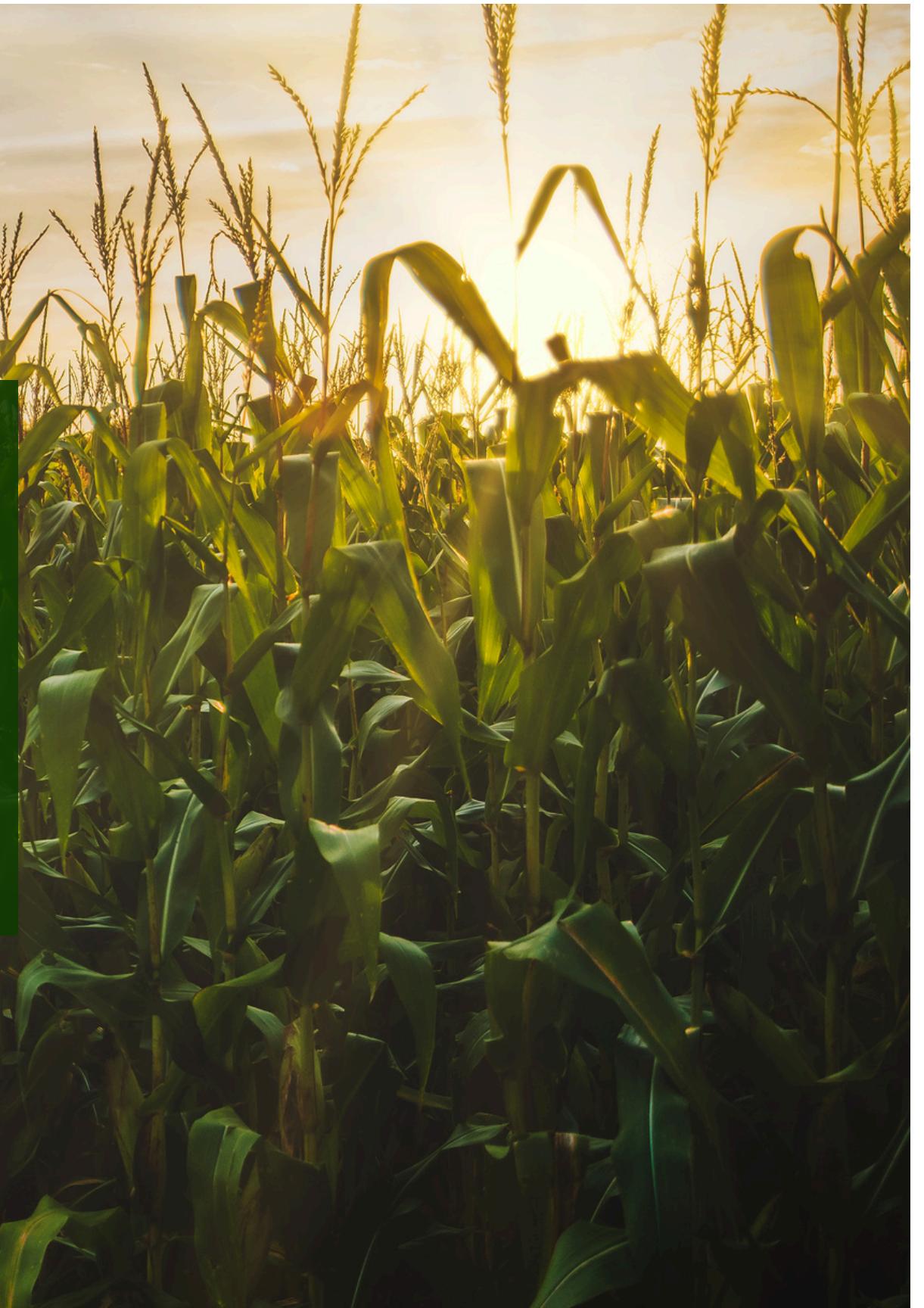


CROP PRODUCTION ANALYSIS

UNIFIED MENTOR INTENSHIP

~KARISHMA MURKAR





INTRODUCTION

The goal of this analysis is to predict crop production in India using historical data spanning multiple years. By examining key factors, we aim to uncover important insights and identify metrics that significantly impact crop yields. This analysis will help farmers, policymakers, and agricultural stakeholders make informed decisions, optimize farming practices, and improve crop production efficiency to ensure food security and sustainable agriculture in India.

