

INDIA'S AGRICULTURAL CROP PRODUCTION ANALYSIS (1997-2021).....

INTRODUCTION:

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.

EXPLORATORY DATA ANALYSIS:

Let us get into the details with exploration of data to answer various questions. Let us place those general questions we want to get an answer from the data. Let us get some basic details like crops which are their in our records, states and districts we have in our records, etc.,.

DEALING WITH VARIOUS UNITS OF PRODUCTION:

We can observe a column named production units which is a measurement of crop production. We need to standardize the units to one specific unit to do proper measurement . We can now drop production and production units as all our units are in Tonnes and New Production represents the standard production.

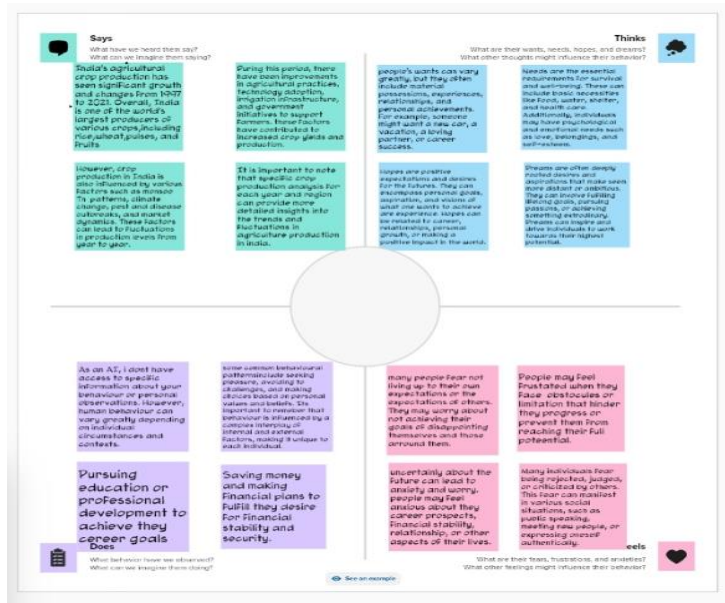
A - agricultural

L - land

W — Wise Production...

DATA VISUALIZATION AND PRODUCTION CHART:

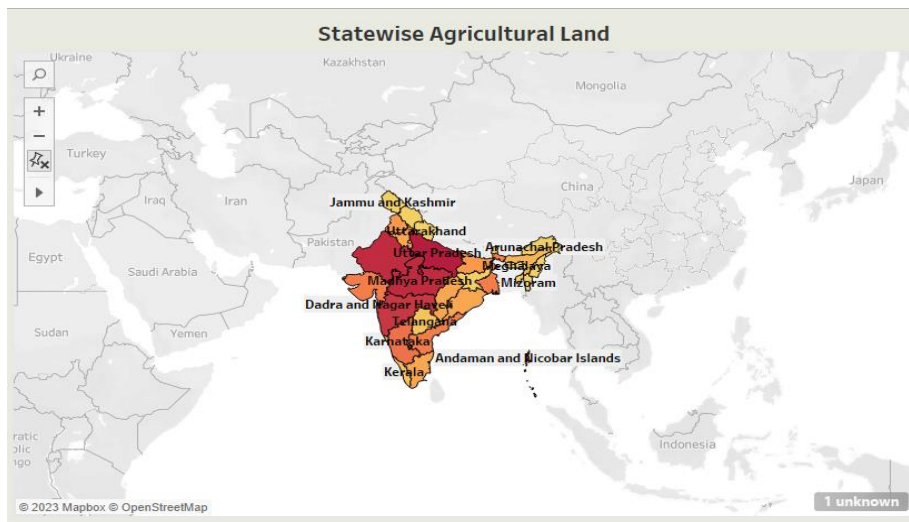
EMPATHY MAP:



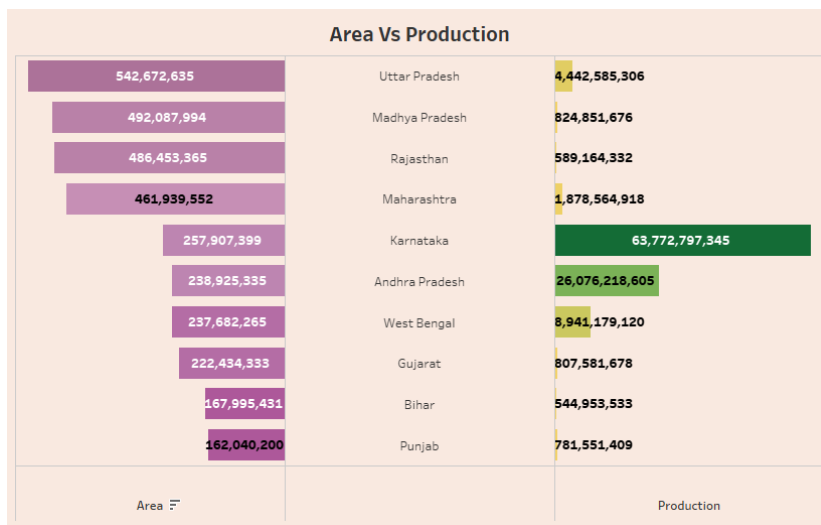
BRAIN STORMING:



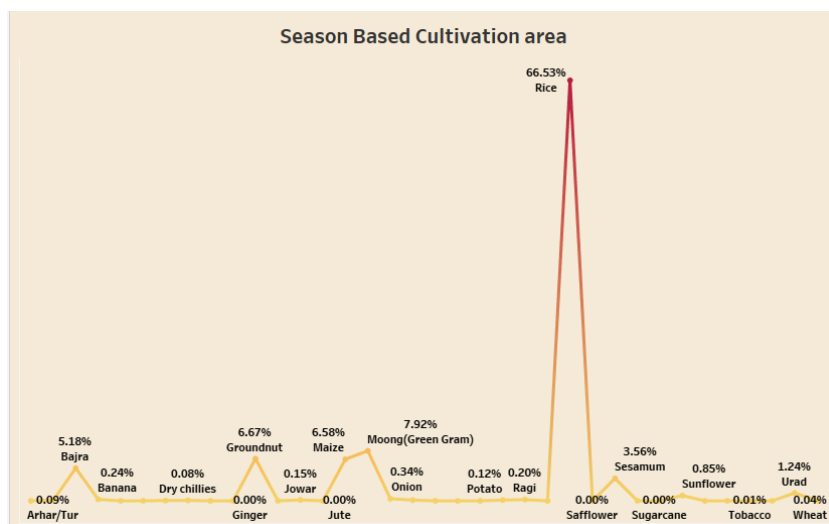
1.Statewise Agricultural Land:



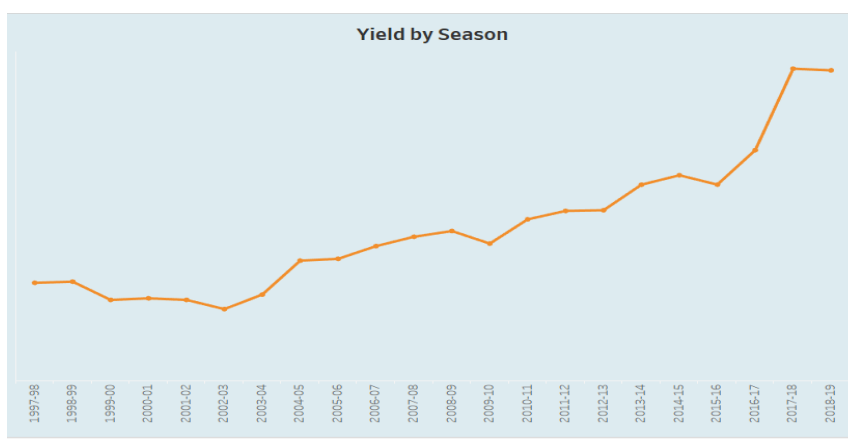
2.Area Vs Production:



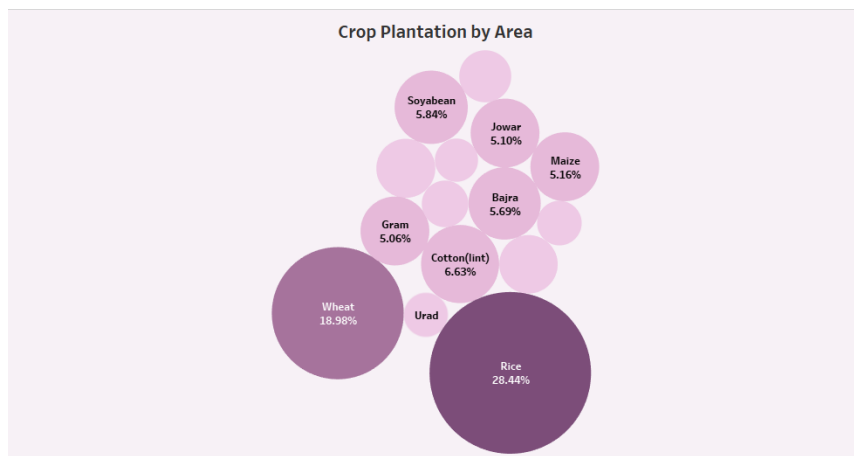
3.Season Based Cultivation Area:



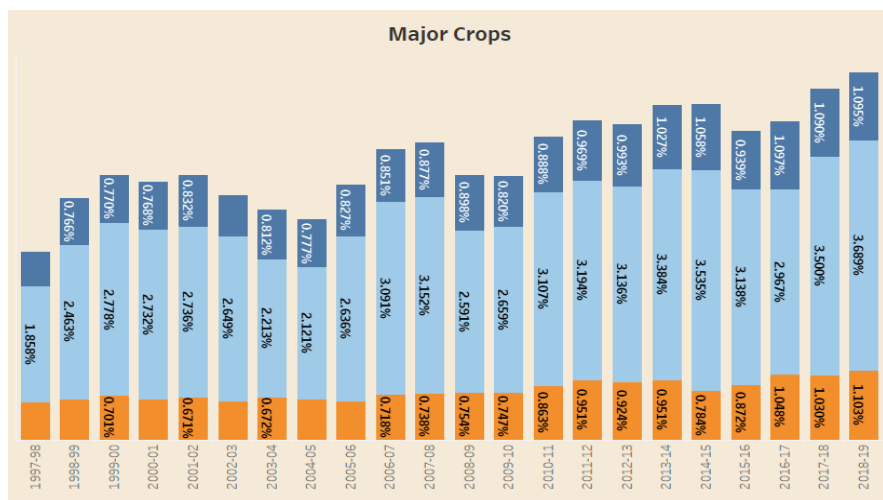
4.Yield by Season:



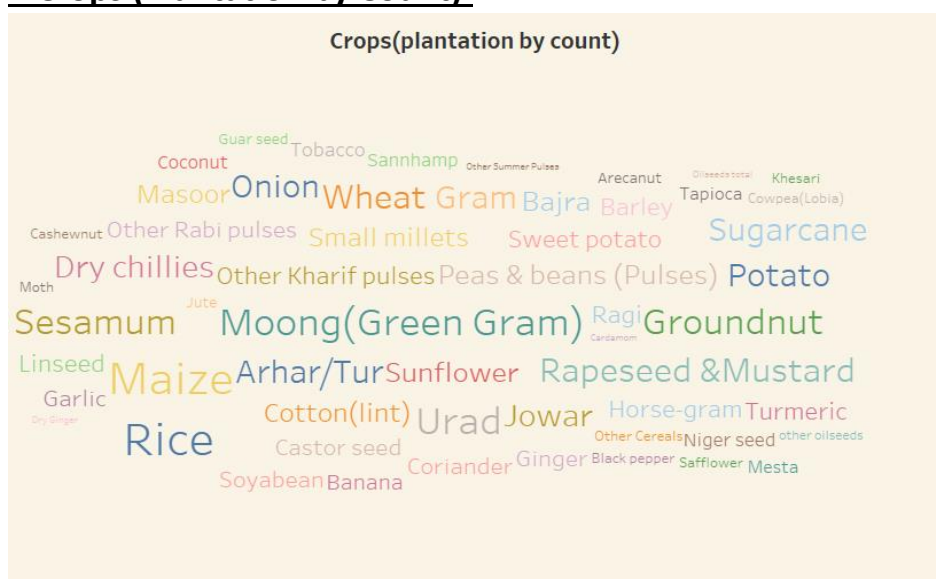
5.Crop Plantation by Area:



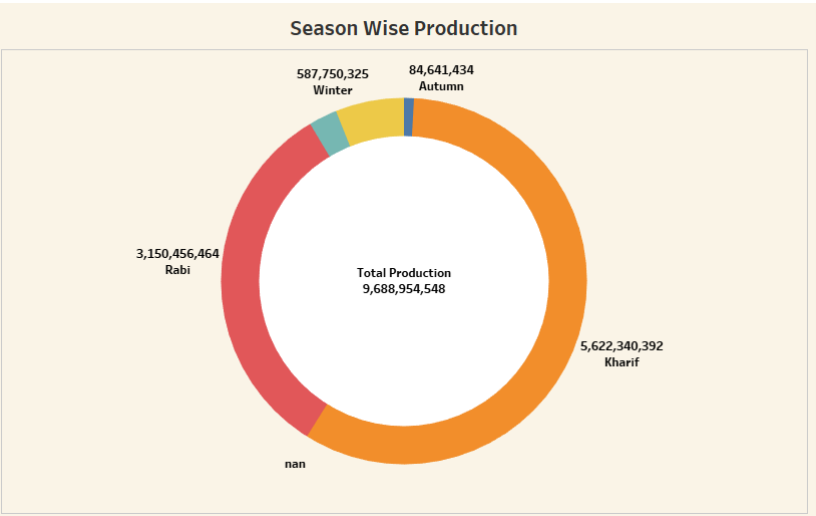
6. Major Crops:



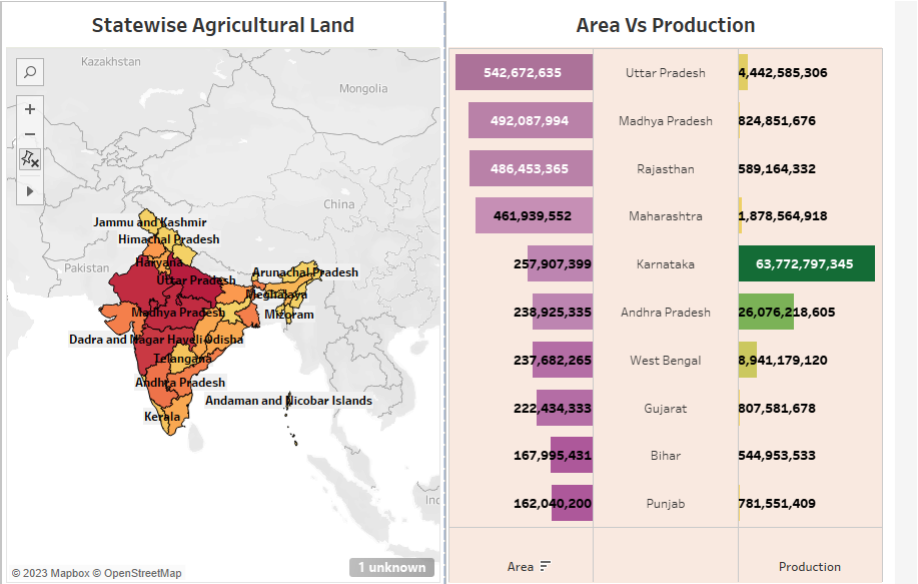
7.Crops (Plantation by Count):



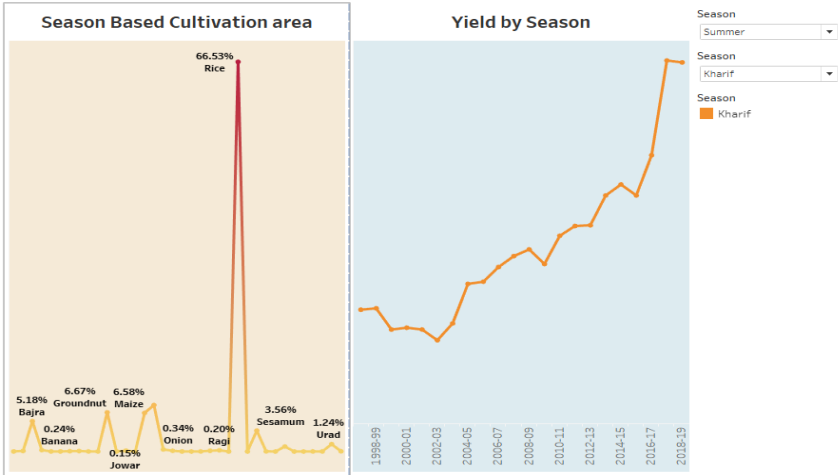
8.Season Wise Production:



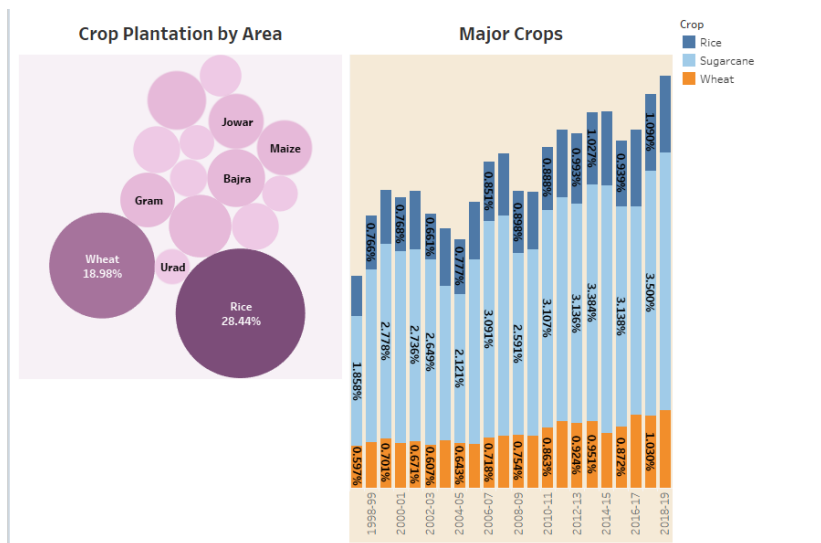
i) Dashboard – 1



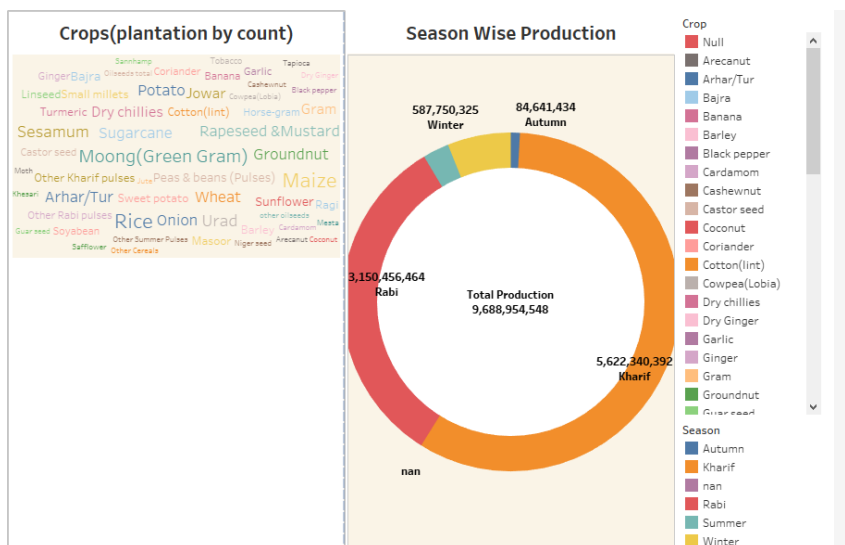
ii) Dashboard – 2



iii) Dashboard – 3

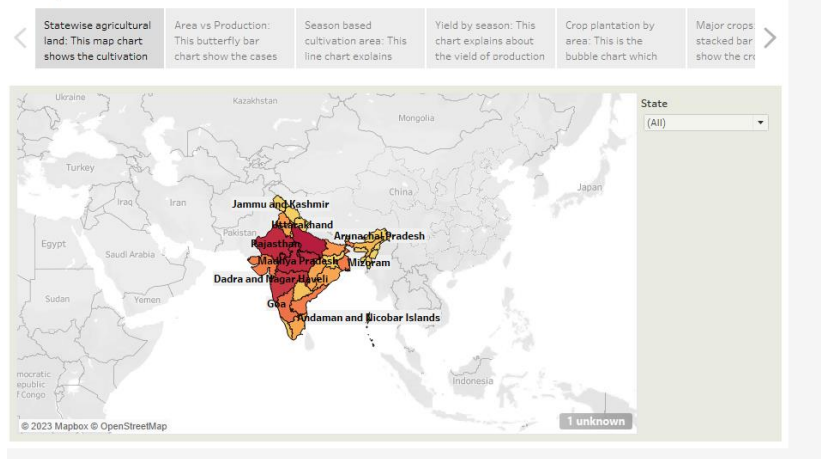


iv) Dashboard – 4



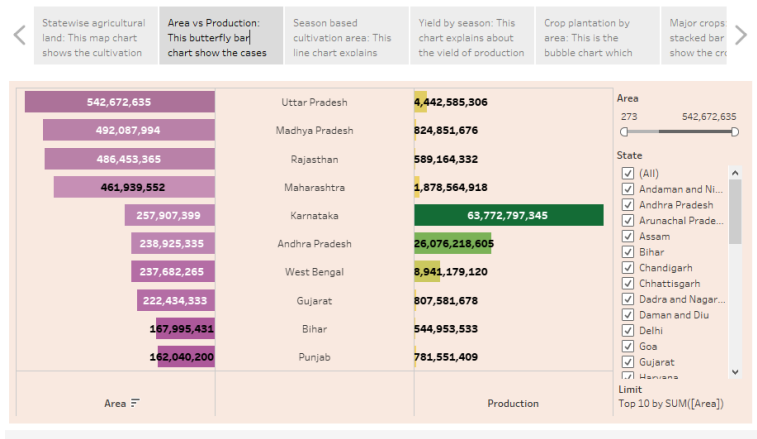
a) story 1

Story 1



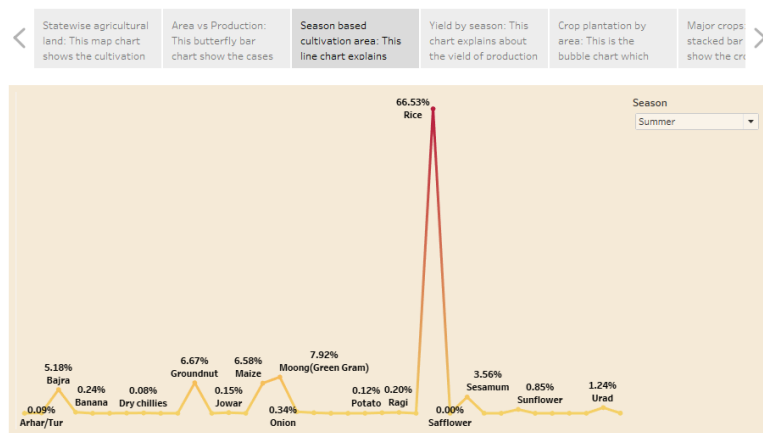
b) Story 2

Story 1



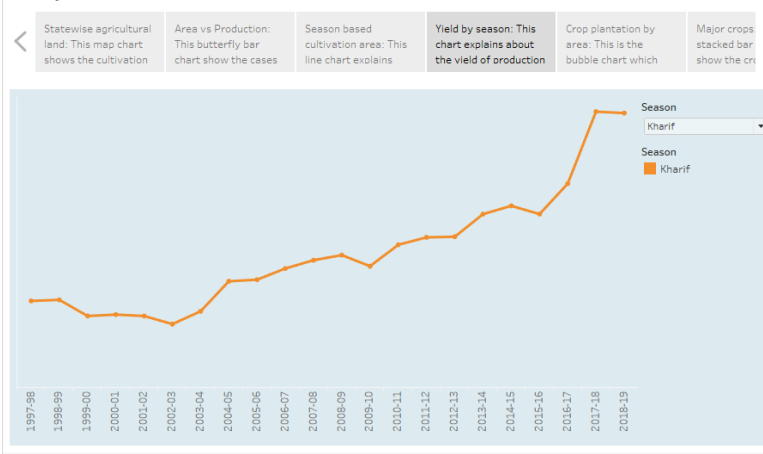
c) Story 3

Story 1



d) Story 4

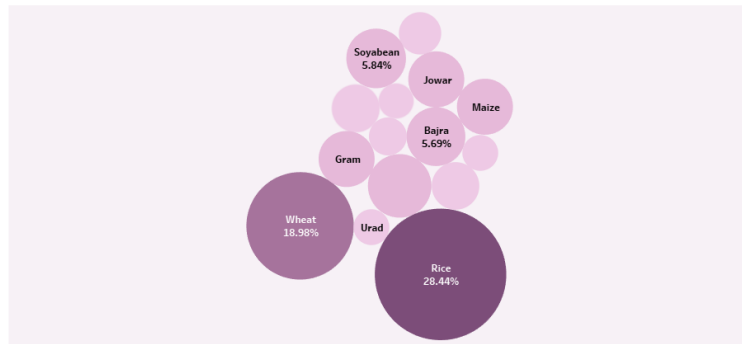
Story 1



e) Story 5

