

NEXT GEN EMPLOYABILITY PROGRAM

CREATING A FUTURE-READY WORKFORCE

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CAPSTONE PROJECT SHOWCASE

Project Title

Power BI Driven Exhaustive Analysis of the Indian Agriculture Sector

Abstract | Problem Statement | Project Overview | Proposed Solution |
Technology Used | Modelling & Results | Conclusion | Q&A

Abstract

- 1 Identify areas of strength and weakness within the Indian agricultural sector.
- 2 Formulate data-driven recommendations for policymakers and stakeholders to address critical challenges.
- 3 Gain a deeper understanding of the factors influencing agricultural productivity and profitability.
- 4 Focus on Sustainability

Problem Statement:

The Indian agricultural sector, despite its significant contribution to the nation's economy and employment, faces numerous challenges that hinder its growth and productivity. These challenges include:

- Limited visibility into critical data.
- Inefficiencies in resource utilization.
- Volatility in market prices.



Project Overview

Power BI as the Analytical Engine: At the core of this project lies Microsoft Power BI, a powerful business intelligence tool.

Interactive Dashboards for Clear Communication: The insights gleaned from Power BI analysis will be translated into clear and concise visualizations through the creation of interactive dashboards.



Proposed Solution:

Challenge: The Indian agricultural sector suffers from limited visibility into critical data, hindering informed decision-making and hindering its full potential.

Solution: This project proposes a comprehensive analysis of the Indian agricultural sector using Microsoft Power BI. Power BI is a powerful business intelligence tool that offers exceptional data consolidation, transformation, and visualization capabilities.

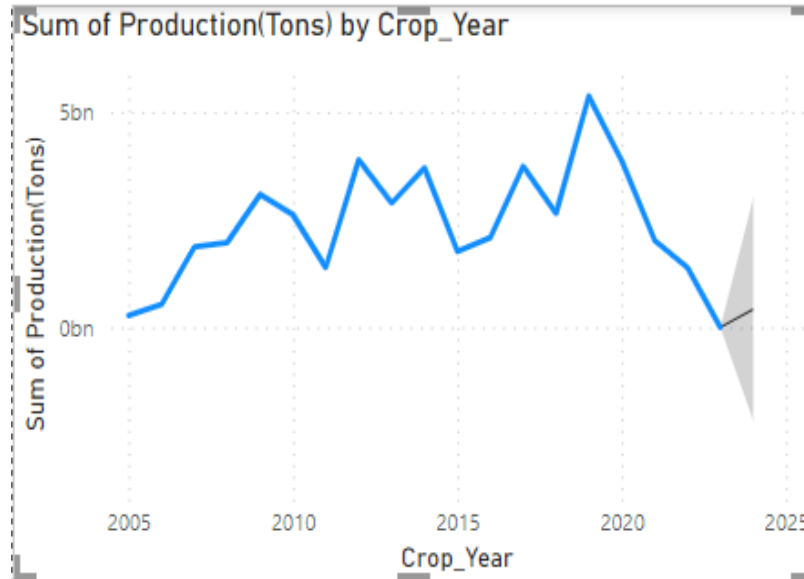
Key Steps:

- Data Consolidation and Cleaning.
- Advanced Data Analysis.
- Interactive Dashboards.

Technology used:

- Power BI

Modelling & Result:

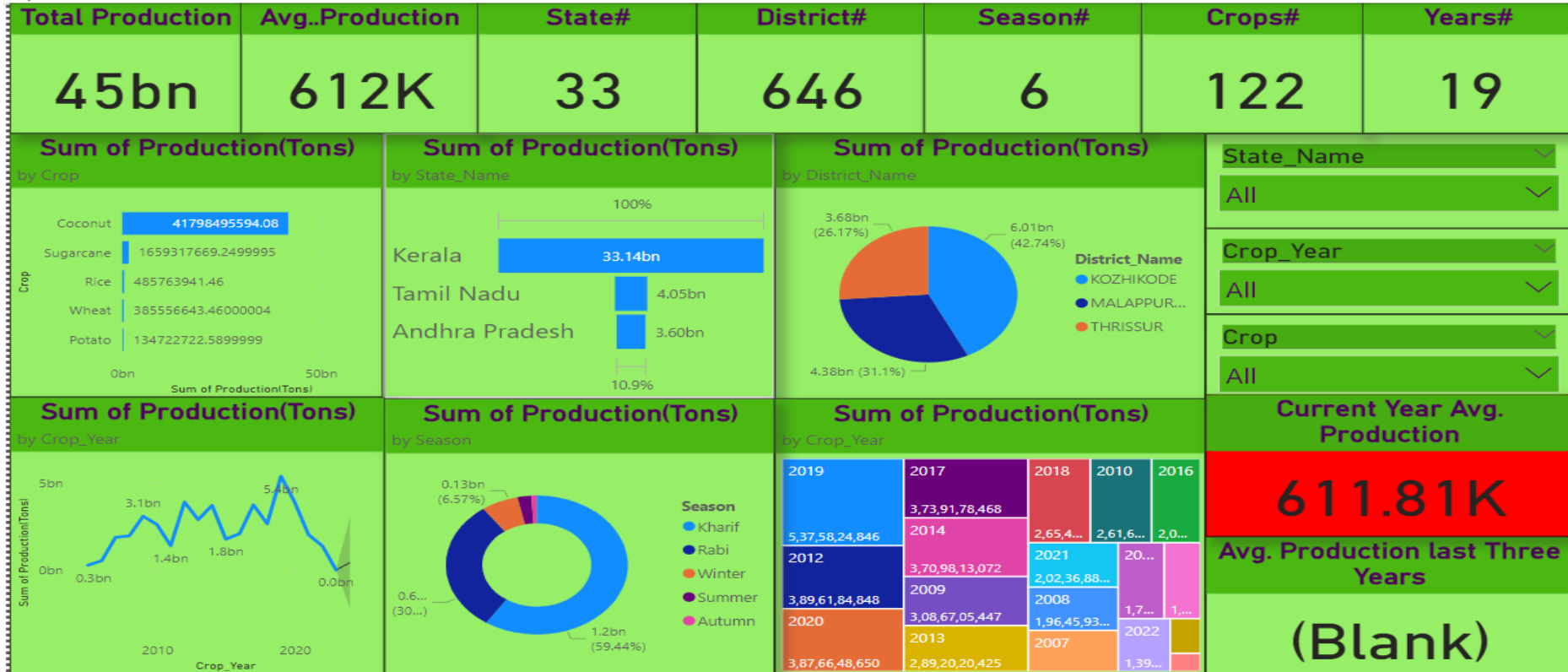


Modelling & Result:

Total Production
45bn

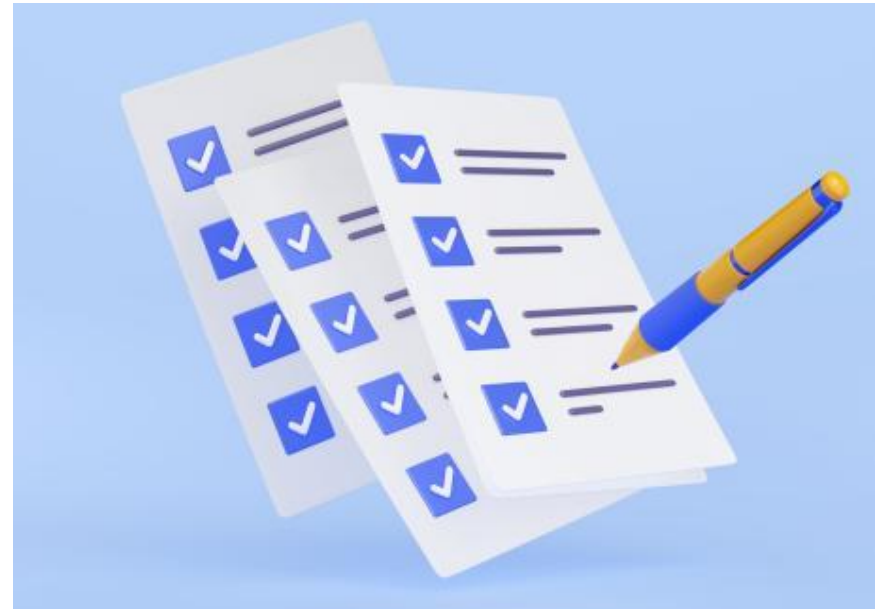
Current Year Avg.
Production
611.81K

Modelling & Result:



Conclusion:

This Power BI driven analysis provided a comprehensive view of Indian agriculture. We identified strengths and weaknesses. Interactive dashboards with clear visualizations offer actionable insights for policymakers and stakeholders. By understanding factors influencing productivity and profitability, we can work towards a more sustainable and prosperous agricultural future for India.





Thank you!

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