DETAILS OF THE DATA SET

01

Comprehensive Crop Production Data:

The dataset includes crop production information collected from various states and regions across India, covering multiple seasons and crop types.

02

Insights for Informed Decisions:

The detailed data allows for the identification of trends, regional differences, and factors influencing crop yields, providing valuable insights for optimizing agricultural practices and improving crop production strategies.





DETAILS OF THE DATA SET

Initial Rows and Columns of the Dataset

The dataset includes the following key columns:

- **State_Name:** The state in which the crop is produced.
- **District_Name:** The specific district within the state.
- **Crop_Year:** The year in which the crop was harvested.
- **Season:** The agricultural season (e.g., Kharif, Rabi).
- **Crop:** The type of crop grown (e.g., wheat, rice).
- **Area:** The area dedicated to the crop.
- **Production:** The total production of the crop.

CROP PRODUCTION ANALYSIS

CROP YEAR

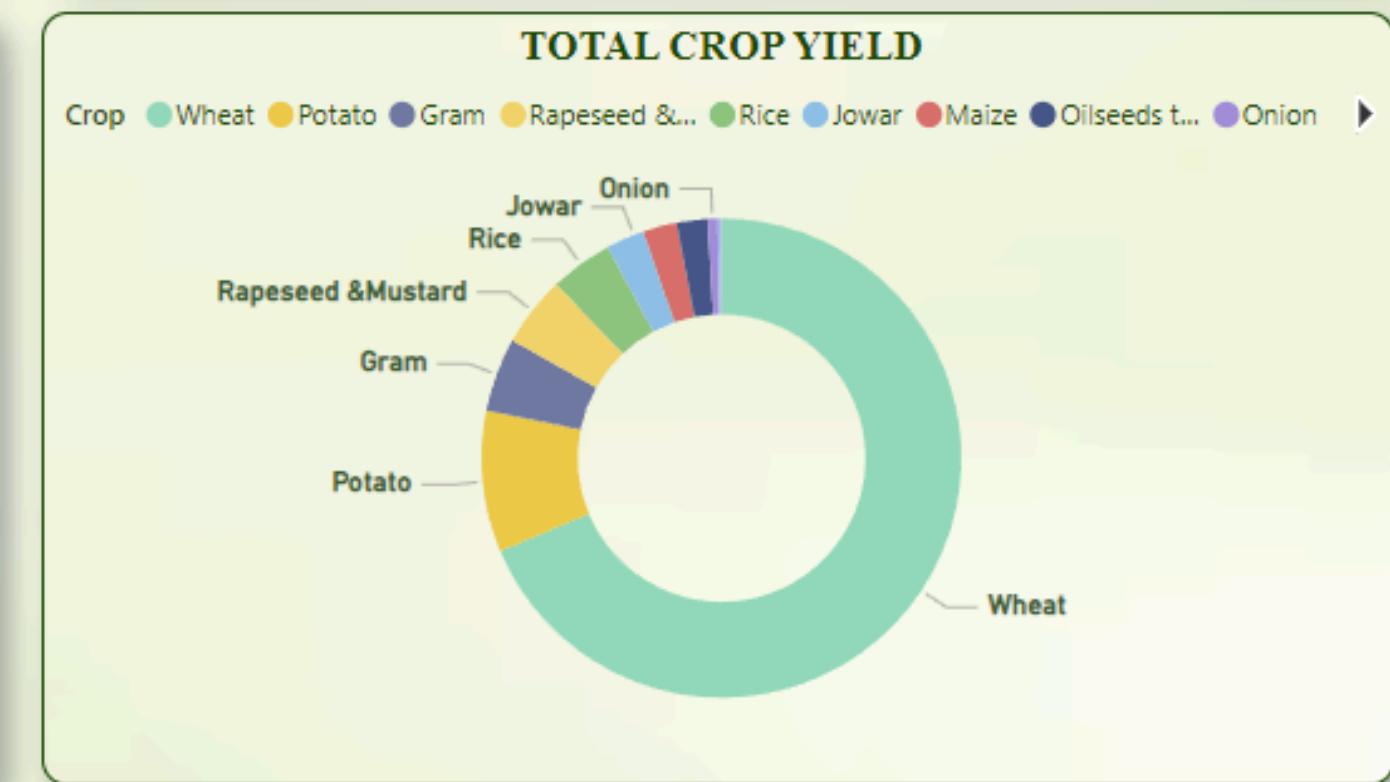
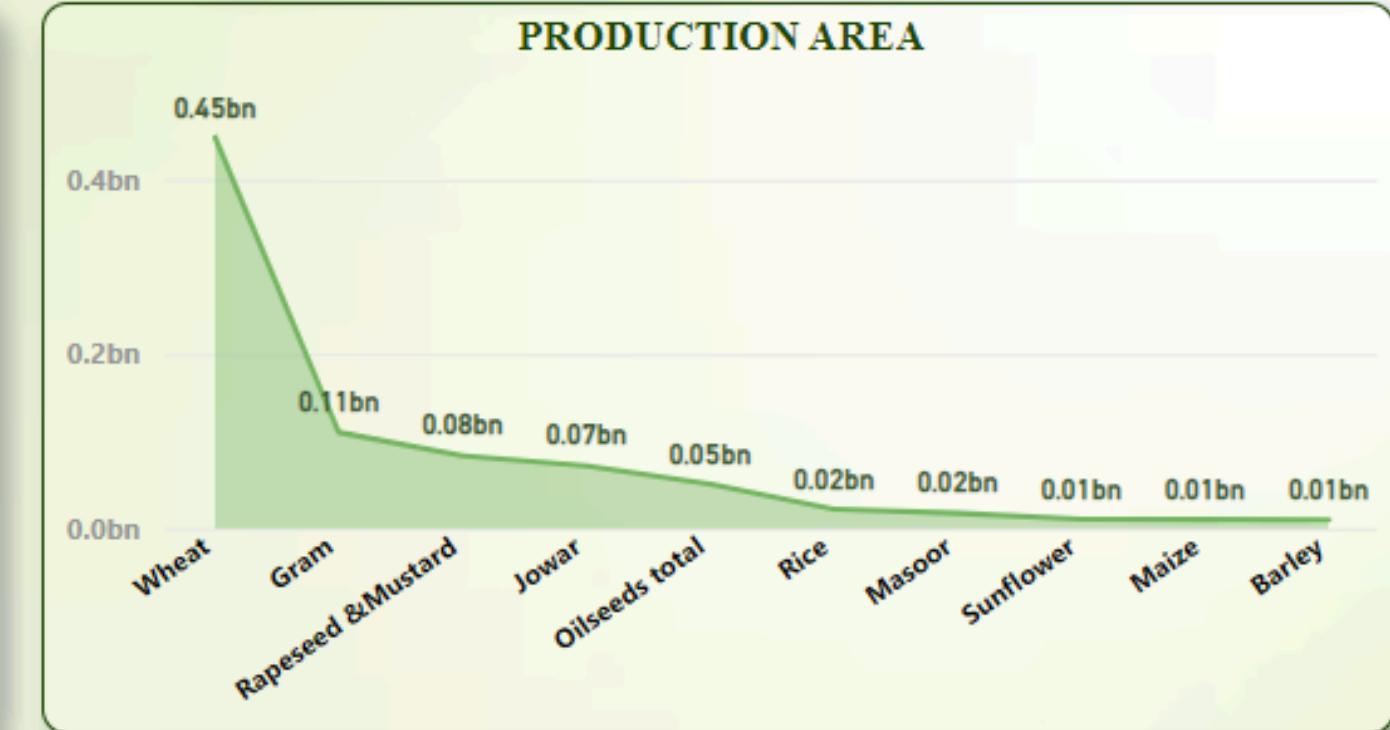
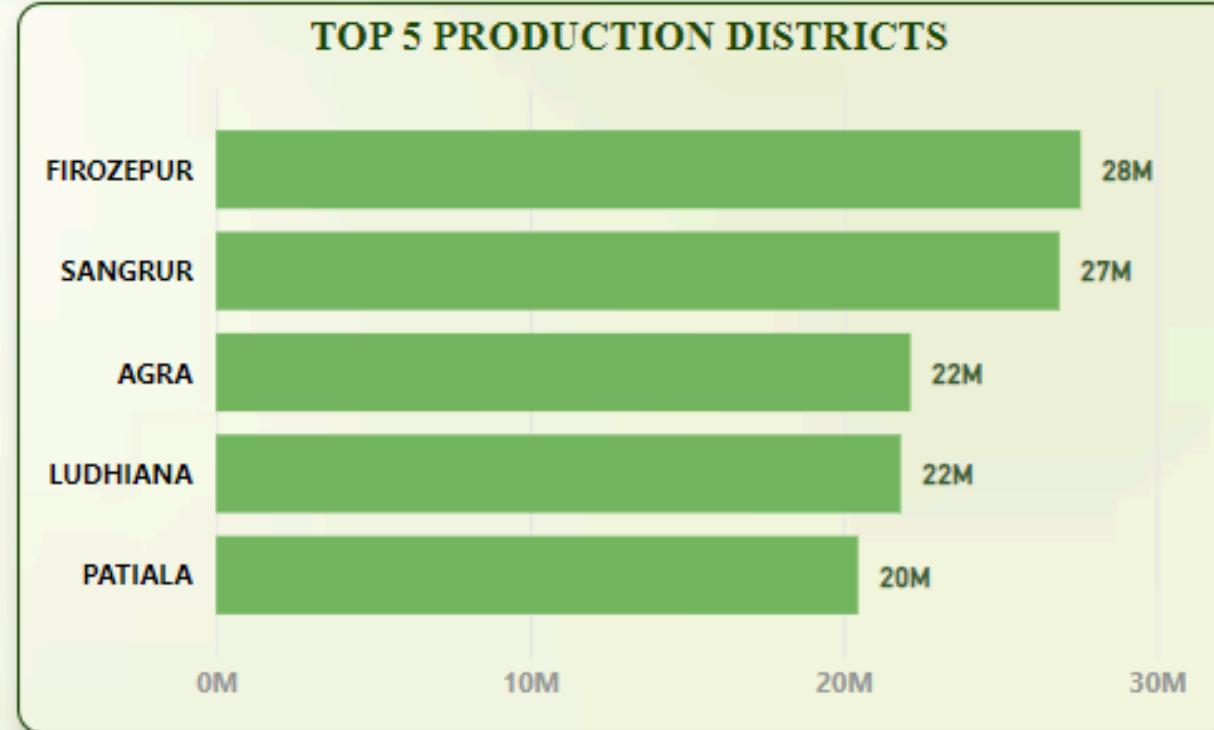
1997 2013

