

PROJECT REPORT

1. INTRODUCTION

1.1 OVERVIEW:

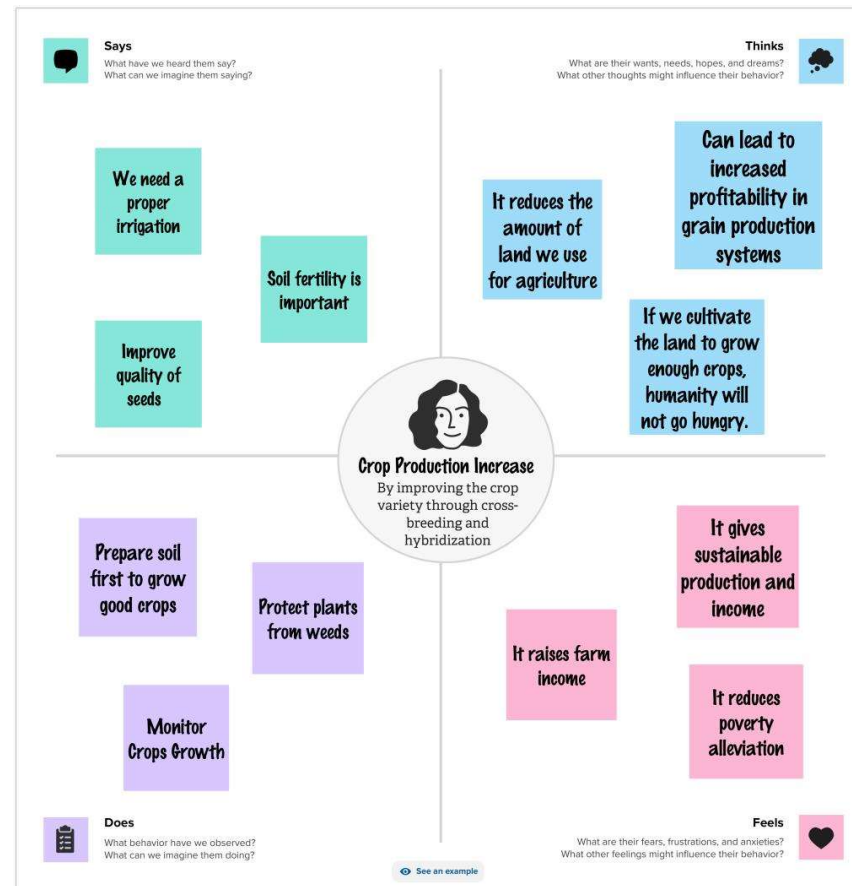
This report delves into the captivating realm of India's agricultural cultivation, providing a comprehensive visual exploration of key aspects and trends in the agricultural sector. Through the visual representations, readers can gain valuable insights into crop production, seasonal variations, regional distribution, and overall production trends. These visualizations enable intuitive analysis, allowing stakeholders to uncover patterns, identify areas of growth or concern, and make data-driven decisions.

1.2 PURPOSE:

By harnessing the power of Tableau, this report not only presents the data in a visually appealing manner but also provides an interactive experience for readers to explore the intricacies of India's agricultural cultivation. To Extract the Insights from the data and put the data in the form of visualizations, Dashboards and Story we employed Tableau tool.

2. Problem Definition and Design Thinking

2.1 EMPATHY MAP



2.2 IDEATION AND BRAINSTROMING MAP

1

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

⌚ 5 minutes

How to increase crop production?

Ways to increase crop production



Key rules of brainstorming

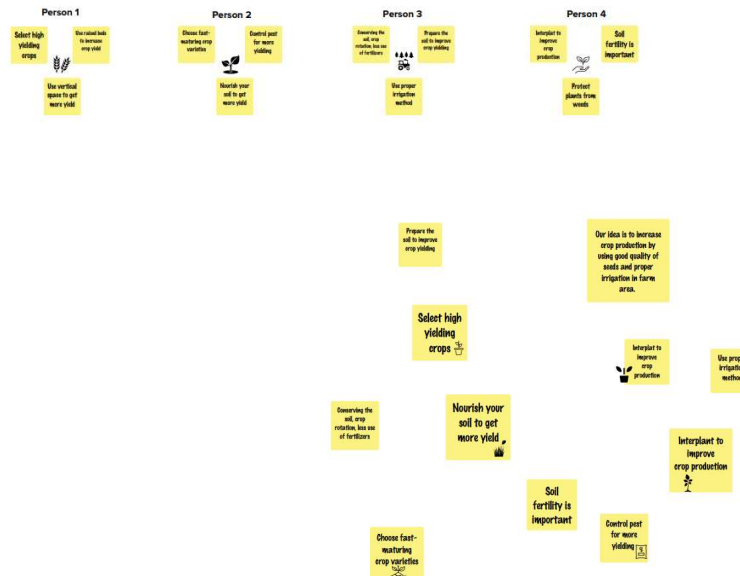
2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

⌚ 10 minutes

TIP
You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!



