
# CROP PRODUCTION ANALYSIS IN INDIA

# INTRODUCTION

Agriculture forms the backbone of India's economy, Understanding crop production trends is vital for enhancing agricultural productivity, ensuring food security, and making informed policy decisions. This project aims to analyze crop production data across various states and districts in India, focusing on different crops, their seasonal variations, and yield patterns over the years.

# PROBLEM STATEMENT

**The agricultural sector is crucial for India's economy and food security. However, understanding and optimizing crop production remains a challenge due to various factors such as seasonal variations, regional differences, and changing climatic conditions. There is a need for a comprehensive analysis of crop production data to identify trends, patterns, and influencing factors that can help improve agricultural productivity and sustainability.**

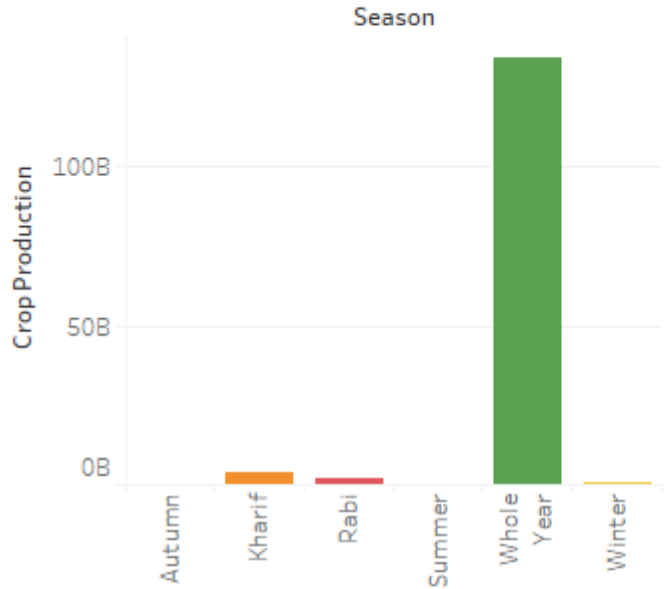
# OBJECTIVE

The objective of this project is to analyze crop production data across India to uncover trends and patterns, understand the impact of seasons and regional differences, and develop predictive models for crop yields. The insights gained will help policymakers, researchers, and farmers make data-driven decisions to improve agricultural productivity, ensure food security, and promote sustainable farming practices.

