GOVERNMENT ARTS COLLEGE, PARAMAKUDI UG DEPARTMENT OF MATHEMATICS

PROJECT TITLE:

India agriculture crop production analysis

SUBMITTED BY:

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DEPARTMENT OF MATHEMATICS

COVERNMENT ARTS COLLEGE, PARAMAKUDI.

PROJECT REPORT

I) INTRODUCTION

OVERVIEW

According to the World Bank, India is a global agricultural powerhouse. It is the world's largest producer of milk, pulses, and spices, and has the world's largest cattle herd (buffaloes), as well as the largest area under wheat, rice and cotton. It is the second largest producer of rice, wheat, cotton, sugarcane, farmed fish, sheep & goat meat, fruit, vegetables and tea. While agriculture's share in India's economy has progressively declined to less than 15% due to the high growth rates of the industrial and services sectors, the sector's importance in India's economic and social fabric goes well beyond this indicator.

PURPOSE

- Food Security. The primary purpose of crop production in India is to ensure an adequate and stable supply of food for its growing population. Crops like rice, wheat, pulses, and vegetables are essential for meeting the dietary needs of the country.
- Livelihoods. Agriculture is a major source of livelihood for a significant portion of India's population. Crop production provides employment opportunities for millions of farmers and laborers, contributing to rural income and economic stability.
- Economic Growth. Crop production is a significant contributor to India's economy. It provides raw materials for various industries, supports the agriprocessing sector, and generates income through exports.

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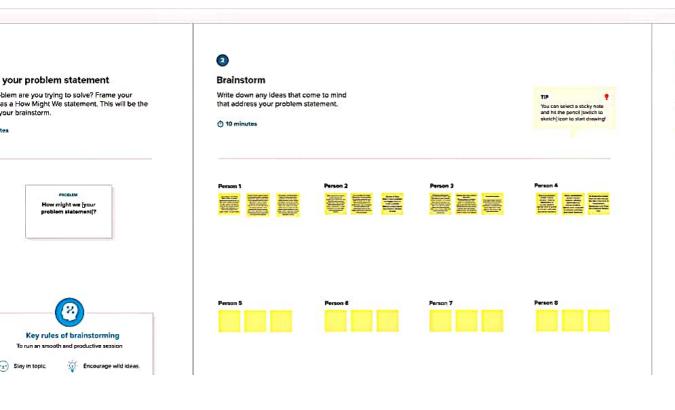


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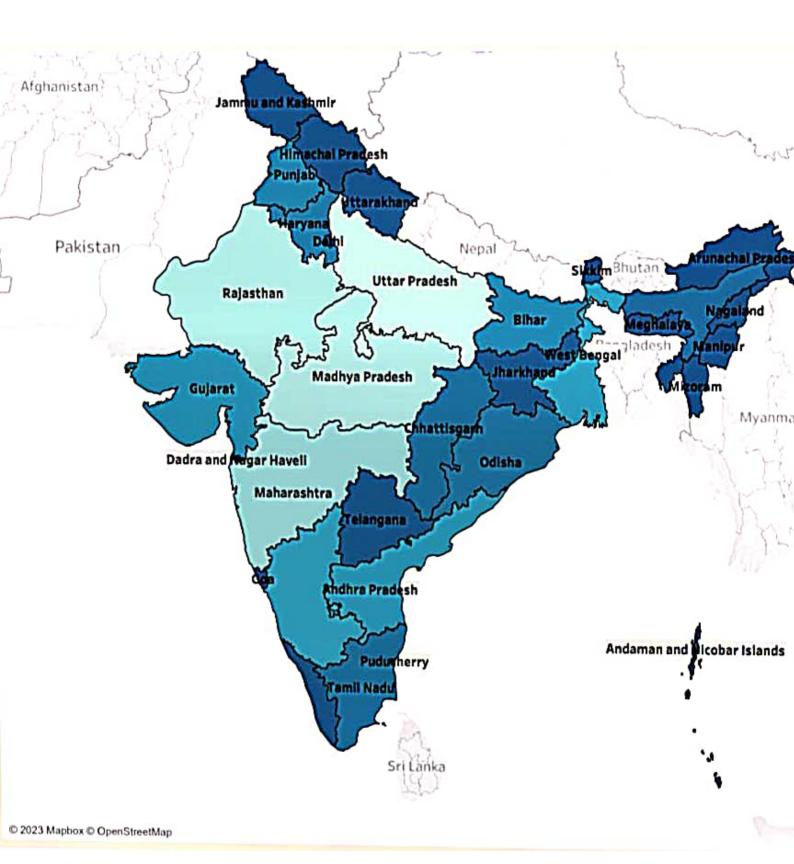


