



# Crop Production Analysis

Presentation by  
Sai Krishna Tandasi



# Contents

- Introduction
- Problem Statement
- Process
- Dashboard
- Insights
- Conclusion



# Introduction

The Crop Production Analysis project aims to provide a comprehensive overview of the production and area of cultivation of various types of crops.

This analysis includes key metrics such as yearly production, seasonal attributes, state-wise analysis and offering valuable insights into economic landscape and agricultural dynamics.

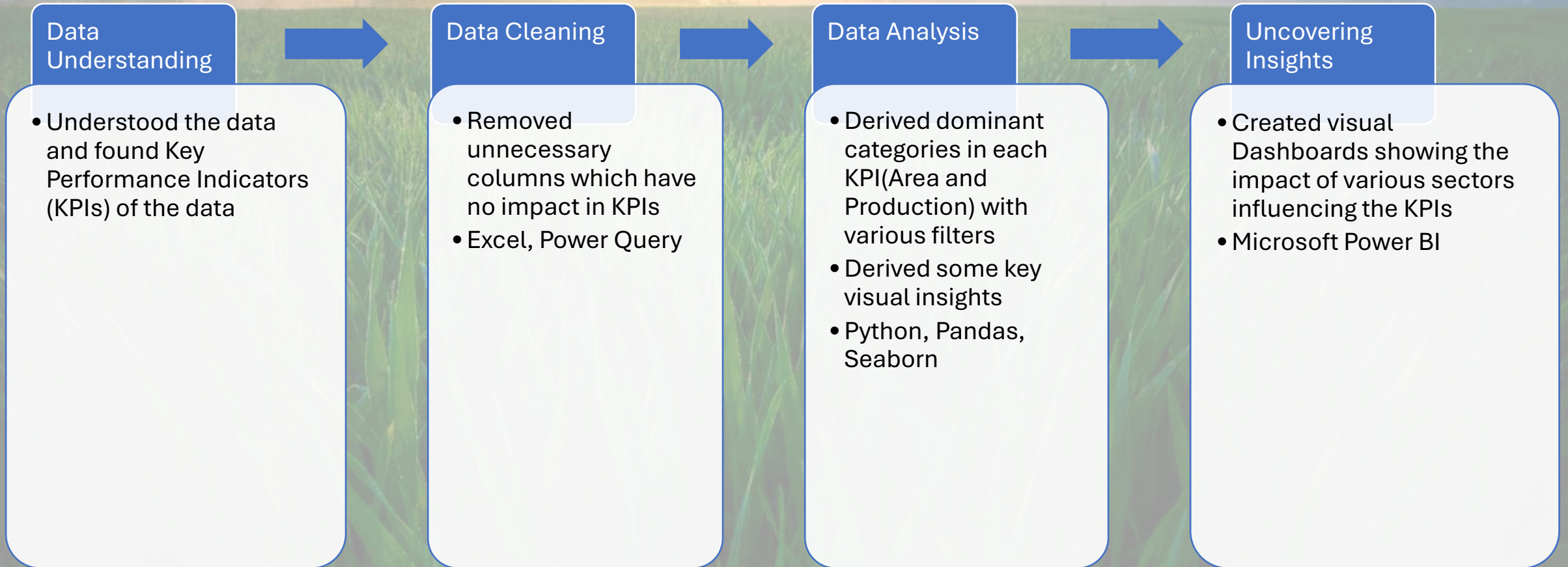
The Data highlights the dominance of certain states and crops showcasing their impact on the overall market.