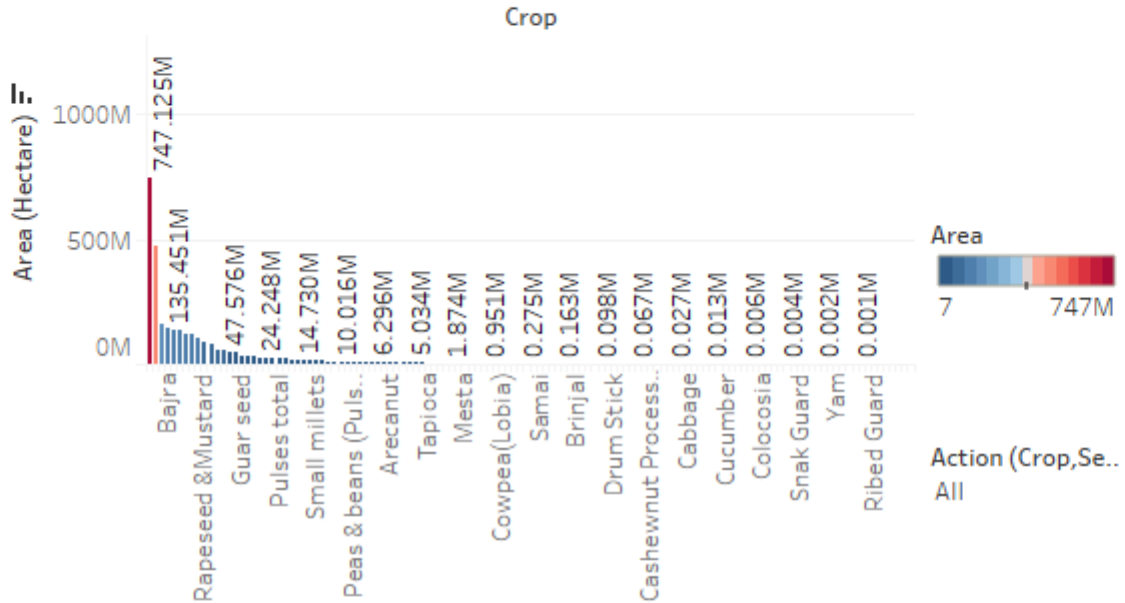

DASHBORD
kmh
mph
100
120
140
160
180
200
220
240
260

# Crop production dashbord

## Season wise total production



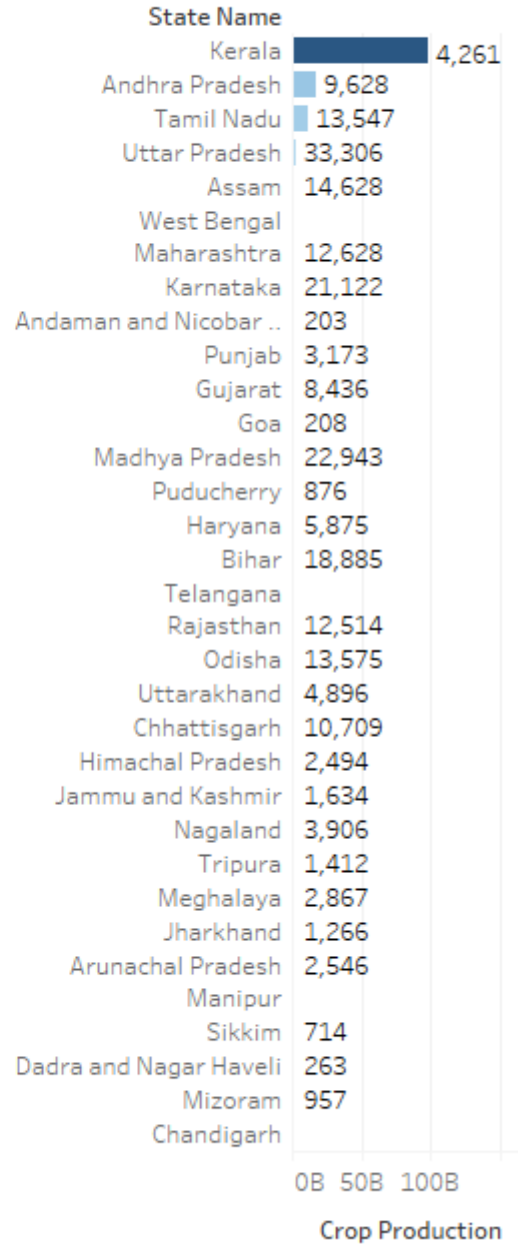

## crop vs. area cover



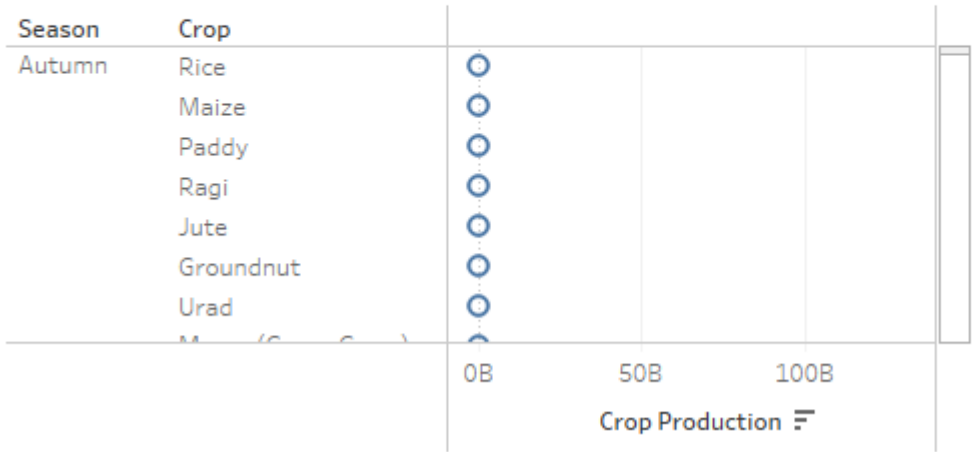




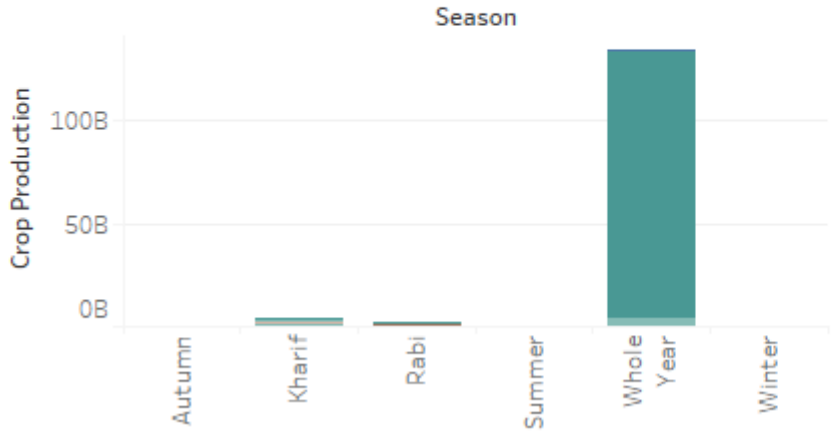
