

HORTICULTURE - ANALYSIS OF AREA PRODUCTION AND PRODUCTIVITY OF SPICES FROM 2008 – 2011

- By Surendhar R

1. INTRODUCTION:

1.1 OVERVIEW

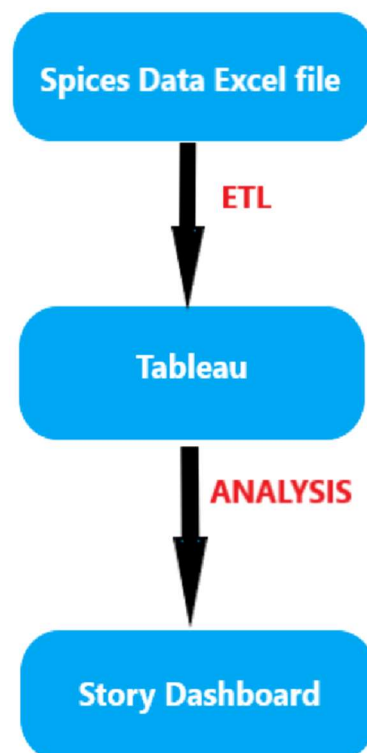
Horticulture is the art of cultivating plants in gardens to produce food and medicinal ingredients, or for comfort and ornamental purposes. Horticulturists grow flowers, spices, fruits and nuts, vegetables and herbs, as well as ornamental trees and lawns. In this project, I am going to analyse the area production and productivity of spices from 2008 - 2011 data and make a storyboard report using Tableau to understand the production and productivity of spices effectively. The dataset downloaded from data.gov.in website. The dataset contains the data about the area production and productivity of spices from 2008 - 2011.

1.2 PURPOSE

To unlock the insights that are not visible before, understand the patterns much more effectively in the data, present the data in much more presentable form that can be easily understand by Horticulturists to take certain decisions effectively.

2. LITERATURE SURVEY

2.1 PROJECT ARCHITECTURE



2.2 SOFTWARE REQUIREMENTS:

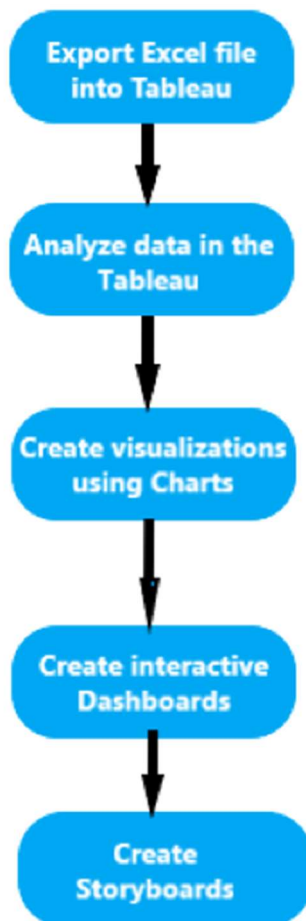
WHAT IS TABLEAU?

Tableau is a powerful and fastest growing data visualization tool used in the Business Intelligence Industry. It helps in simplifying raw data in a very easily understandable format. Tableau helps create the data that can be understood by professionals at any level in an organization. It also allows non-technical users to create customized dashboards. Data analysis is very fast with Tableau tool and the visualizations created are in the form of dashboards and worksheets.