Group ideas

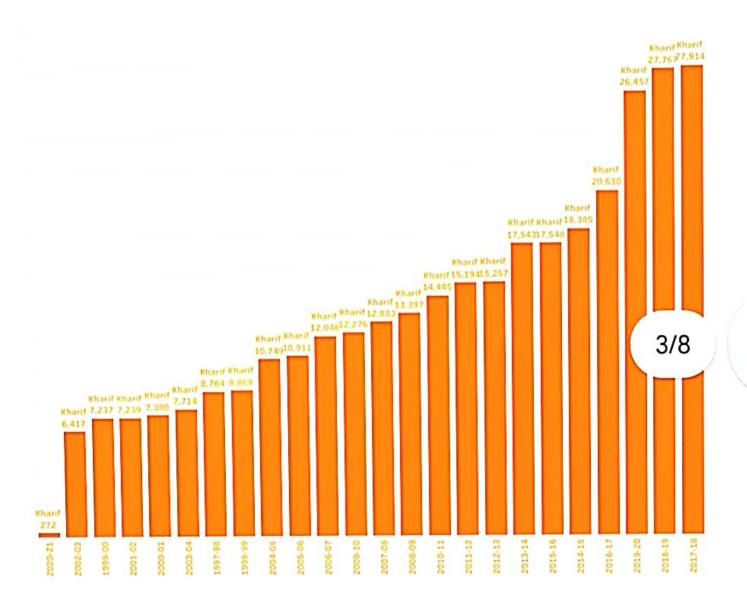
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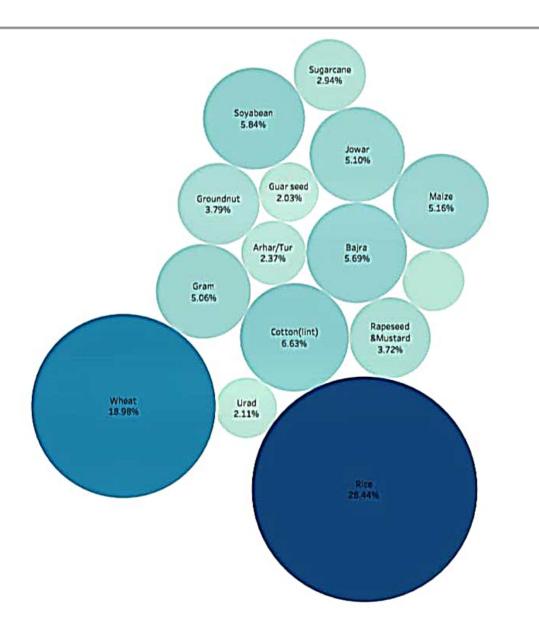
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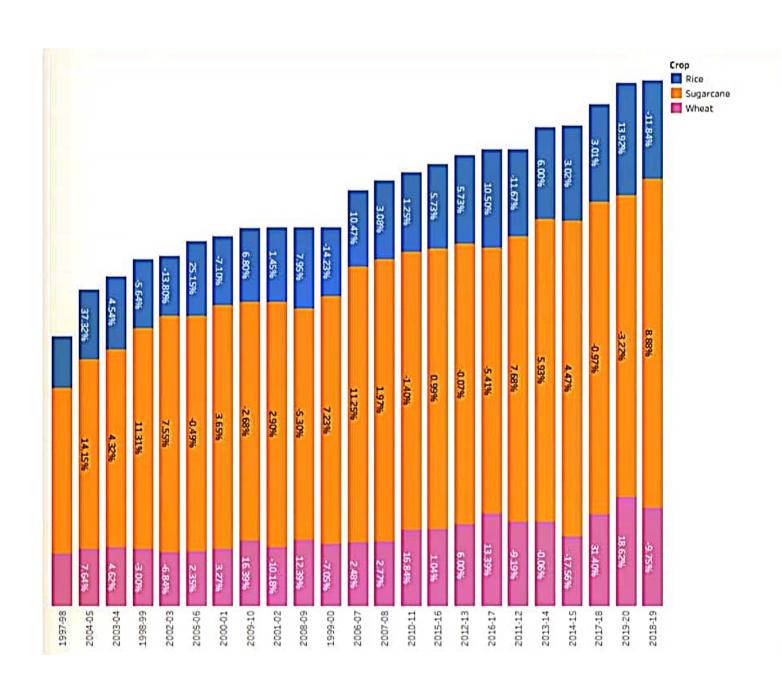