## Statewise total prouction




## Seasonal Crop Production



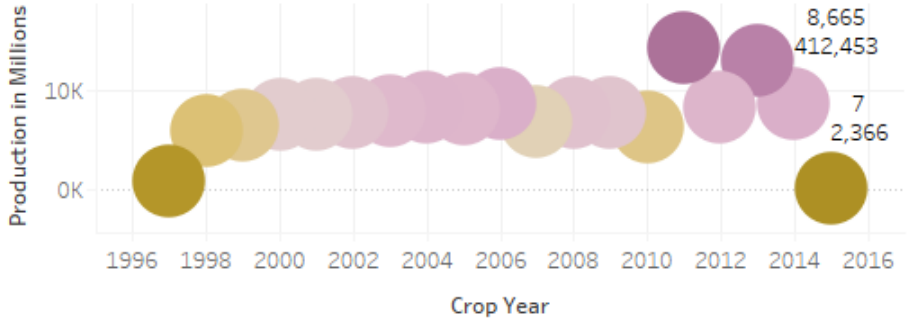

## Seasonal Comparison



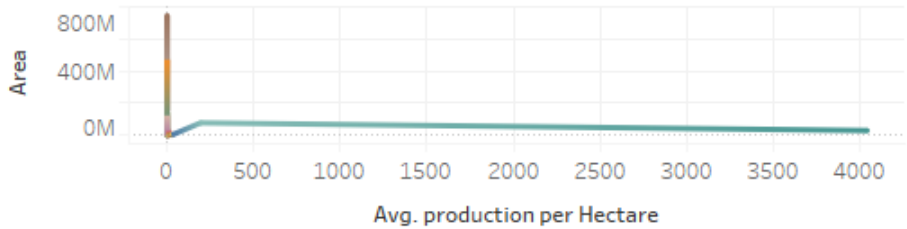
# Crop production Dashbord

Production in Millions
7 14,309

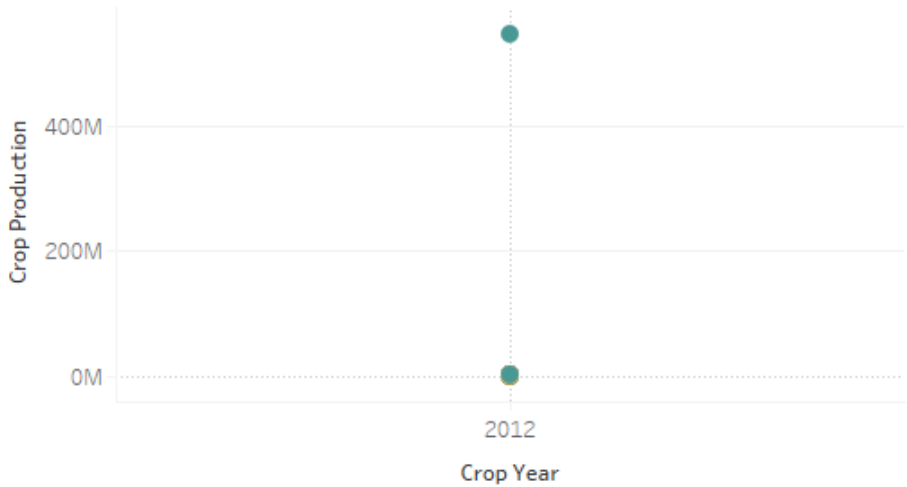
## crop production over the year



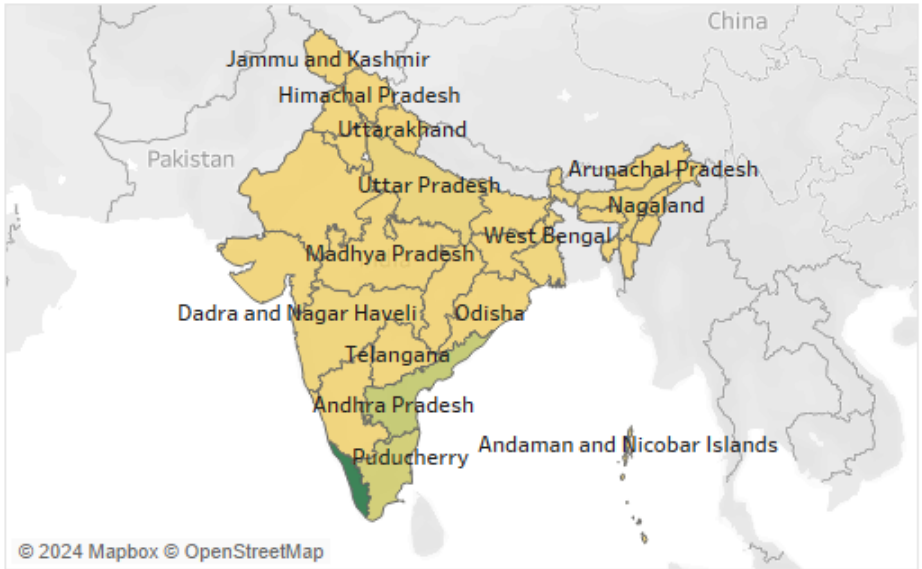

