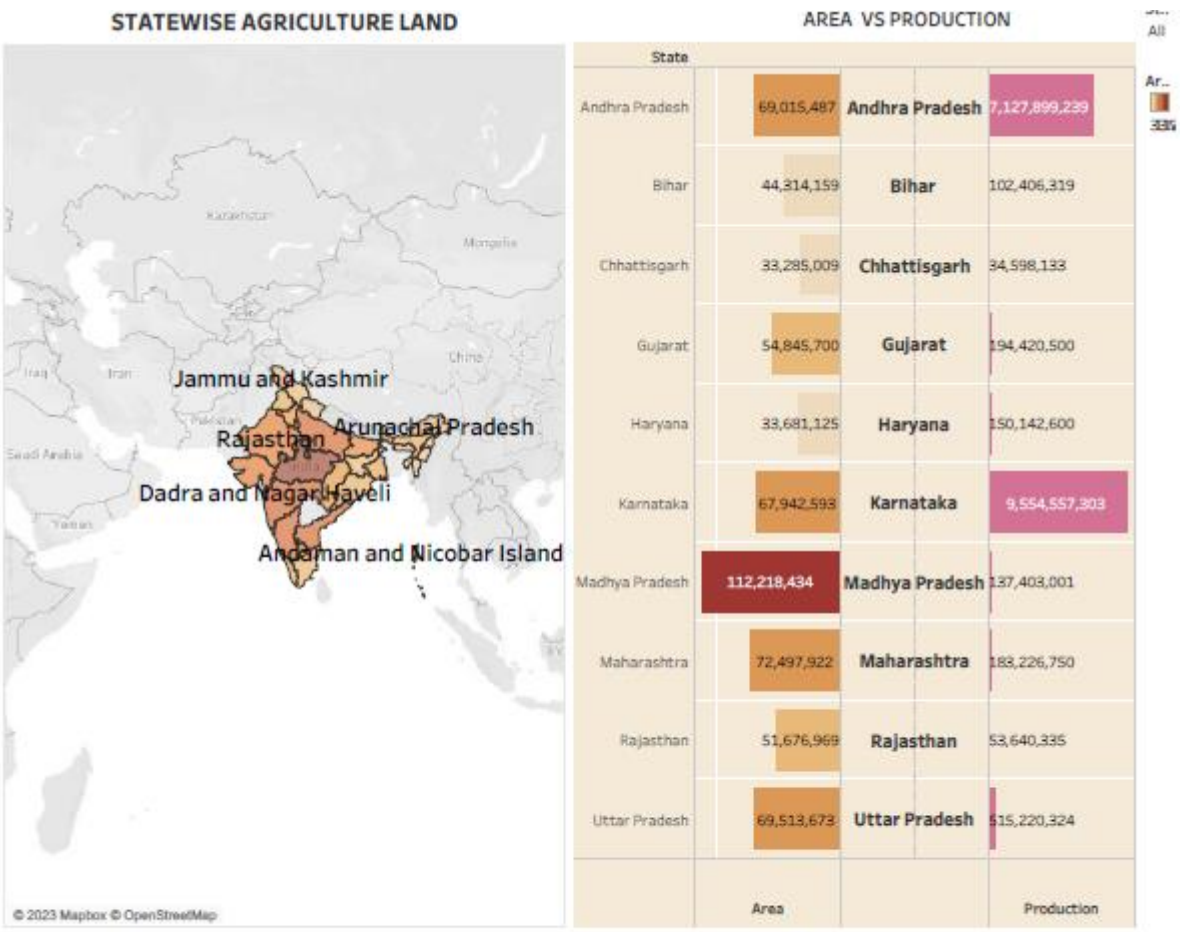


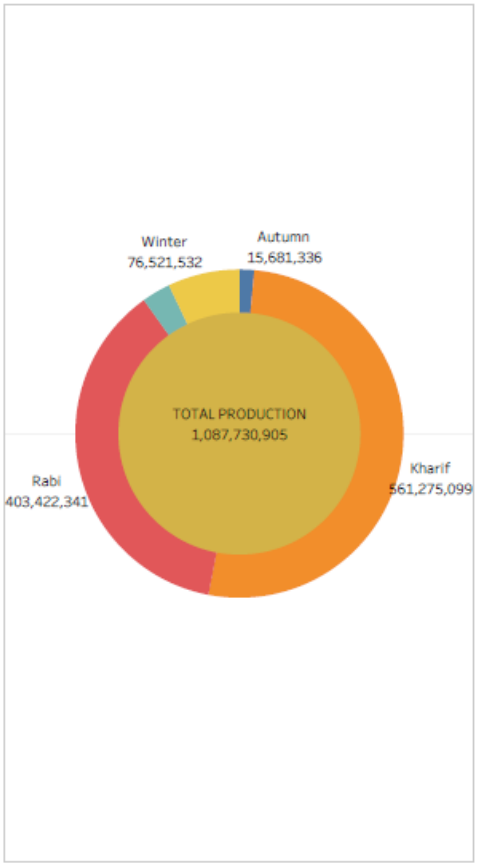