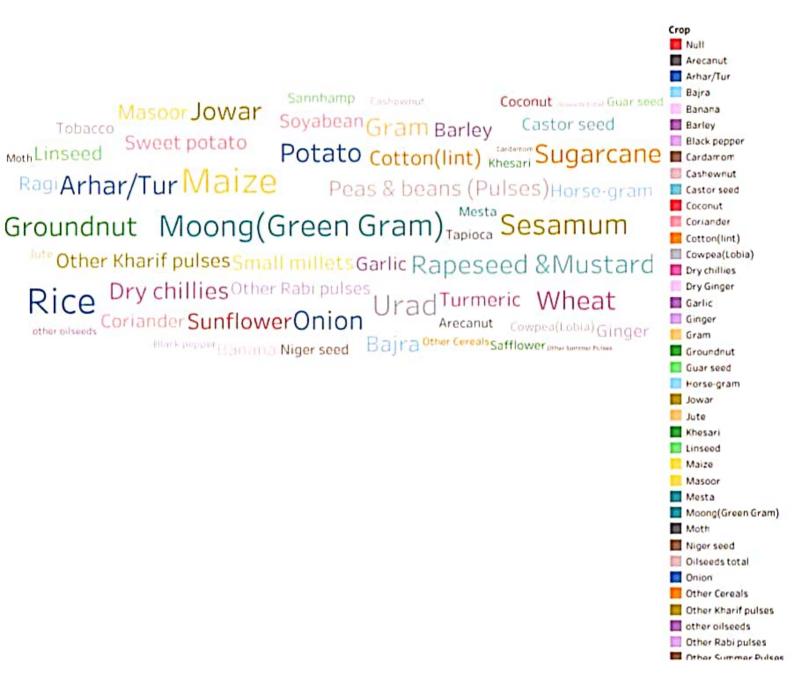


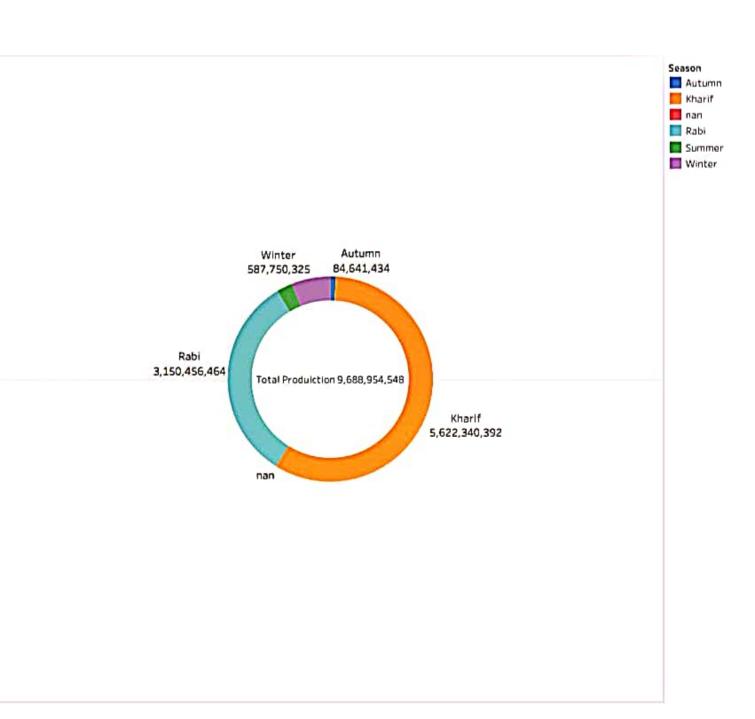
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