## Area vs. Production (Productivity Analysis)




## Time series analysis




## Statewise avg production




Season
All

Action (Crop,Season)
All

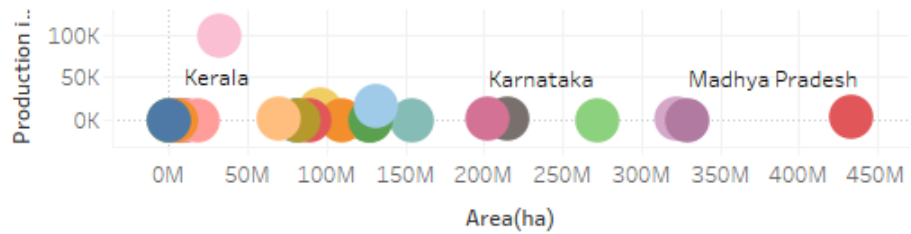
Crop Production
63,957 98B

Crop
All

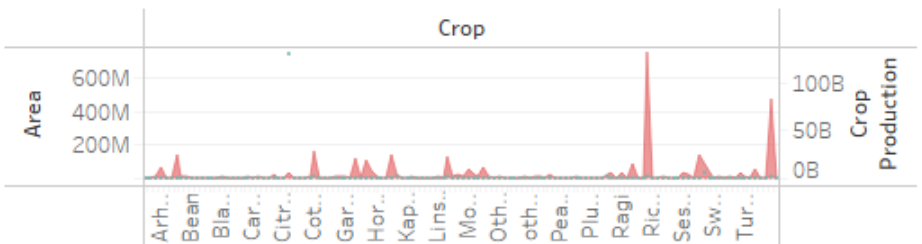
Measure Names
Area
Crop Production

State Name
All

## Statewise production by covering area




## Crop Production over