STATE NAME

- Andaman and Nicobar Islands
- Andhra Pradesh
- Arunachal Pradesh
- Assam
- Bihar
- Chandigarh
- Chhattisgarh
- Dadra and Nagar Haveli
- Goa
- Gujarat

SEASON

Autumn Kharif Rabi Summer Whole Year



CROP PRODUCTION ANALYSIS

GROSS PRODUCTION
1.96bn

TOTAL PRODUCTION AREA
913.33M

CROP YEAR

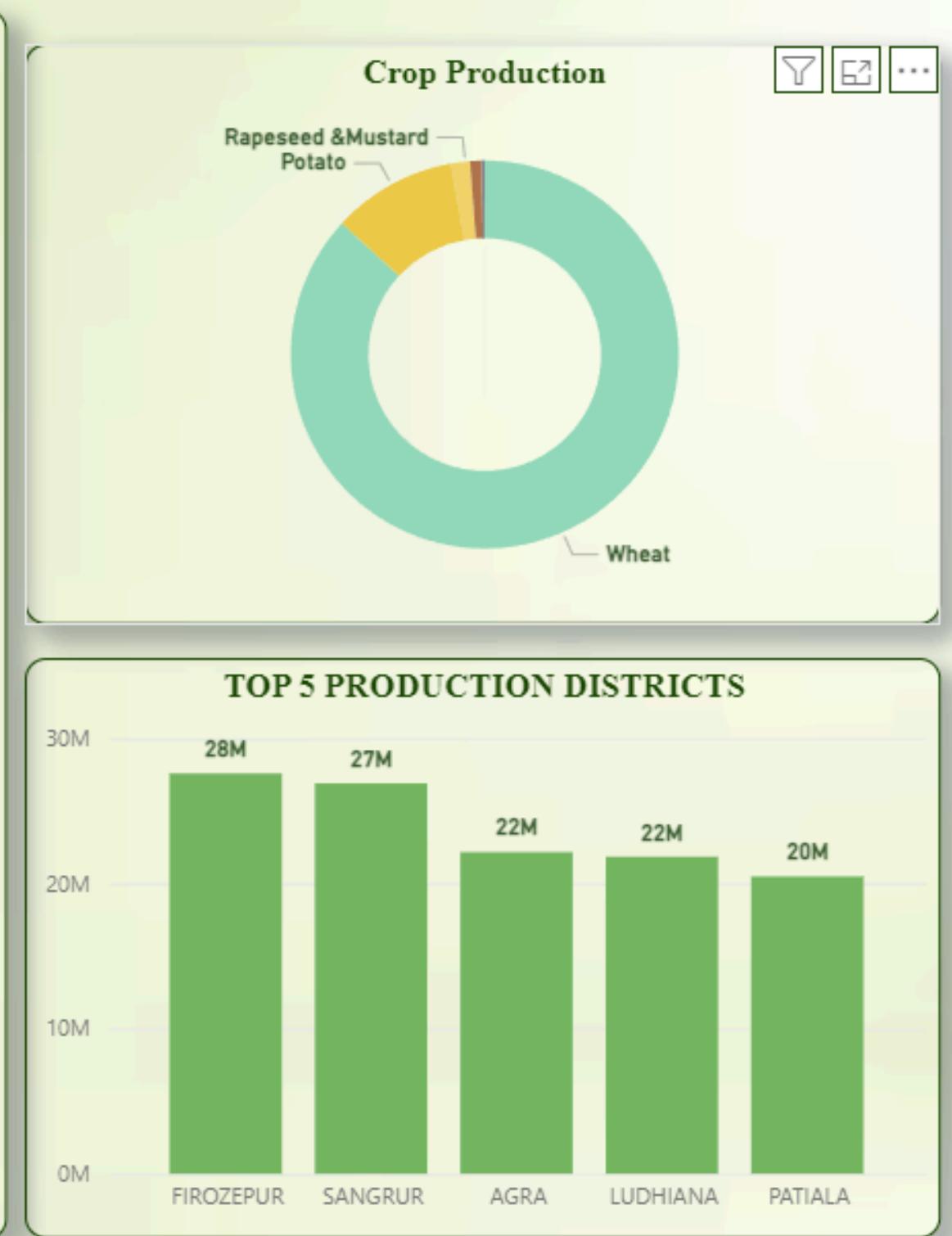
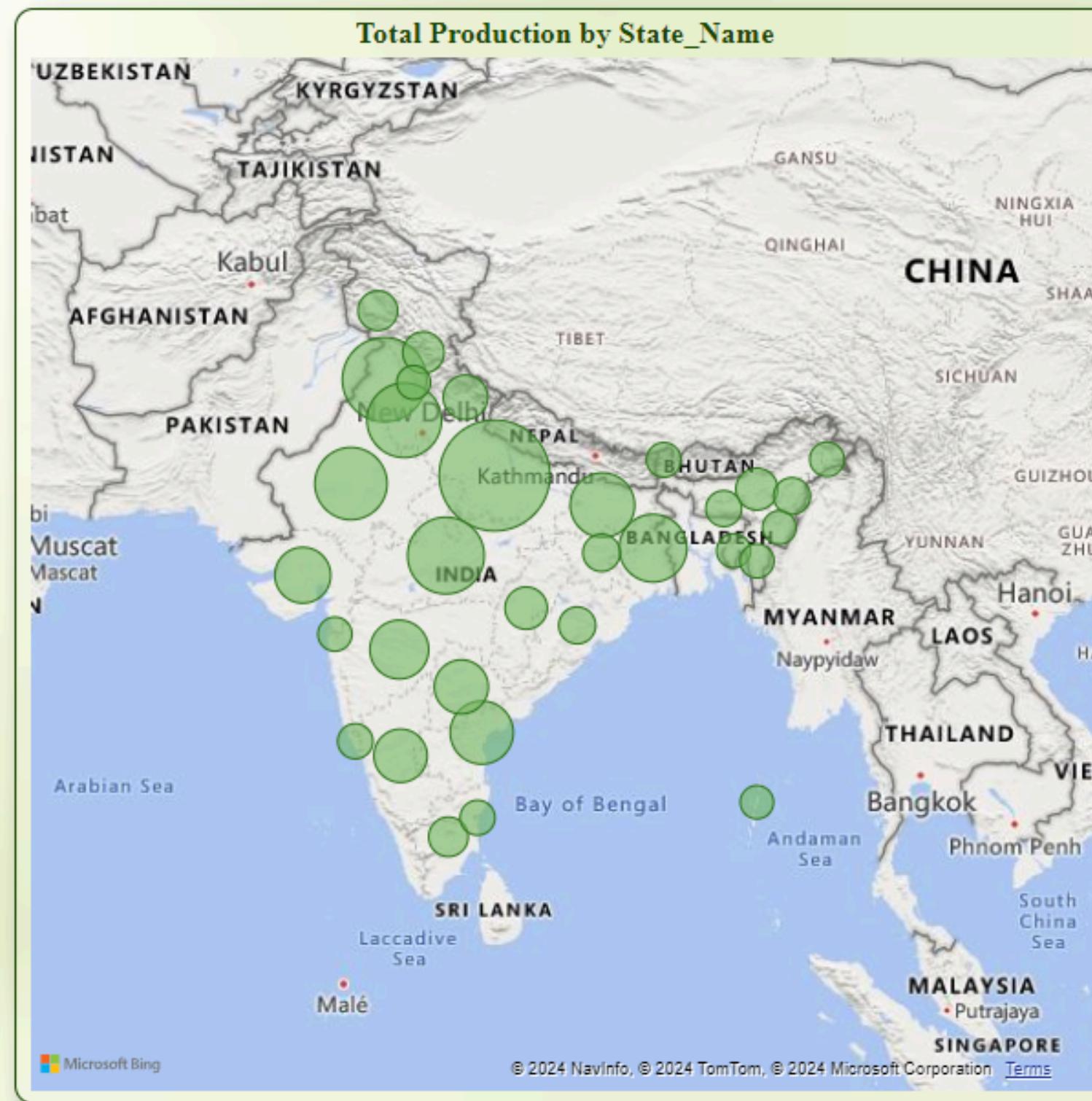
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STATE NAME

- Maryana
- Himachal Pradesh
- Jammu and Kashmir
- Jharkhand
- Karnataka
- Madhya Pradesh
- Maharashtra
- Manipur
- Meghalaya
- Mizoram
- Nagaland

SEASON

- Autumn
- Kharif
- Rabi
- Summer
- Whole Year



INSIGHTS

- **Regional Variations**

Differences in sales and profit across regions.

- **Top-Performing Countries:**

Insights into individual product performance.

- **Product-Level Analysis:**

Identification of high-profit countries.

- **Tailor Marketing Strategies:**

Adapt marketing to specific regions.

- **Temporal Analysis:**

Data can be analyzed by crop year and season.

- **Target High-Yielding Regions:**

Focus on top-producing districts and regions.