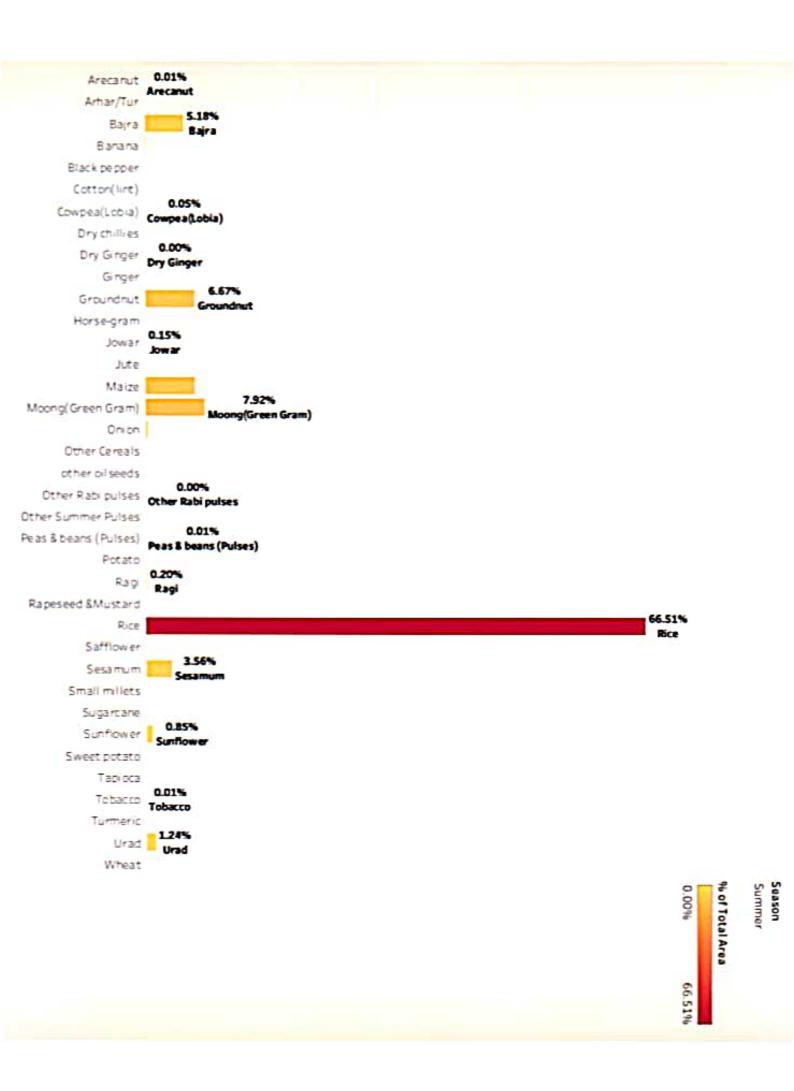
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