2.2 BRAIMSTORMING



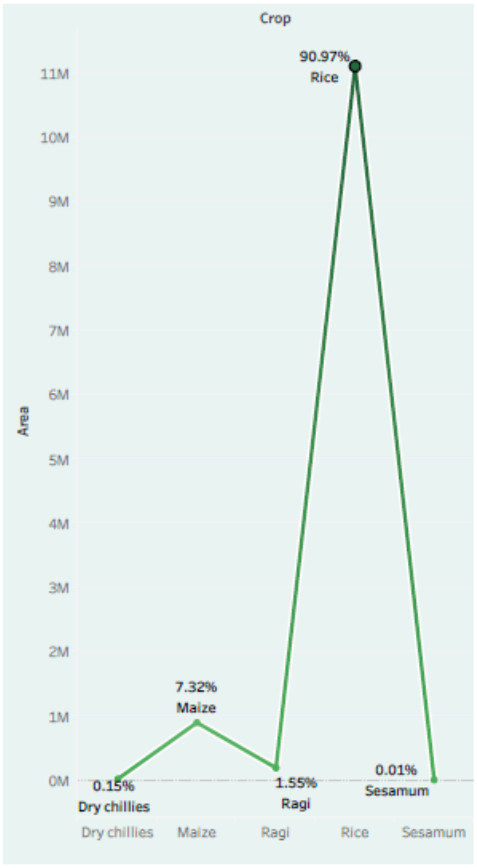
RESULT:

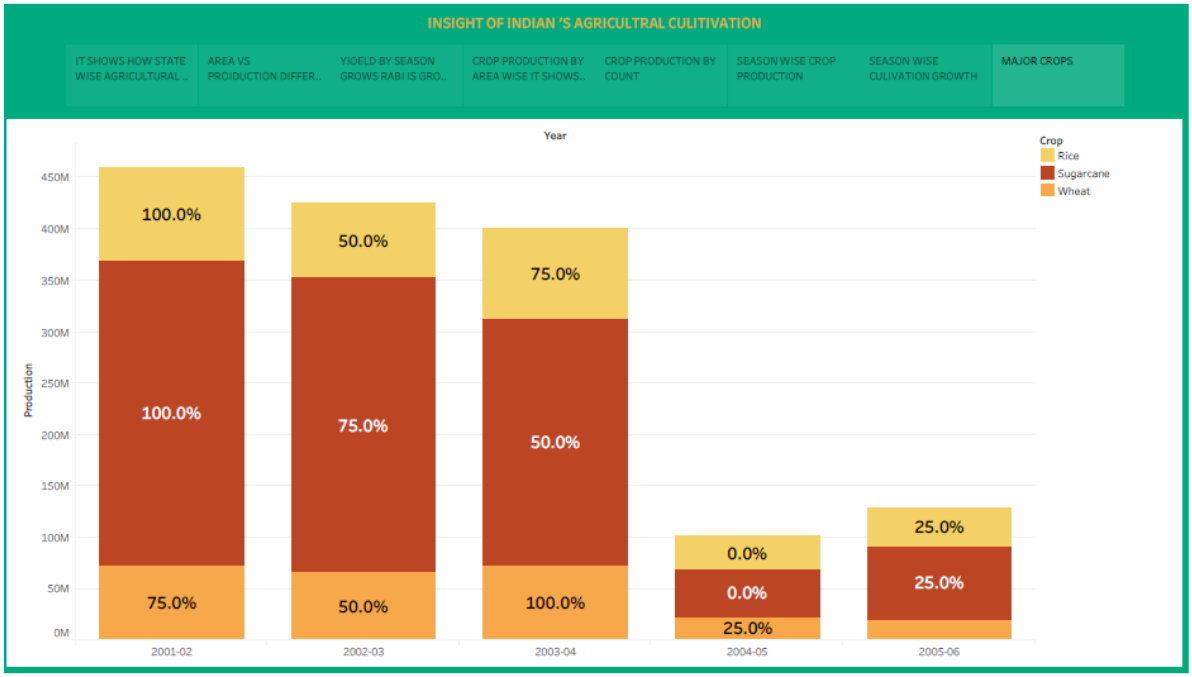


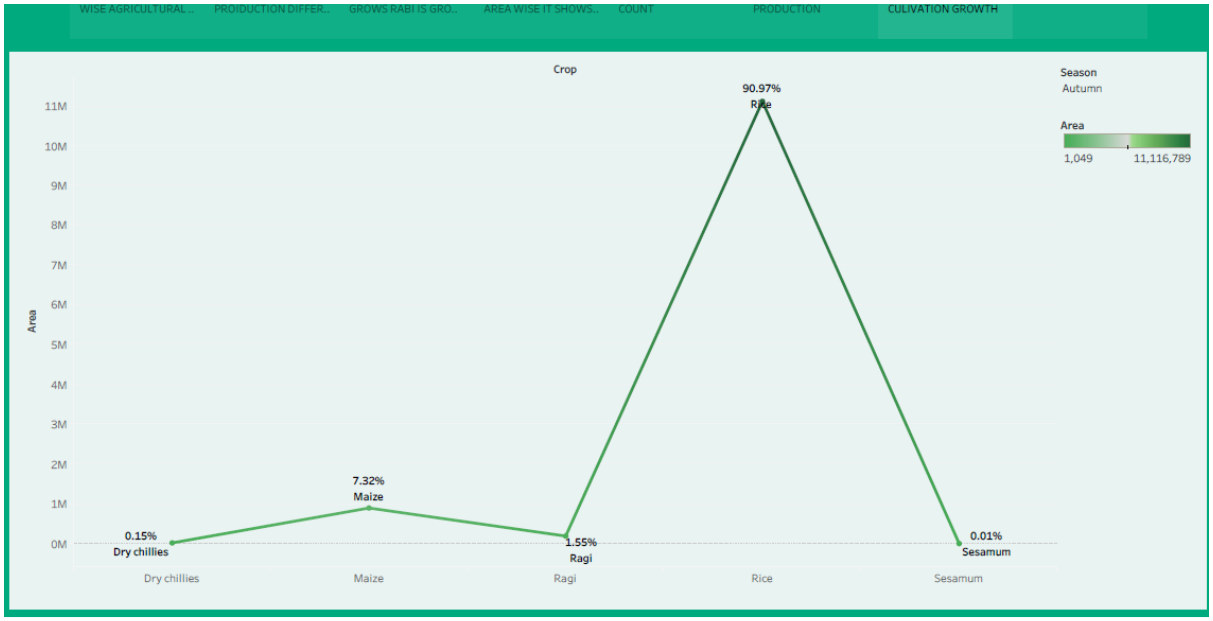
SEASON WISE PRODUCTION



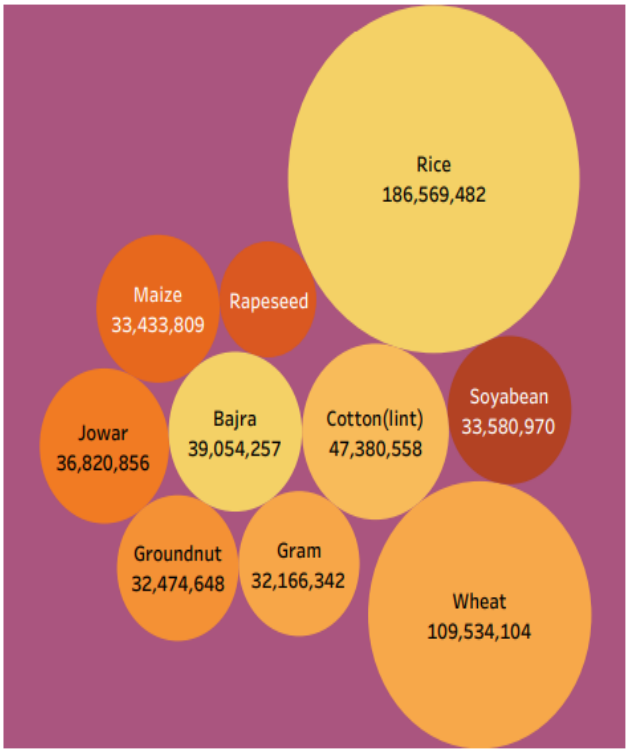
SEASON BASED CULIVATION



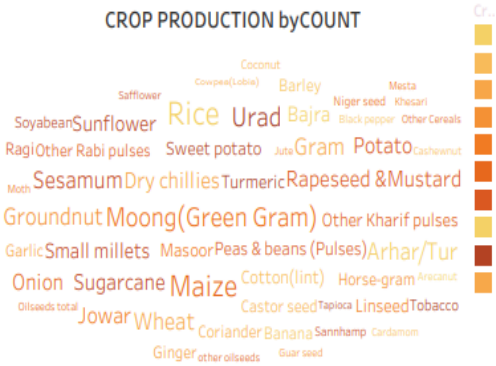

INSIGHT OF INDIAN 'S AGRICULTRAL CULITIVATION
IT SHOWS HOW STATE WISE AGRICULTURAL ..
AREA VS PROIDUCTION DIFFER..
YIOELD BY SEASON GROWS RABI IS GRO..
CROP PRODUCTION BY AREA WISE IT SHOWS..
CROP PRODUCTION BY COUNT
SEASON WISE CROP PRODUCTION
SEASON WISE CULIVATION GROWTH
MAJOR CROPS
Year
Crop
Rice
Sugarcane
Wheat
Production
450M
400M
350M
300M
250M
200M
150M
100M
50M
0M
100.0%
100.0%
75.0%
50.0%
75.0%
50.0%
75.0%
50.0%
100.0%
0.0%
0.0%
25.0%
25.0%
25.0%
2001-02
2002-03
2003-04
2004-05
2005-06