3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

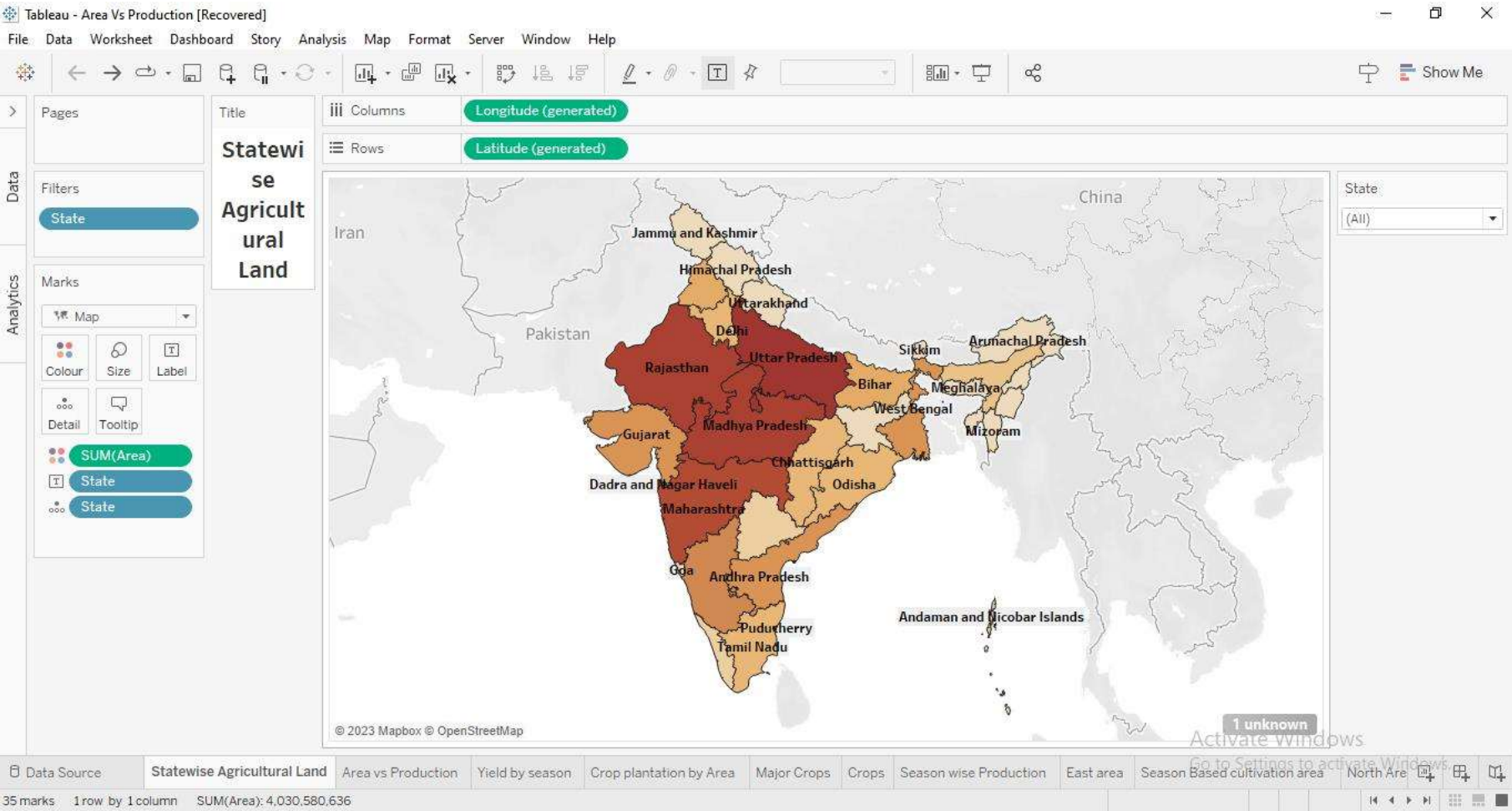
⌚ 20 minutes

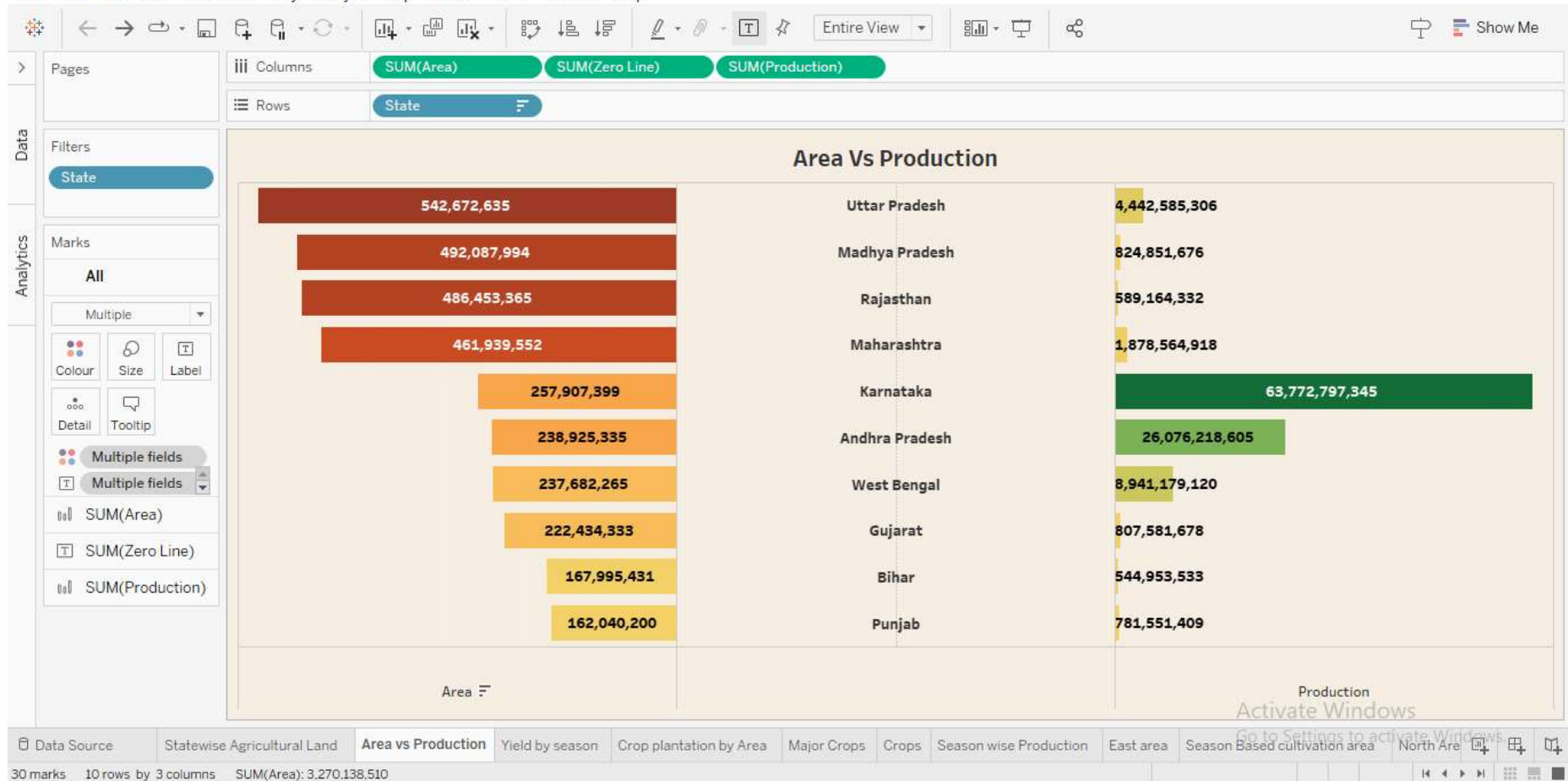
TIP
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