Story 1

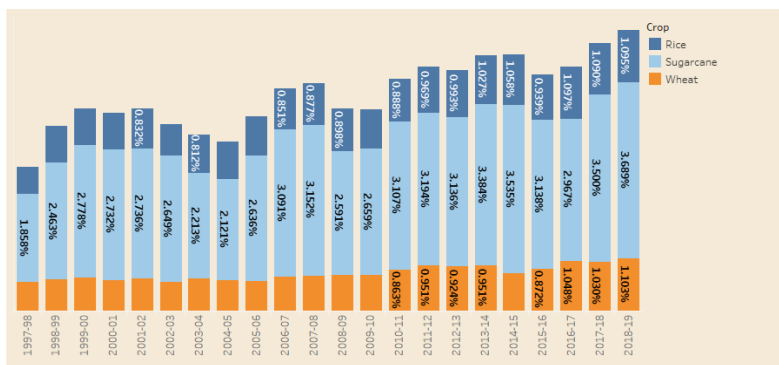
< Statewise agricultural land: This map chart shows the cultivation Area vs Production: This butterfly bar chart show the cases Season based: This line chart explains Yield by season: This chart explains about the yield of production Crop plantation by area: This is the bubble chart which Major crops: This stacked bar chart show the cro >



d) Story 6

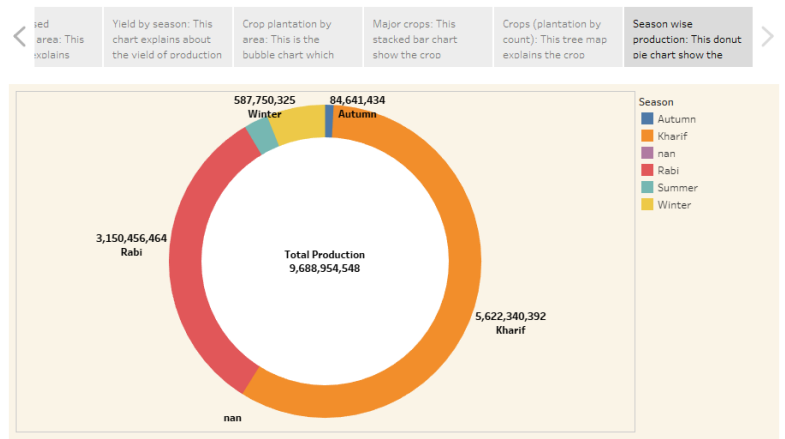
Story 1

< Yield by season: This chart explains about the yield of production Crop plantation by area: This is the bubble chart which Major crops: This stacked bar chart show the cro Crops (plantation by count): This tree map explains the cro Season wise production: This donut pie chart show the >



d) Story 8

Story 1



Conclusion:

From the above output we can see that 1997-98 was the year with least production. This is possible due to lack of our capabilities to record the production of crops across india.