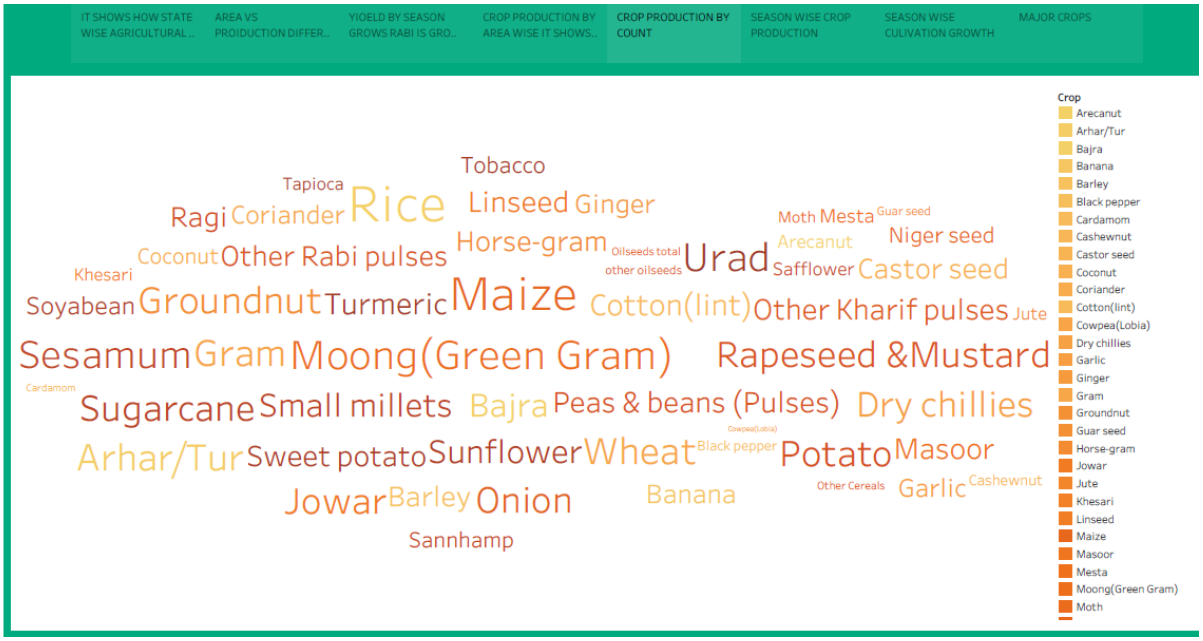


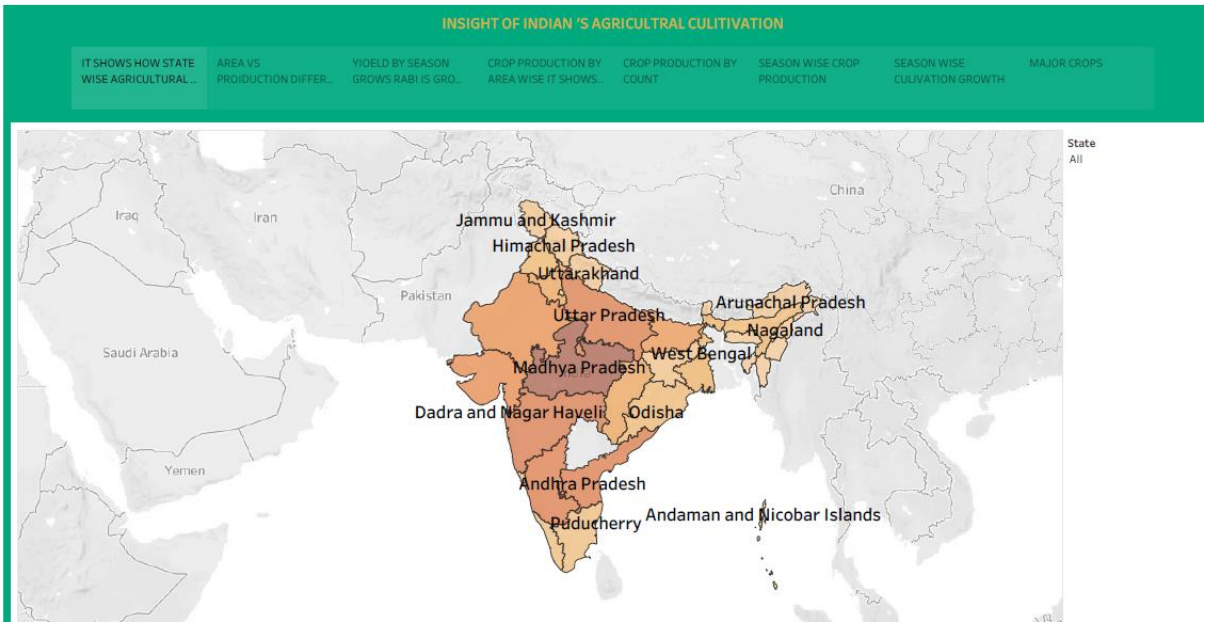
CROP PLANTATION BY AREA



CROP PRODUCTION byCOUNT







4.ADVANTAGES & DISADVANTAGES

ADVANTAGES:

Analysing agricultural crop production from 1997-2021aloows for data-driven insights to improve farming practices,mitigates risks, and ensure efficient resource managemant.

DISADVANTAGE:

potential disadvantages of analysing agricultural crop production from 1997-2021 include outdated data and limited insights into emerging modern technologies and changing strategies, and changing climate patterns.

5.APPILICATIONS

Agricultural crop production analysis includes forming policy decisions, optimizing planting strategies, and enhancing overall farm productivity.

6. CONCLUSION

In conclusion, agricultural crop production analysis is a critical tool for informed decision-making , sustainable farming practices, and global food security.

7. FUTURE SCOPE

The future of agricultural crop production analysis lies in leveraging AI, Precision farming , and big data for sustaiable ,data-driven agricultural systems

8. APPENDIX