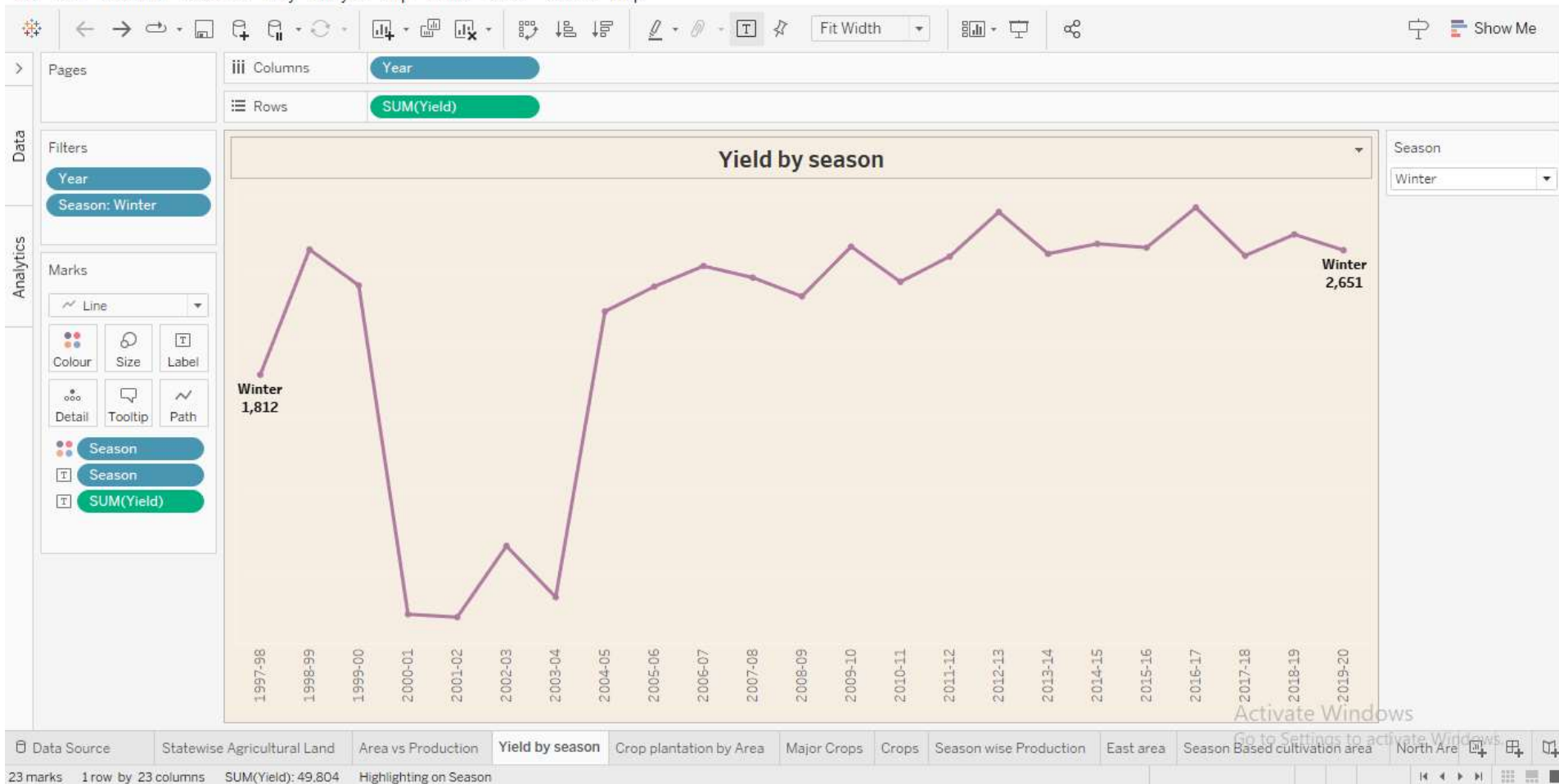
Our idea is to increase crop production by using good quality of seeds and proper irrigation in farm area.