# Problem Statement

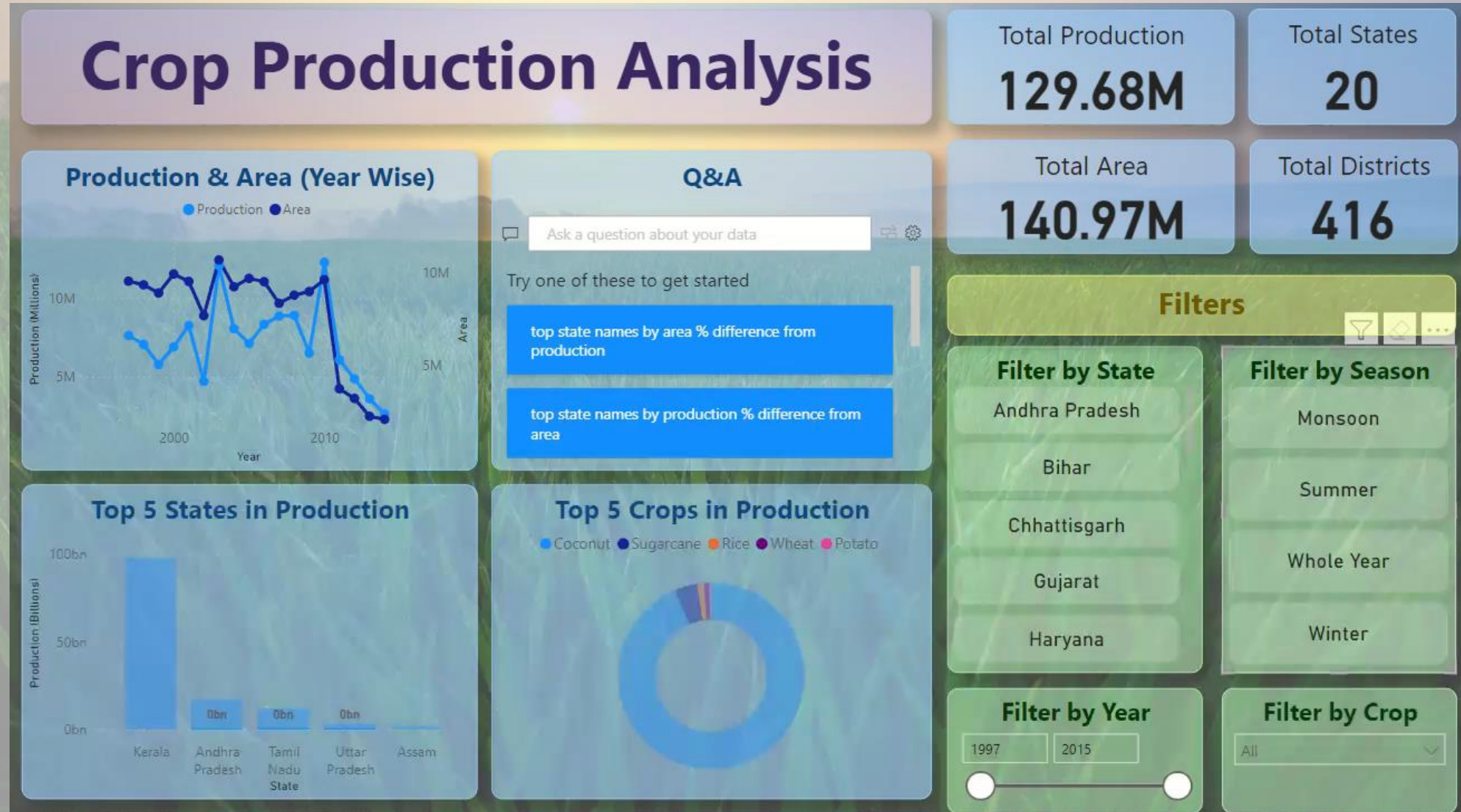
- The Agriculture business domain, as a vital part of the overall supply chain, is expected to highly evolve in the upcoming years via the developments, which are taking place on the side of the Future Internet.
- This paper presents a novel Business-to-Business collaboration platform from the agri-food sector perspective, which aims to facilitate the collaboration of numerous stakeholders belonging to associated business domains, in an effective and flexible manner.
- This dataset provides a huge amount of information on crop production in India ranging from several years. Based on the Information the ultimate goal would be to predict crop production and find important insights highlighting key indicators and metrics that influence crop production.
- Make views and dashboards first and also make a story out of it.