Area




## Seasonal Crop Production

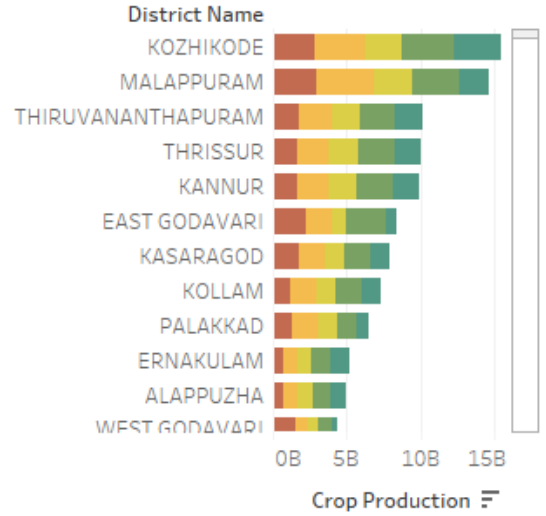
Season Crop

Crop
Apple
Arcanut (Processed)
Arecanut
Arhar/Tur
Ash Gourd
Atcanut (Raw)
Bajra
Banana

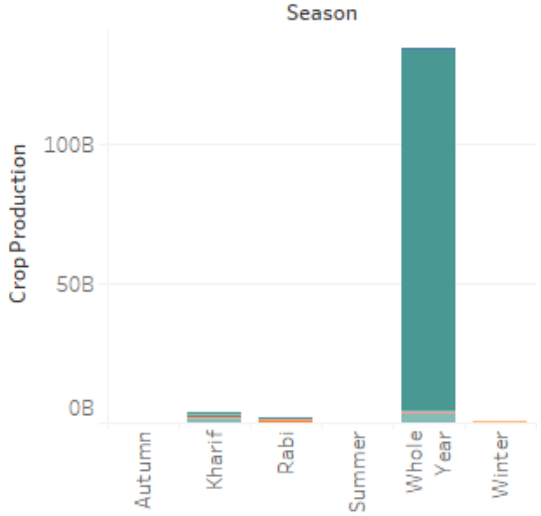
# Crop Production Analysis

Action (Cro.. All  District Na.. All  Crop All  Season All  State Name All  Action (Cro.. All  Season All