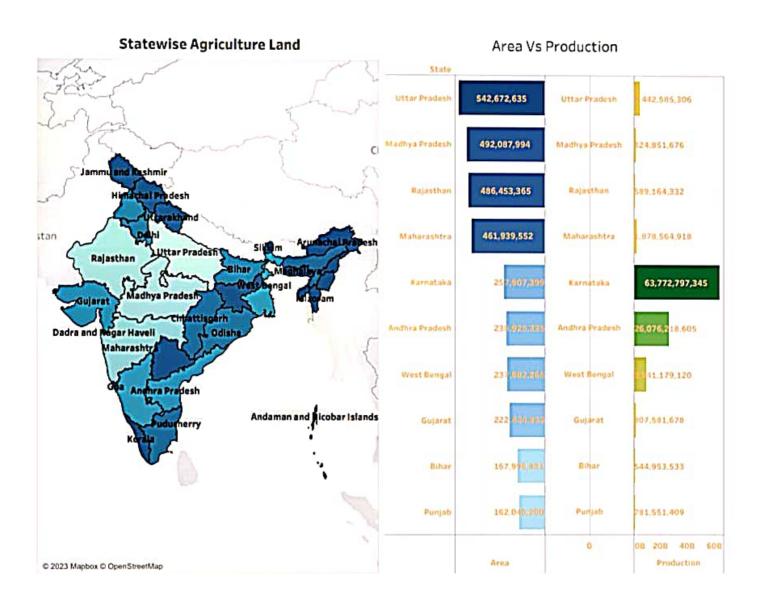
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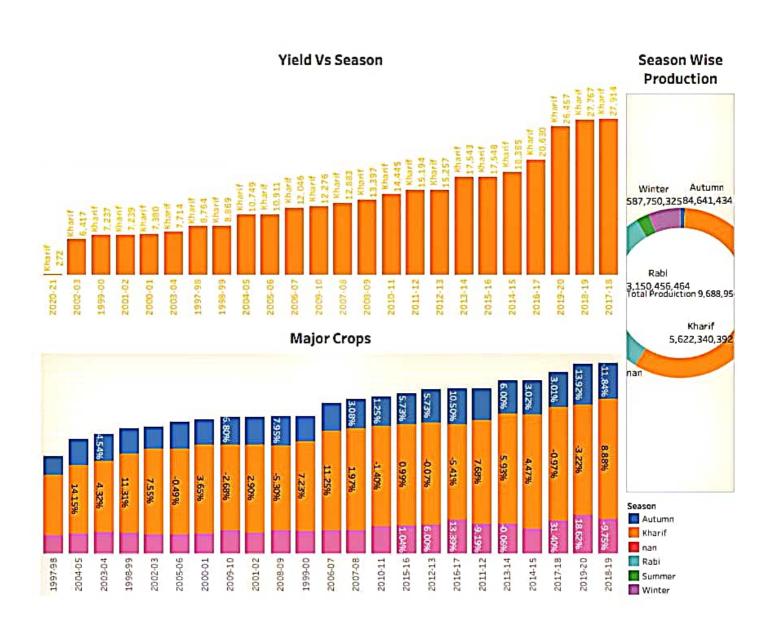