# Process

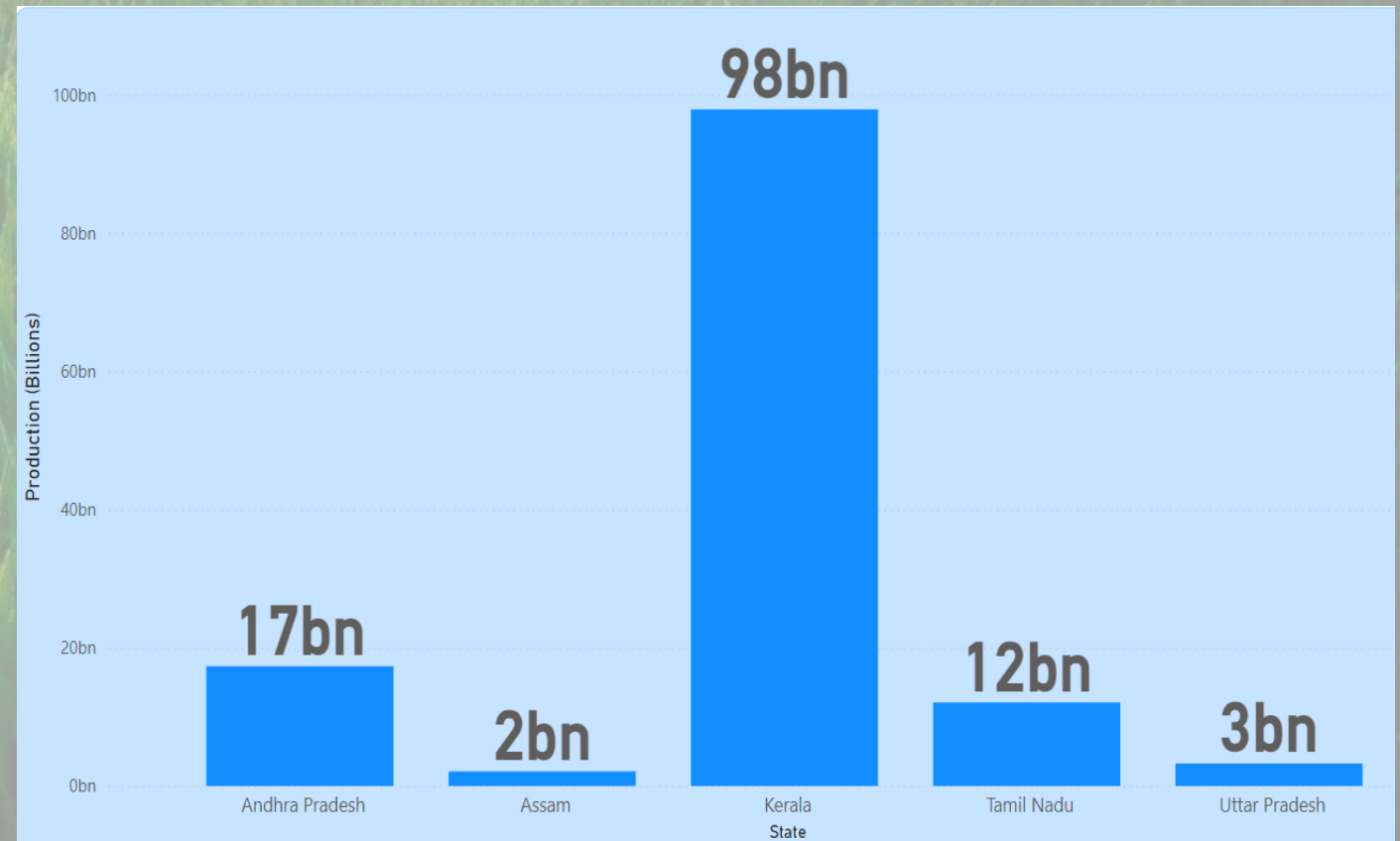
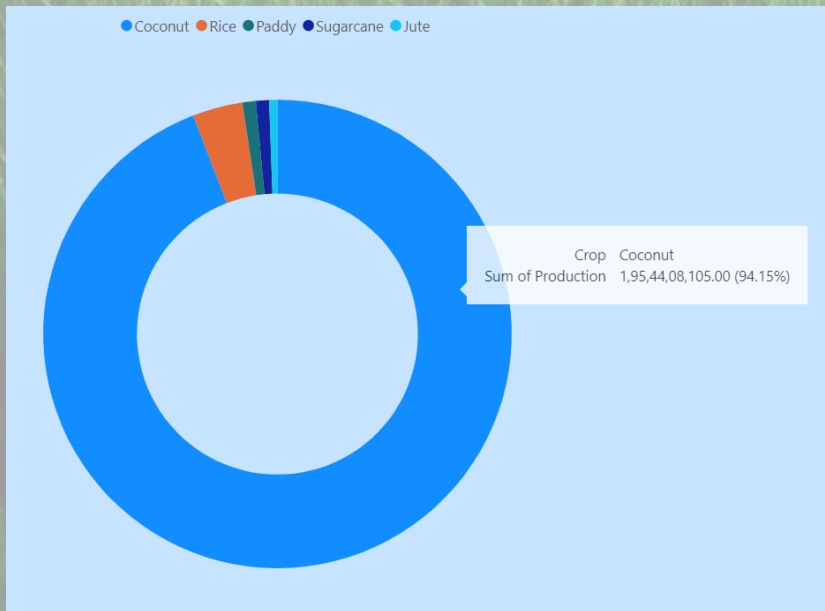