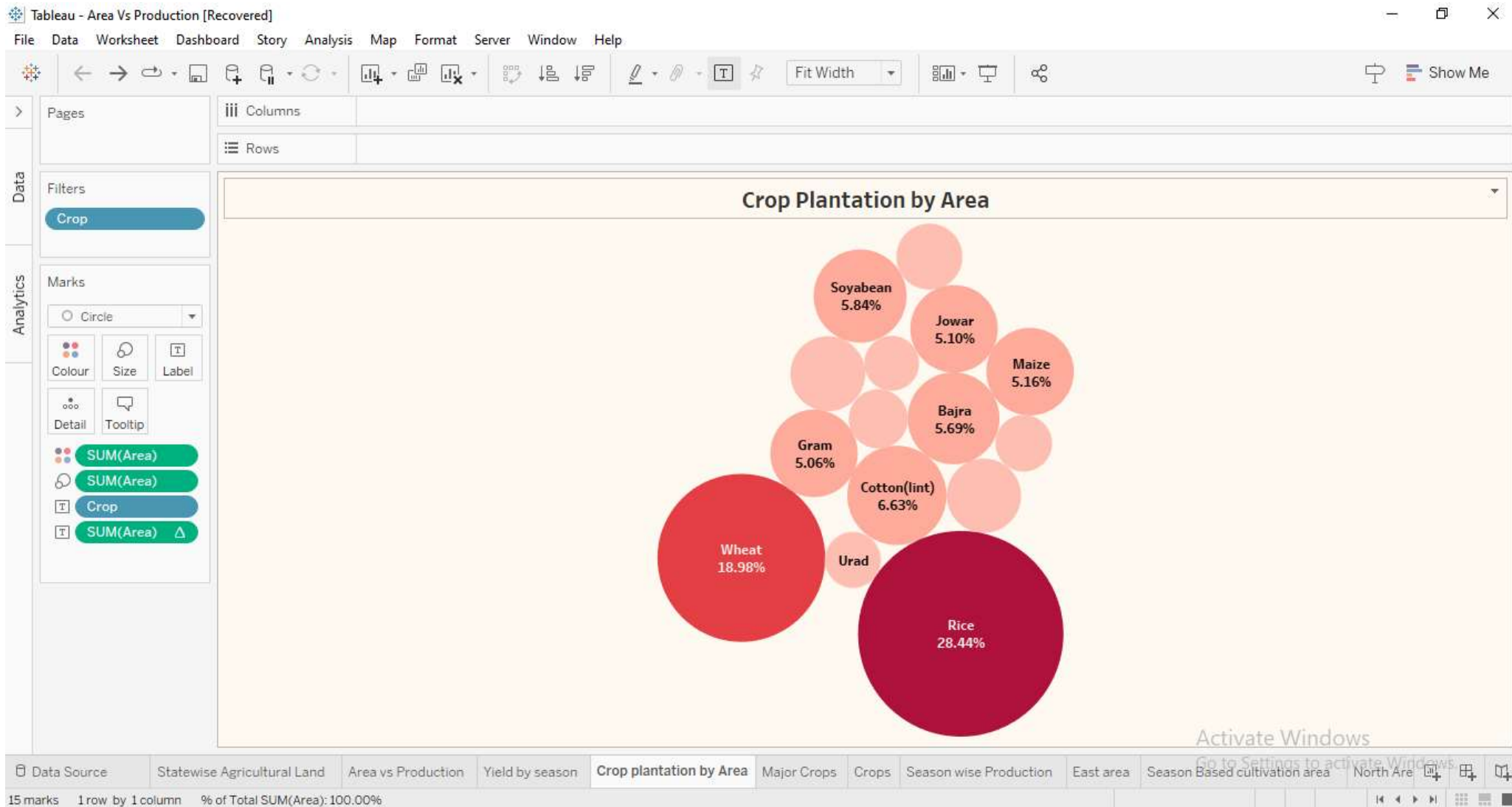


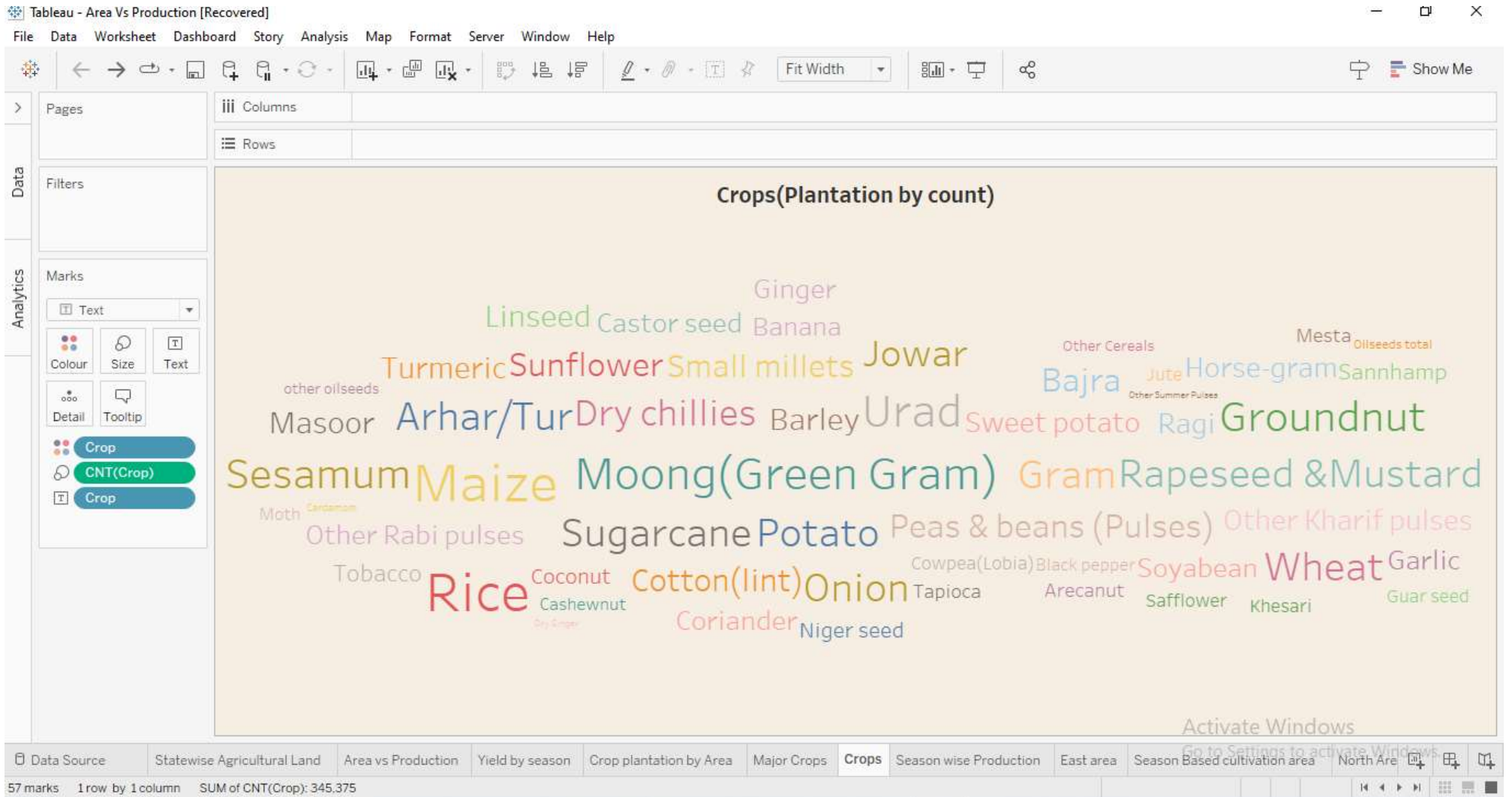
3. RESULT:



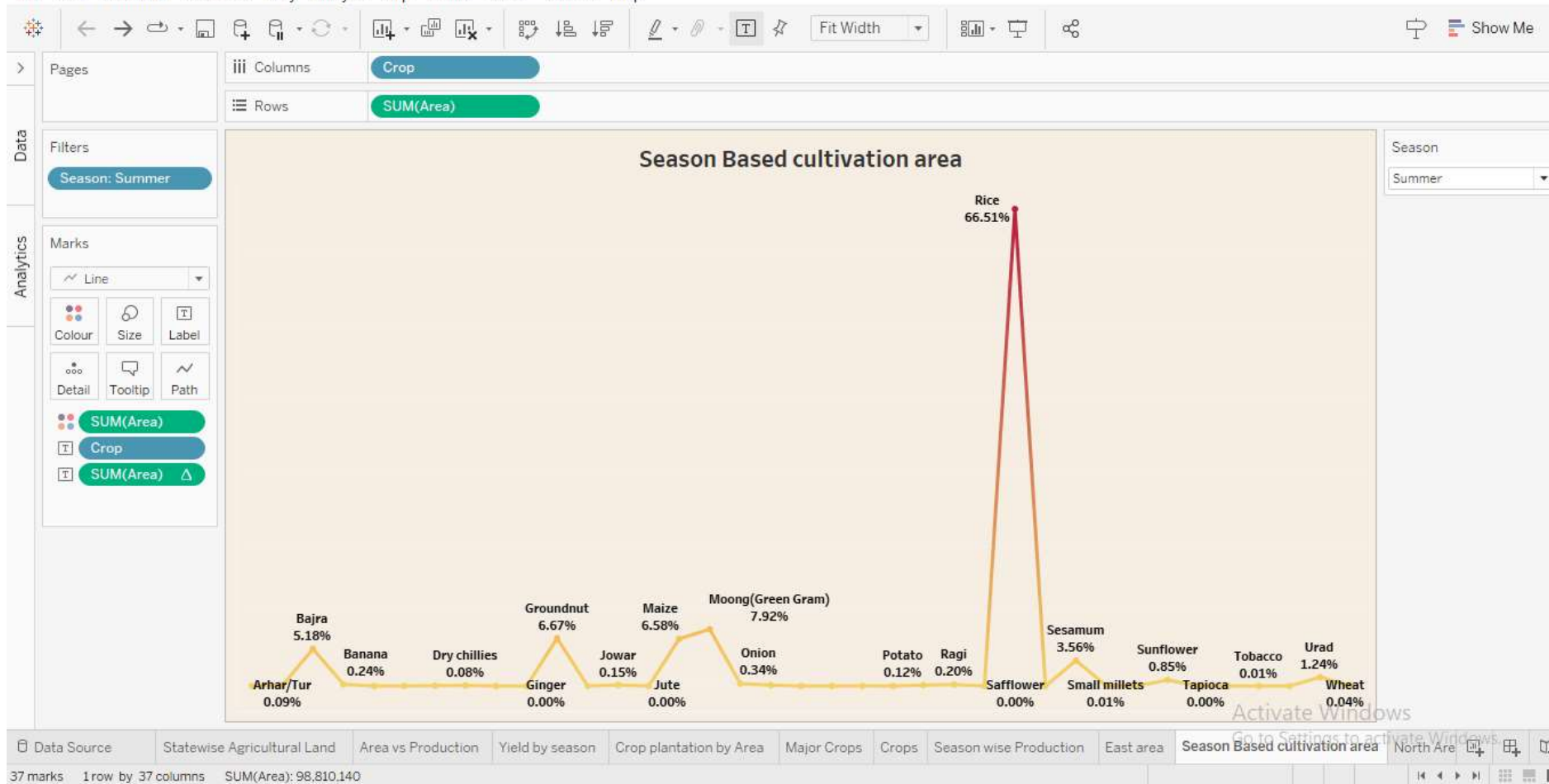


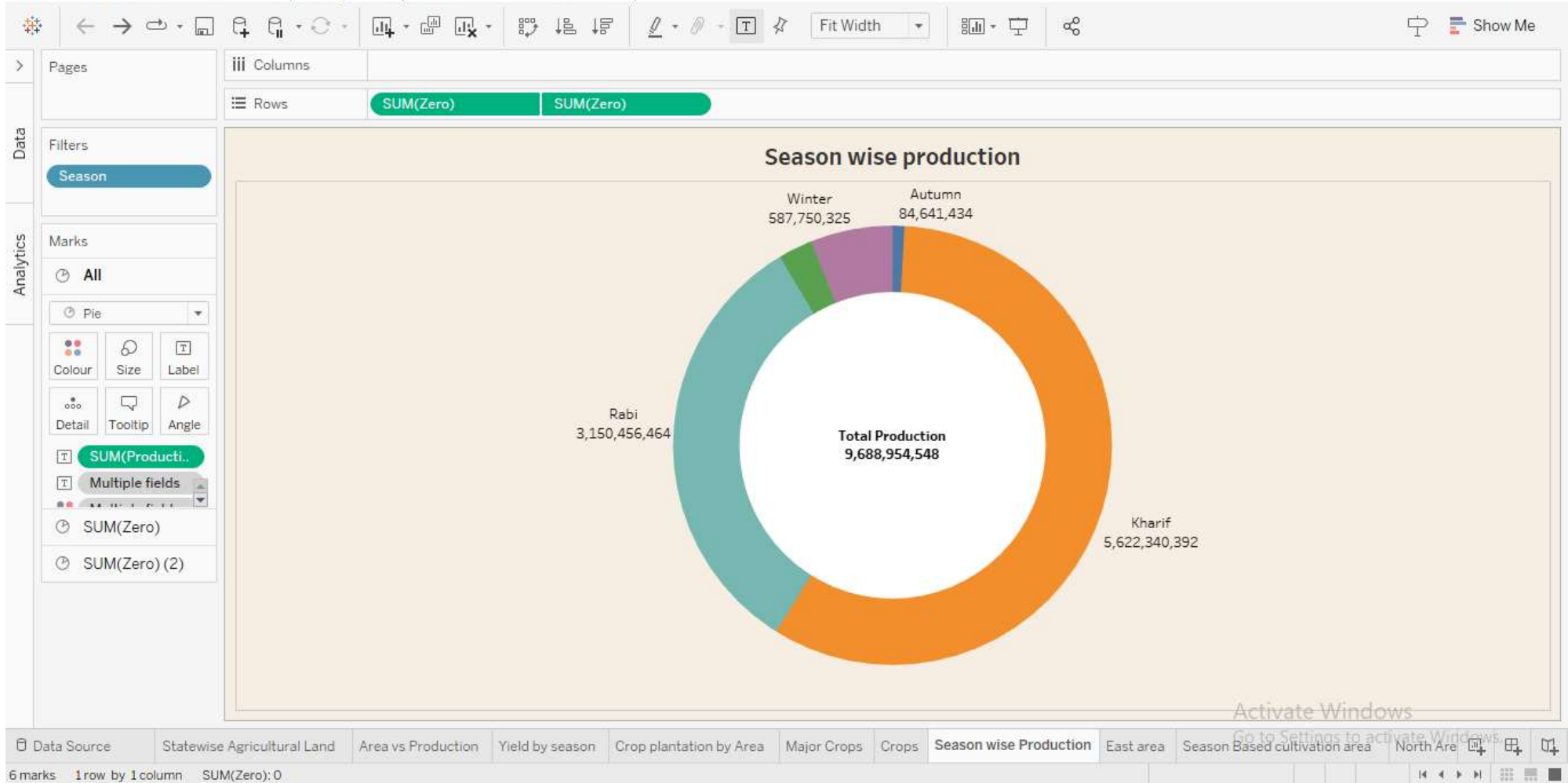








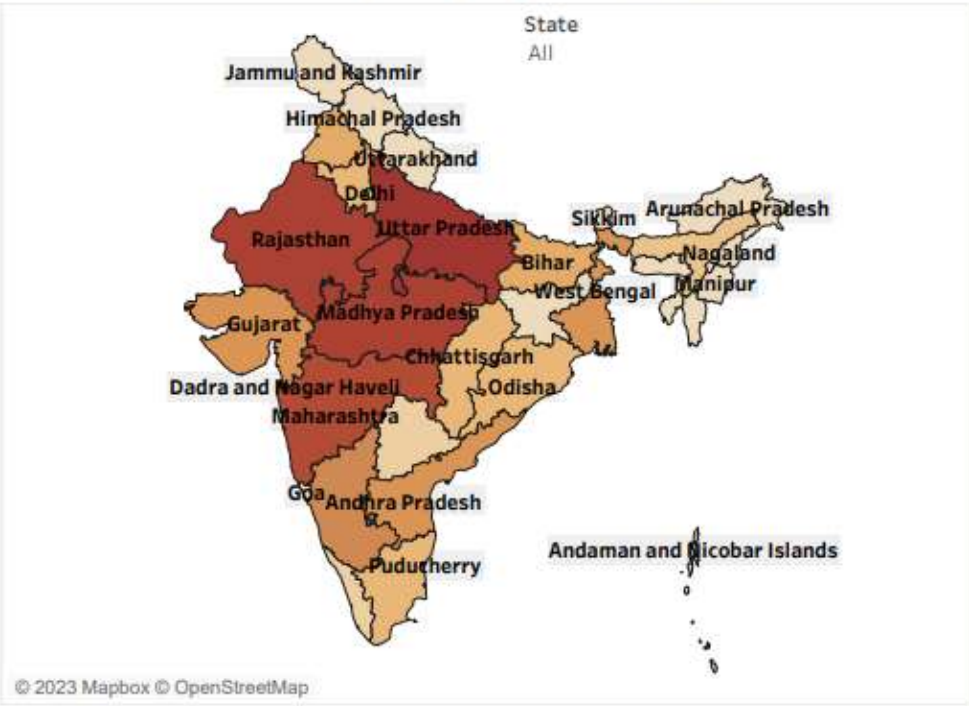




Area in acres region-wise

West Area	South Area	North-east Area	North Area	East
4,030,580,636	4,030,580,636	4,030,580,636	4,030,580,636	4,030,580,636

Statewise Agricultural Land

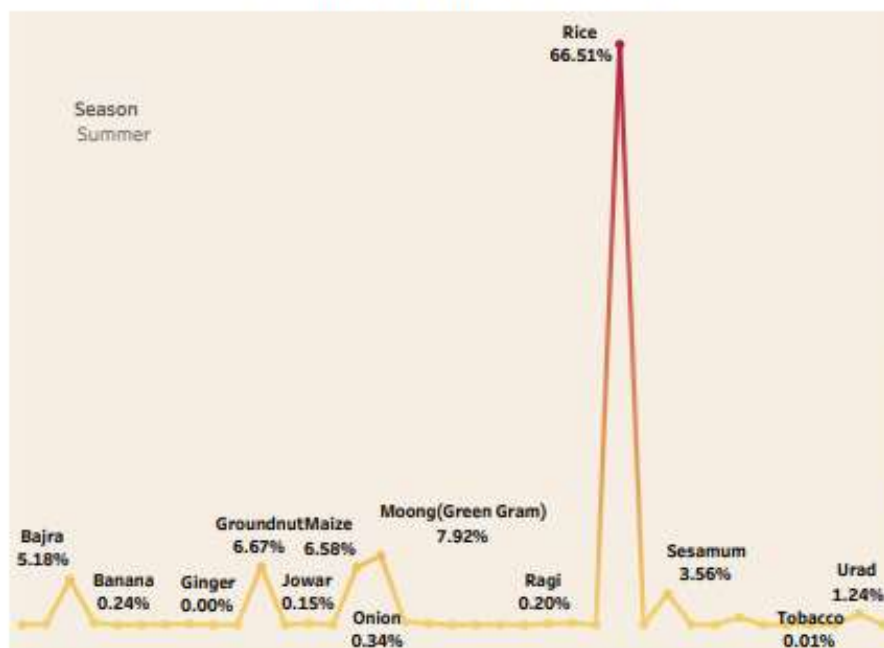


Area Vs Production

542,672,635	Uttar Pradesh	4,442,585,306
492,087,994	Madhya Pradesh	824,851,676
486,453,365	Rajasthan	589,164,332
461,939,552	Maharashtra	1,878,564,918
257,907,399	Karnataka	63,772,797,345
238,925,335	Andhra Pradesh	26,076,218,605
237,682,265	West Bengal	8,941,179,120
222,434,333	Gujarat	807,581,678
167,995,431	Bihar	544,953,533
162,040,200	Punjab	781,551,409
Area		Production