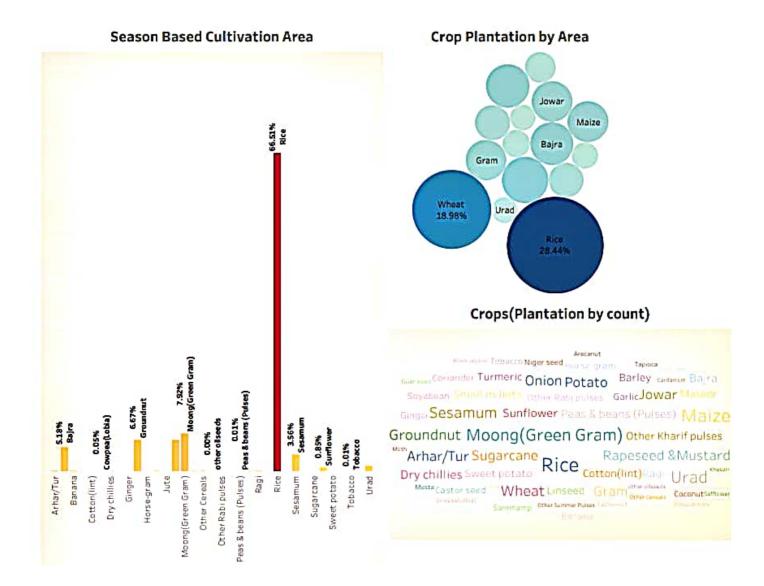










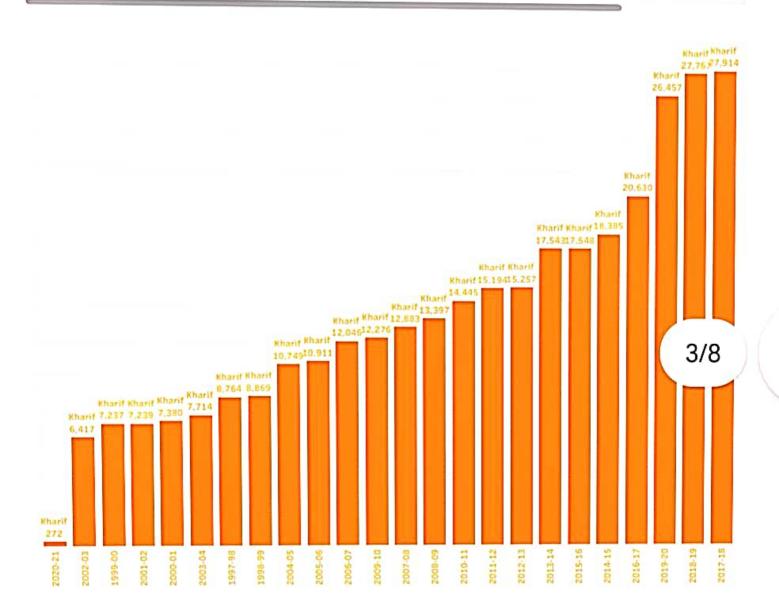


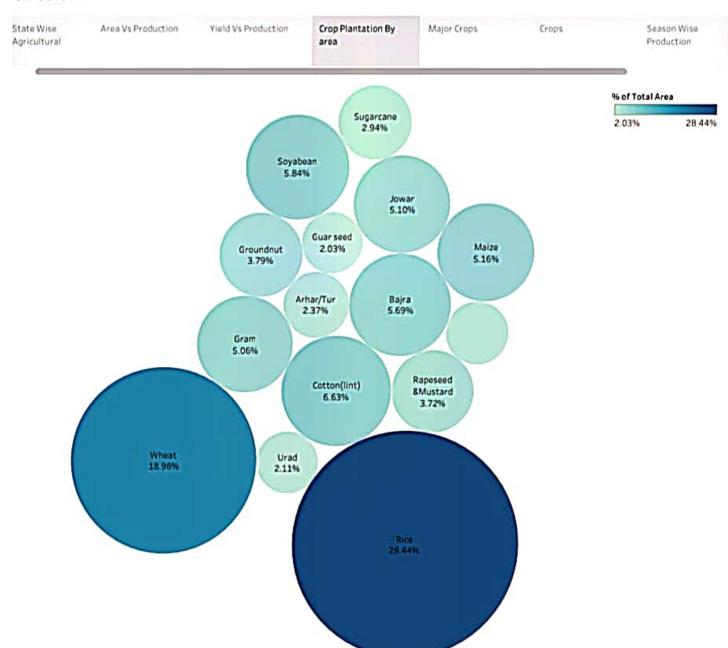
Major Crops Crops Crop Plantation By State Wise Area Vs Production Yield Vs Production Agricultural area State All Afghanistan Nepal Pakistan Suddim Bhutan **Uttar Pradesh** Rajasthan Bihar Madhya Pradesh y Gujarat Myanmar Dadra and Magar Havell Maharashtra Andaman and Dicobar Islands Tamil Nadu © 2023 Mapbox © OpenStreetMap