# Dashboard



# Top 5 States and Crops in Production

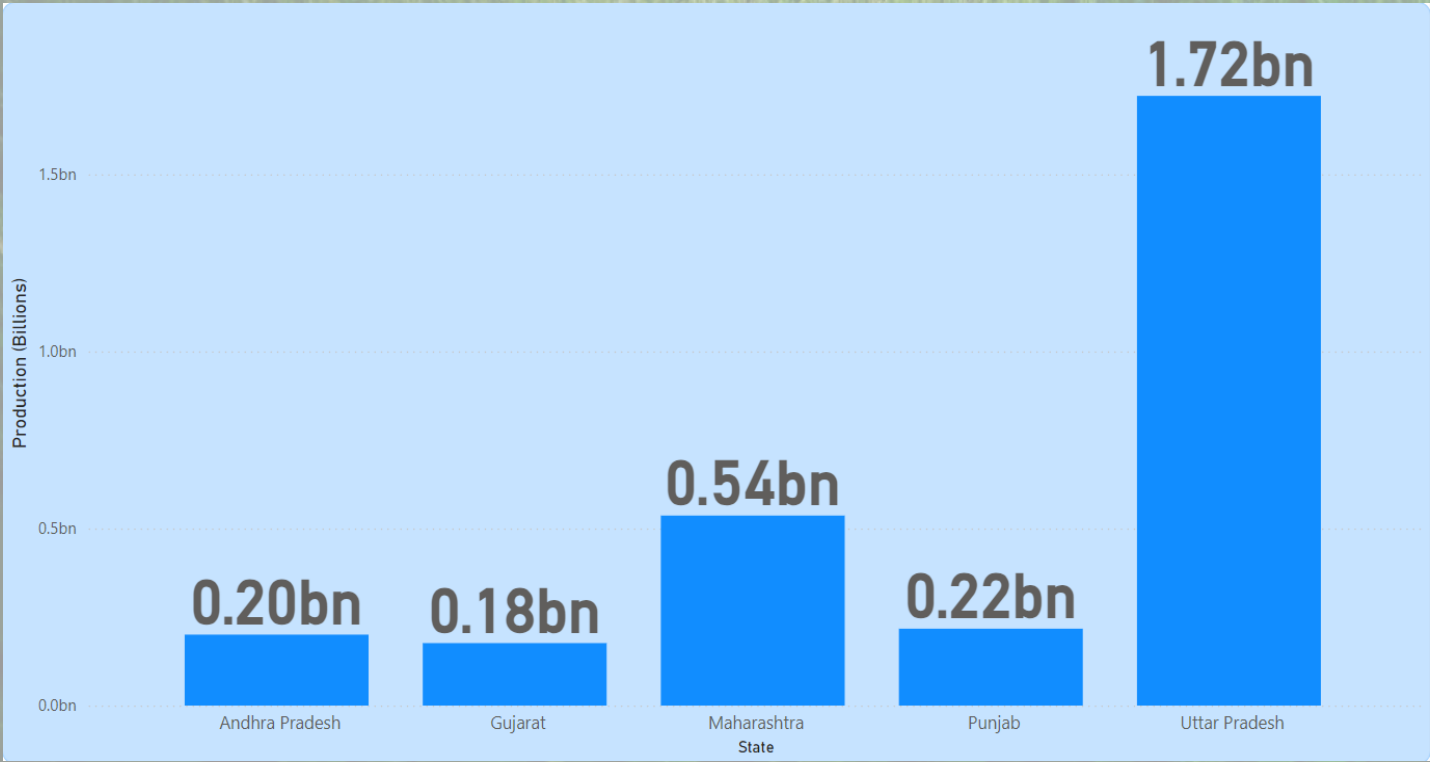
- Kerala State is highest in Production followed by Andhra Pradesh, Tamil Nadu, Uttar Pradesh, Assam.
- Coconut is leading crop in these 5 states followed by Rice, Paddy, Sugarcane, Jute