Production in tonnes region-wise				
West	South	North-East	North	East
326,242,956,201	326,242,956,201	326,242,956,201	326,242,956,201	326,242,956,201

Season Based cultivation area



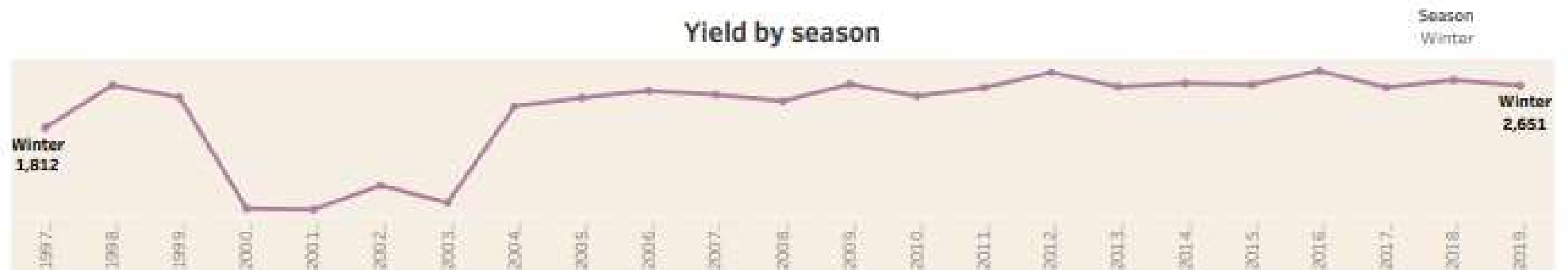
Crop Plantation by Area



Crops(Plantation by count)