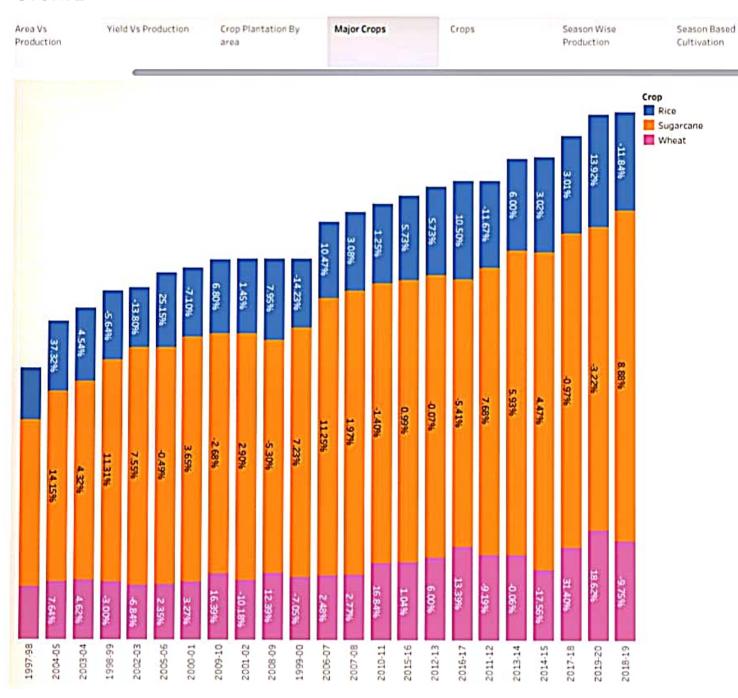
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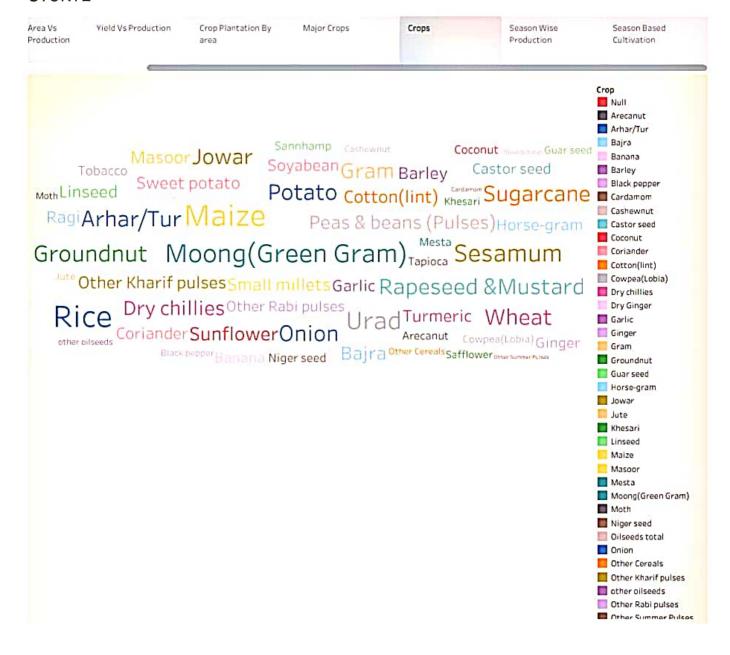


State Wise Area Vs Production Yield Vs Production Crop Plantation By Major Crops Crops Season Wise area Production