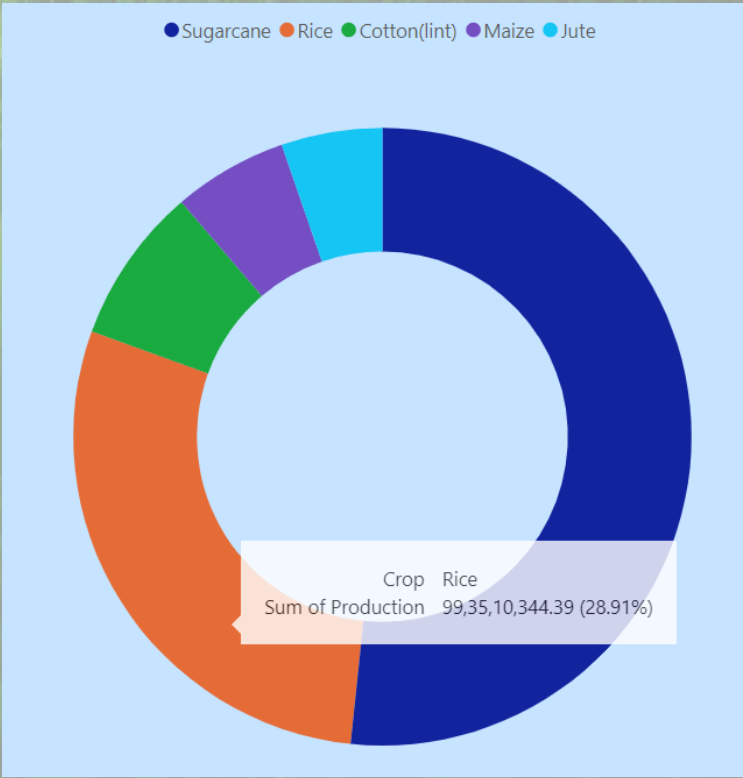


# Top 5 States and Crops in Production in Monsoon

States



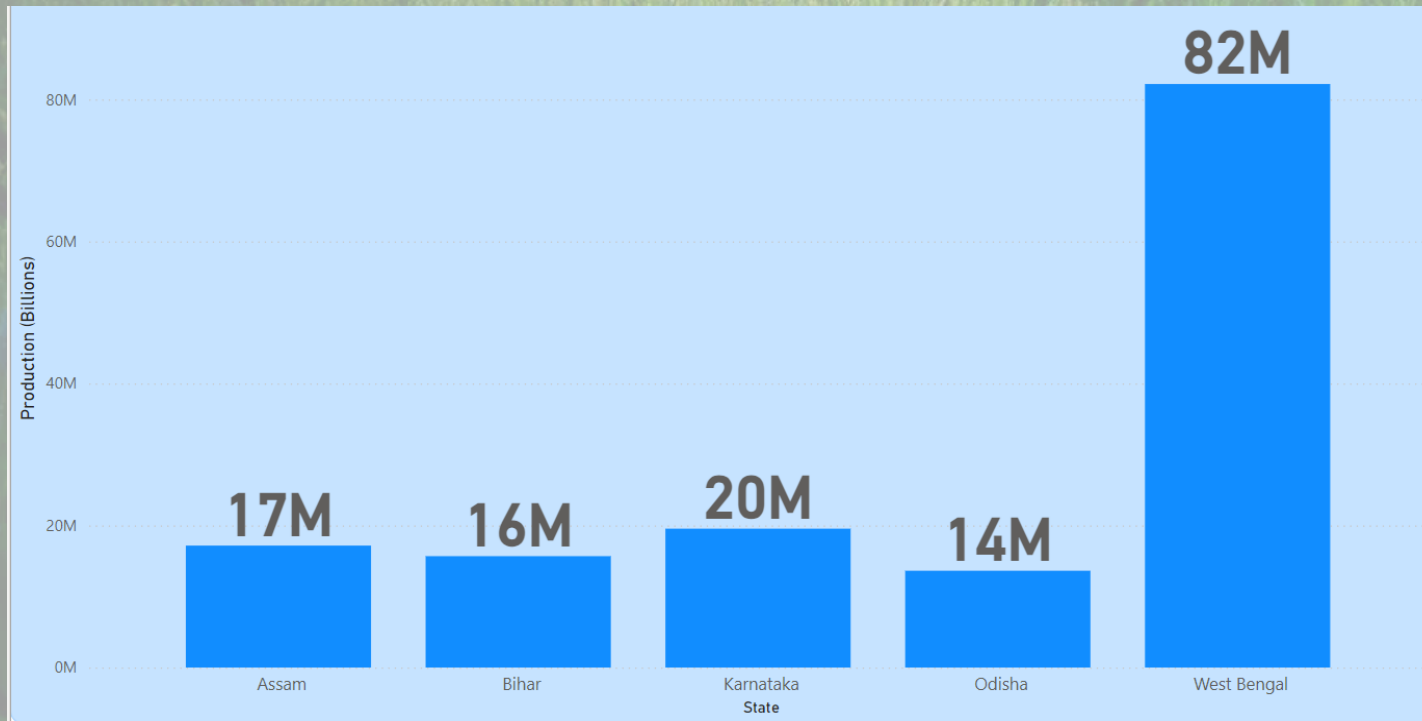
Crops



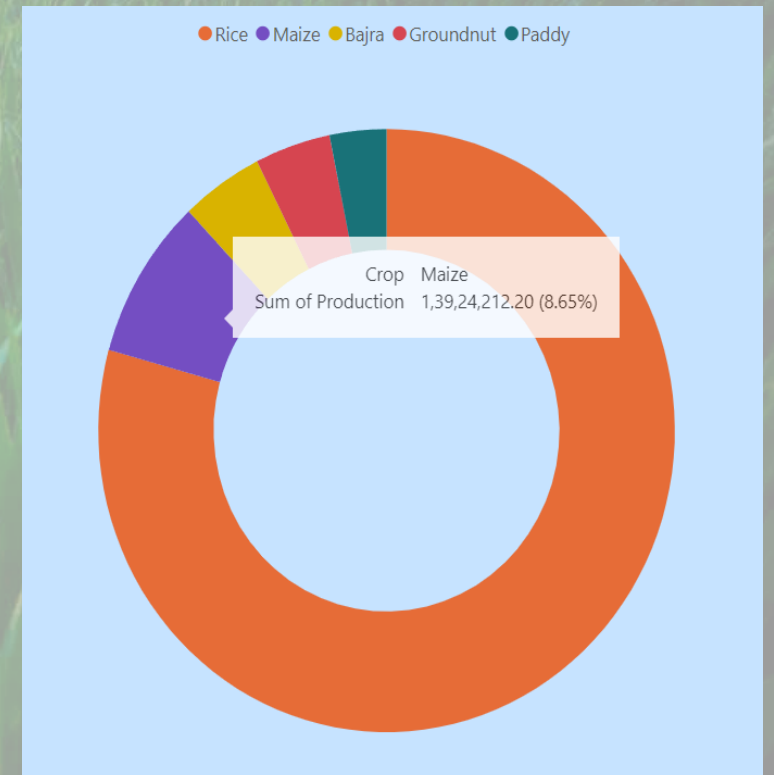


# Top 5 States and Crops in Production in Summer

## States

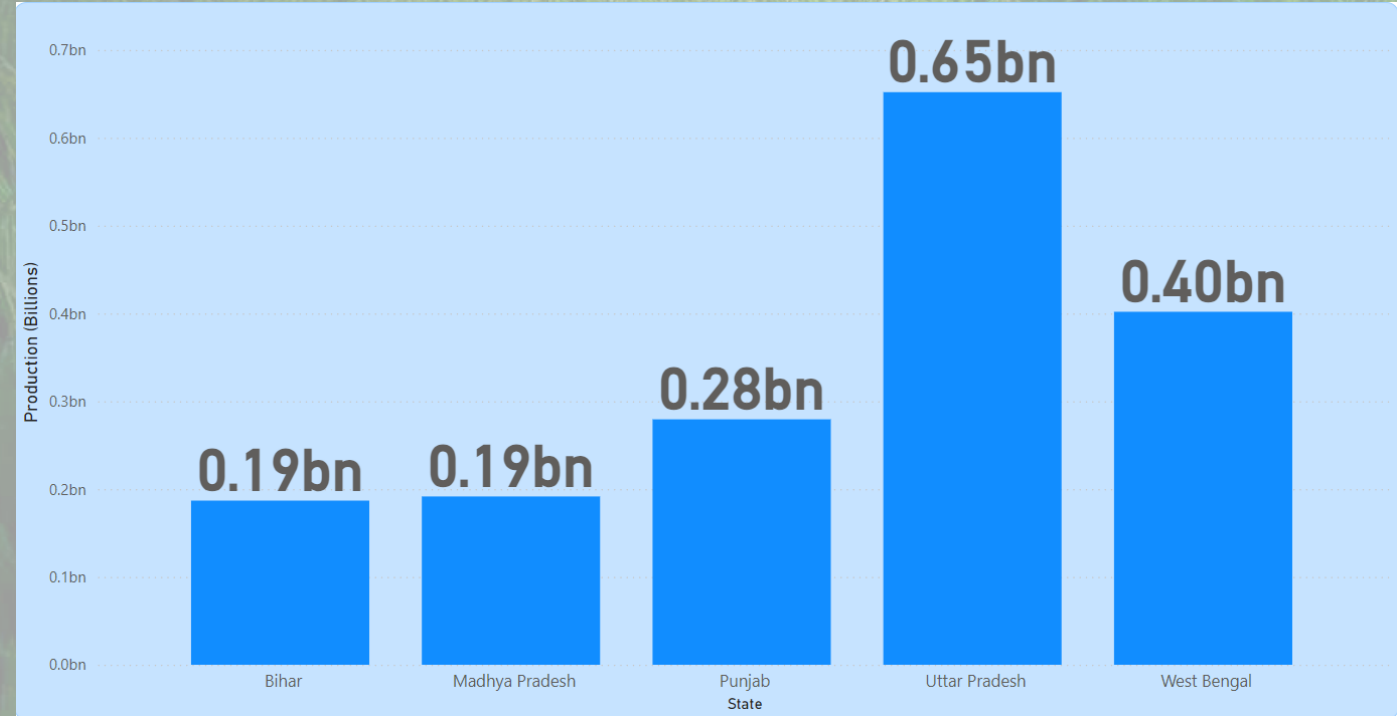