## District wise production

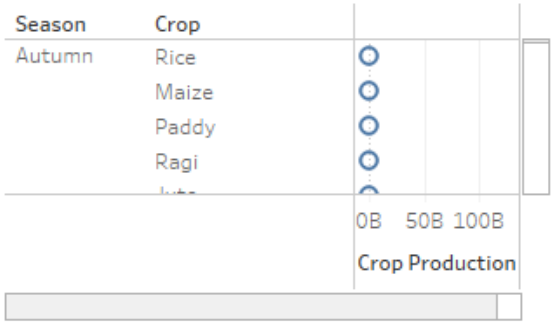



## Seasonal Comparison

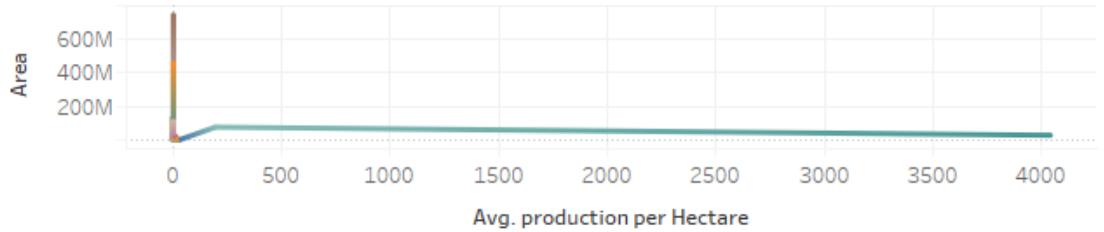



## Time series analysis

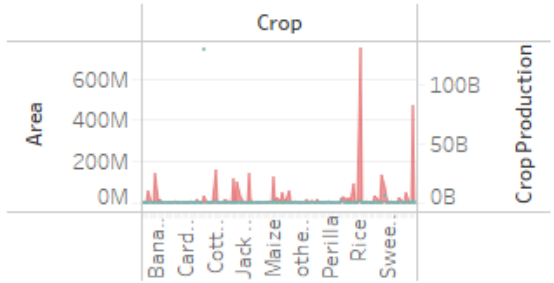

## Seasonal Crop Production



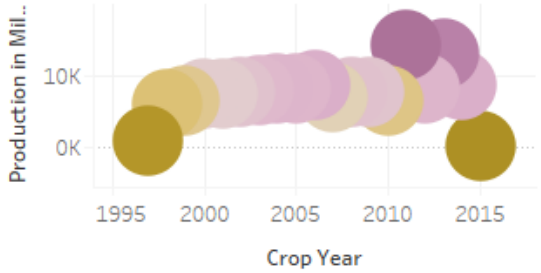

## Area vs. Production (Productivity Analysis)



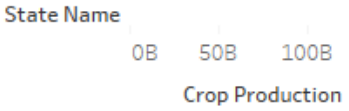

## Crop Production over Area



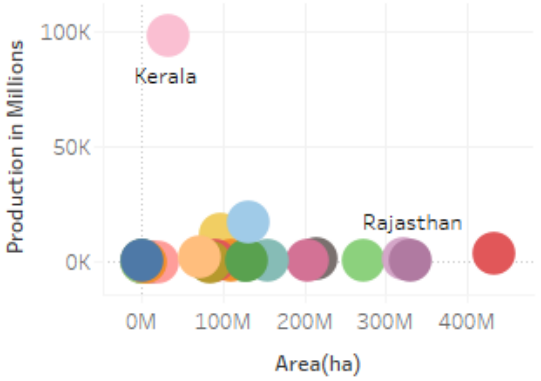

## crop production over the year




## Statewise total prouction

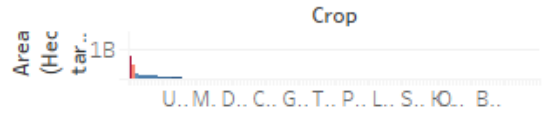



## Statewise production by covering area

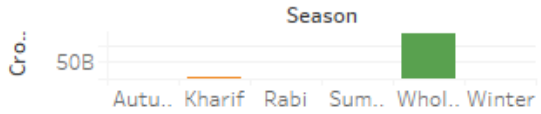



Season Filt.. All

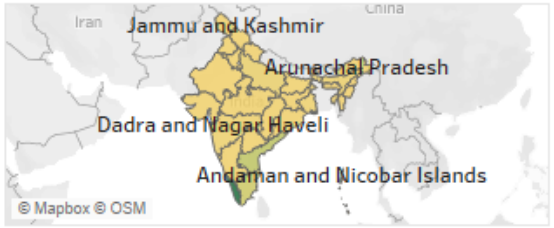
## crop vs. area cover




## Season wise total production




## Statewise avg production




THANK
YOU