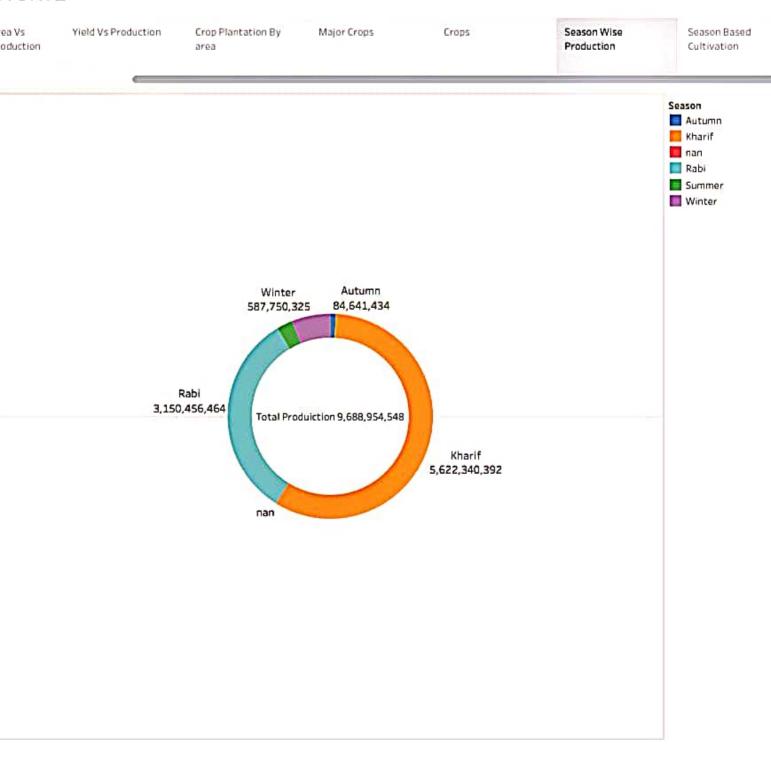


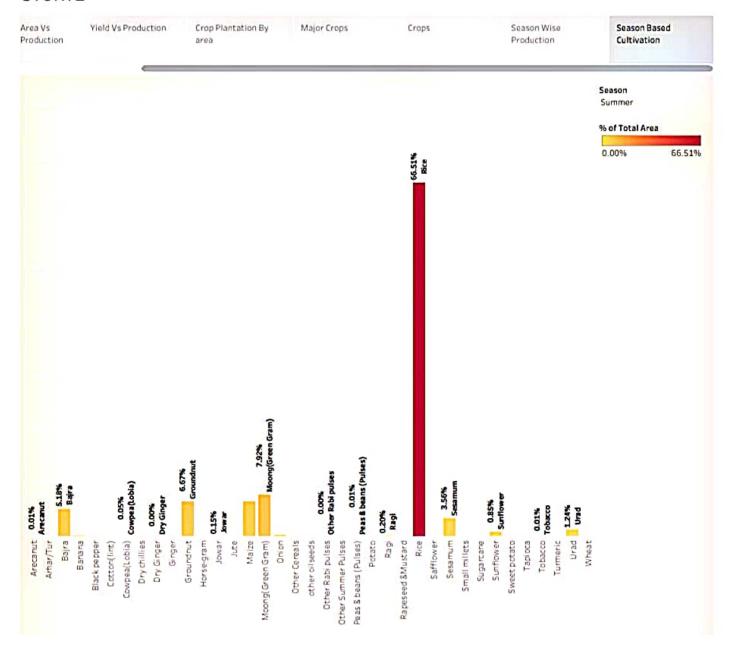






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- > Export Opportunities. Exploring international markets for Indian agricultural products.
- > Reducing Post-Harvest Losses. Implementing better storage and transportation facilities to reduce wastage.
- > Organic Farming. The growing demand for organic produce presents opportunities for Indian farmers.
- > Farmer Welfare. Addressing issues of farmer distress and income security.

To realize these prospects, India must navigate challenges like land fragmentation, water Scarcity, and the need for significant investments in infrastructure and research and development.