## Crops

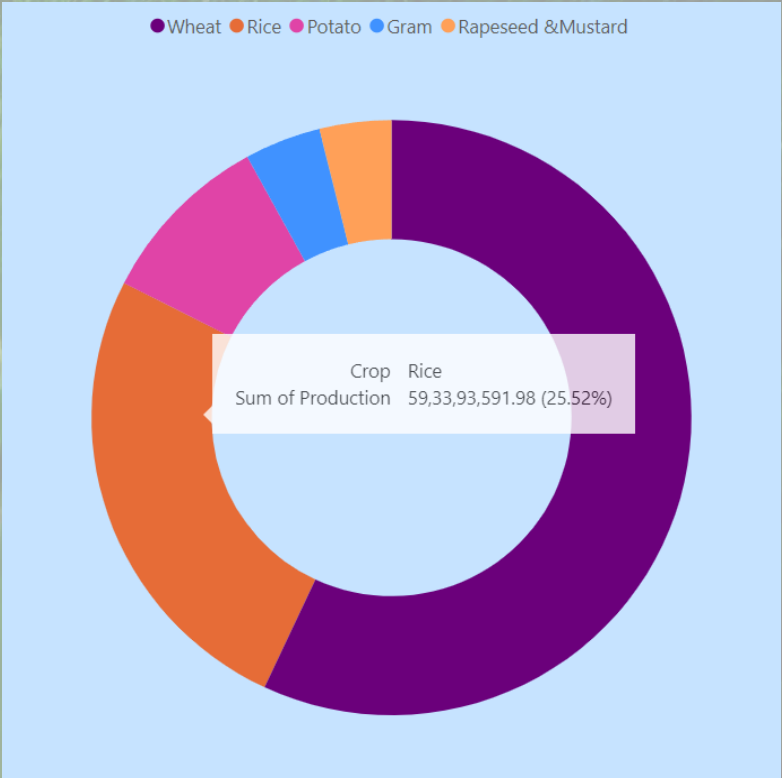


# Top 5 States and Crops in Production in Winter

States



Crops





# Conclusion

- **Coconut** is the leading producer in India.
- **Kerala** is the leading Producer for **Coconut**.
- **Sugarcane** is the major crop in monsoon leading by **Uttar Pradesh**.
- **Rice** is the major crop in Summer leading by **West Bengal**.
- **Wheat** is the major crop in Winter leading by **Uttar Pradesh**.
- Production in the year **2015** is significantly low than other years.
- Power BI Link : [https://app.powerbi.com/groups/me/reports/8bf8a73b-970f-461f-ad10-49e0b443b9f4?ctid=209a70f5-a678-4831-9798-ea1ea04aa9b8&pbi\\_source=linkShare](https://app.powerbi.com/groups/me/reports/8bf8a73b-970f-461f-ad10-49e0b443b9f4?ctid=209a70f5-a678-4831-9798-ea1ea04aa9b8&pbi_source=linkShare)