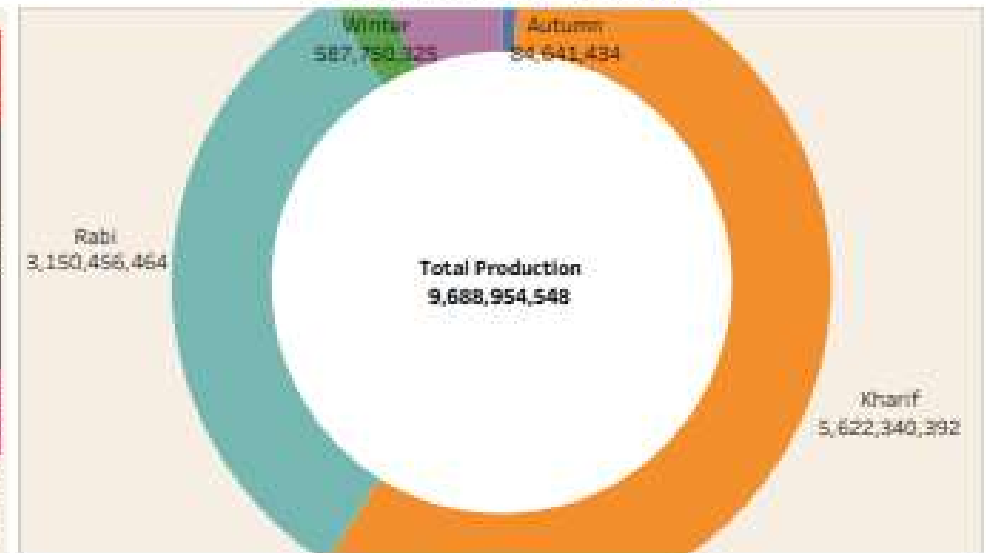
Yield by season



Major Crops

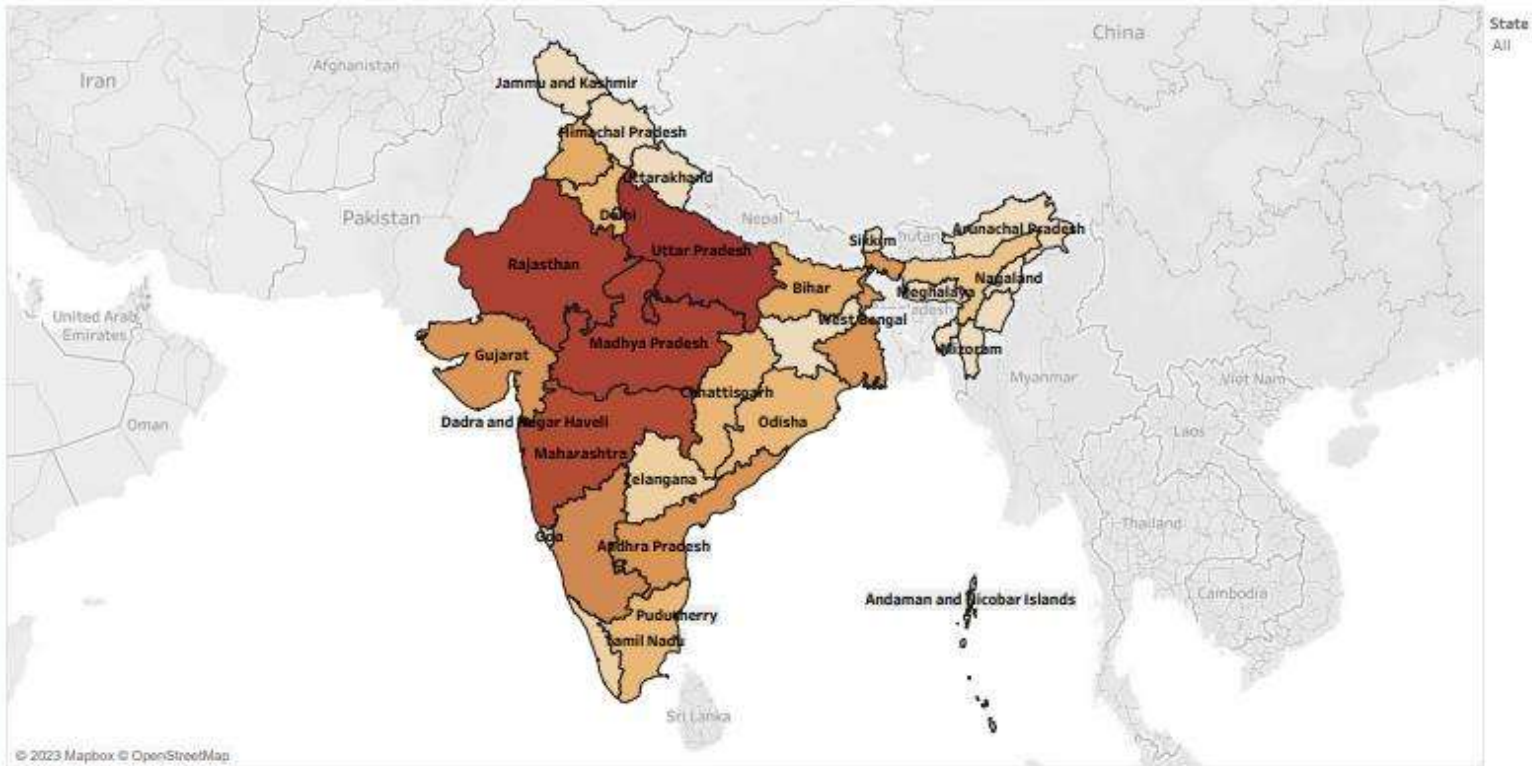


Season wise production



Insights into India's agricultural cultivation

Indian States: Visualizing Area Distribution. This int...	Area Vs Production: Top 10 Indian States: This butterfly chart in...	Cultivation of crops in India: Seasonal Percentage Distributi...	Year-on-Year Percentage Growth of Major Crops in India-Y...
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Insights into India’s agricultural cultivation

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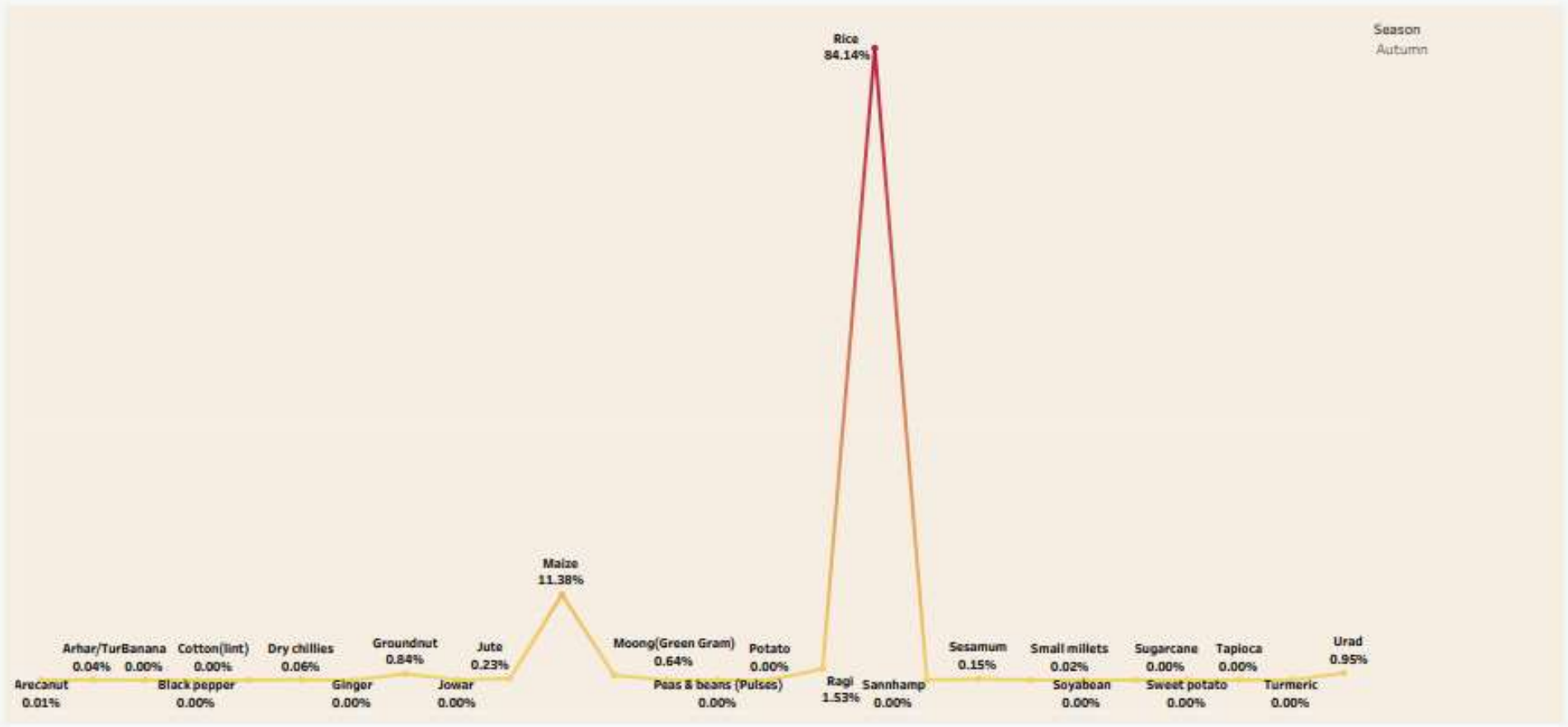
Insights into India's agricultural cultivation

Indian States:
Visualizing Area
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Area Vs Production:
Top 10 Indian States-
This butterfly chart in...

Cultivation of crops in
India: Seasonal
Percentage Distributi...

Year-on-Year
Percentage Growth of
Major Crops in India-T...



4. ADVANTAGES AND DISADVANTAGES:

- It is useful to know about the field of agriculture.
- This Project is very useful to analyse the agricultural cultivation during the year of 1997-2021.
- Time duration is the most common problem of this project.

5. APPLICATIONS:

- Tableau is an excellent tool for managing large datasets. It may be used for data collection, analysis, and visualization.
- The greater number of variables, the easier it is to comprehend and make predictions.

6. CONCLUSION:

- Finally the processes which have been done by our team is published on tableau the video of our project is demonstrated. The project report is given above. We have a clear dashboards and story which are to be easily understood.

7. FUTURE SCOPE:

- This project gave as a guidance to get a job later to this field in our future in a software companies. We may be analysis in our life.