The best features of Tableau software are

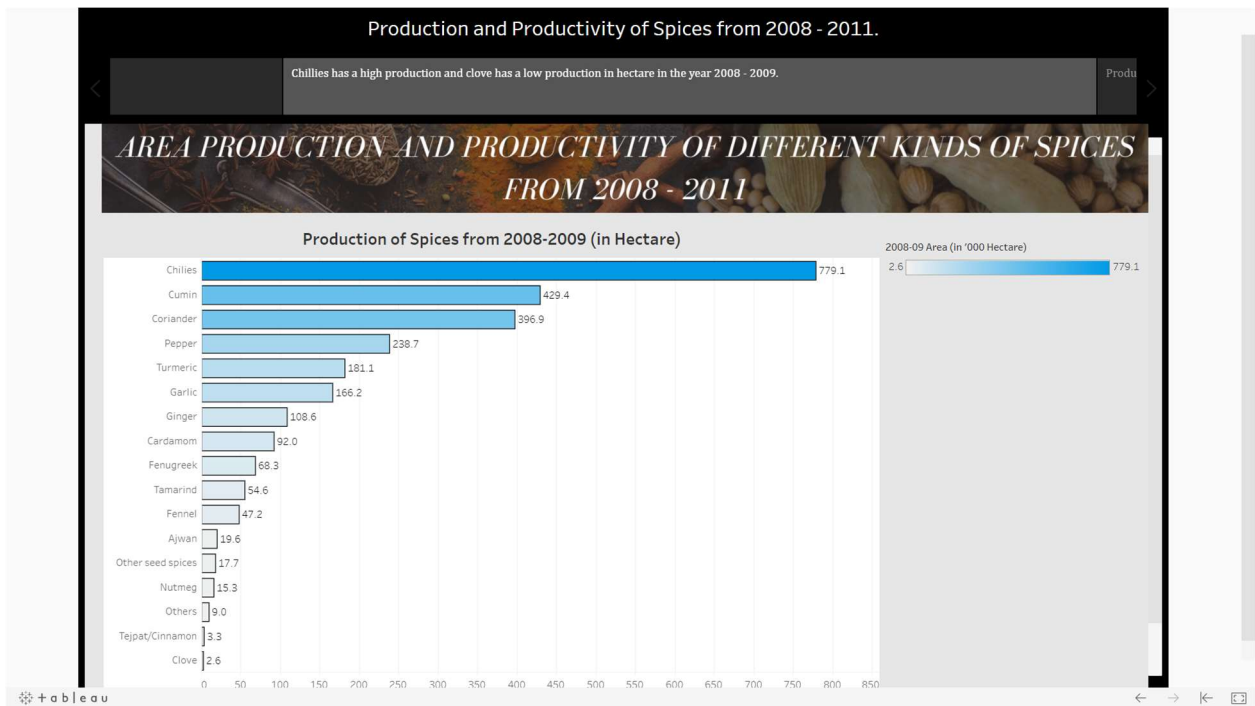
- Data Blending
- Real time analysis
- Collaboration of data

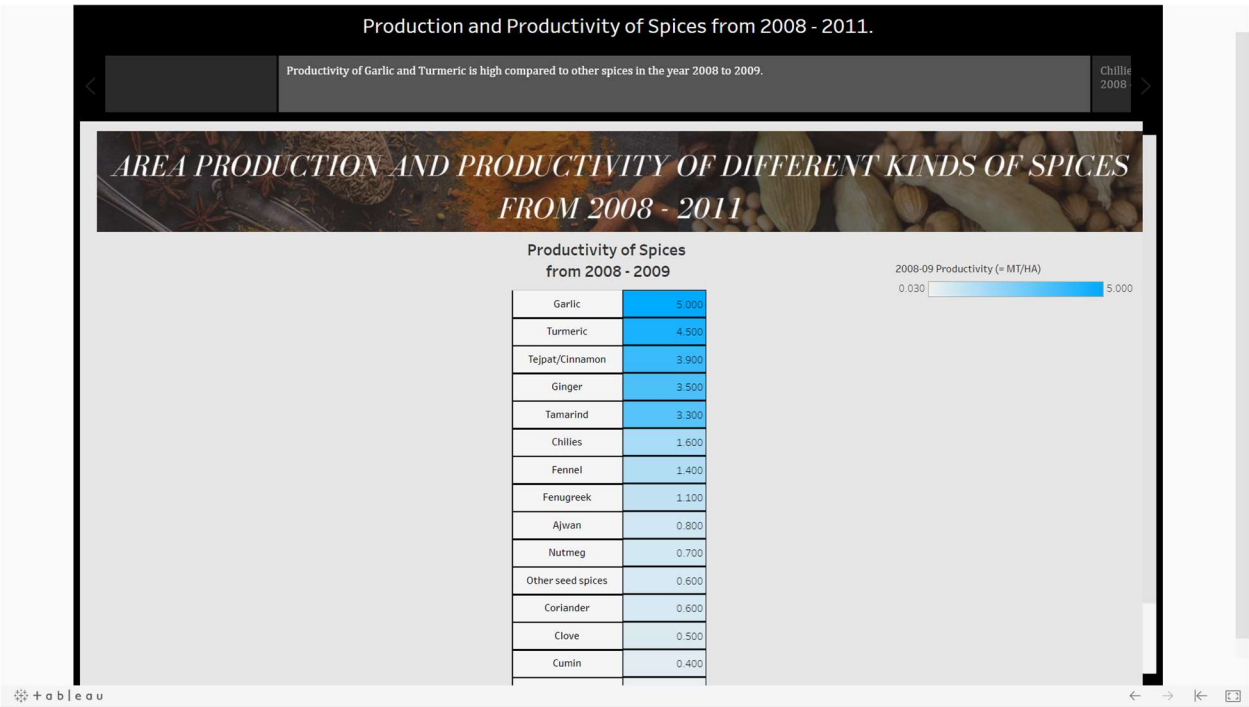
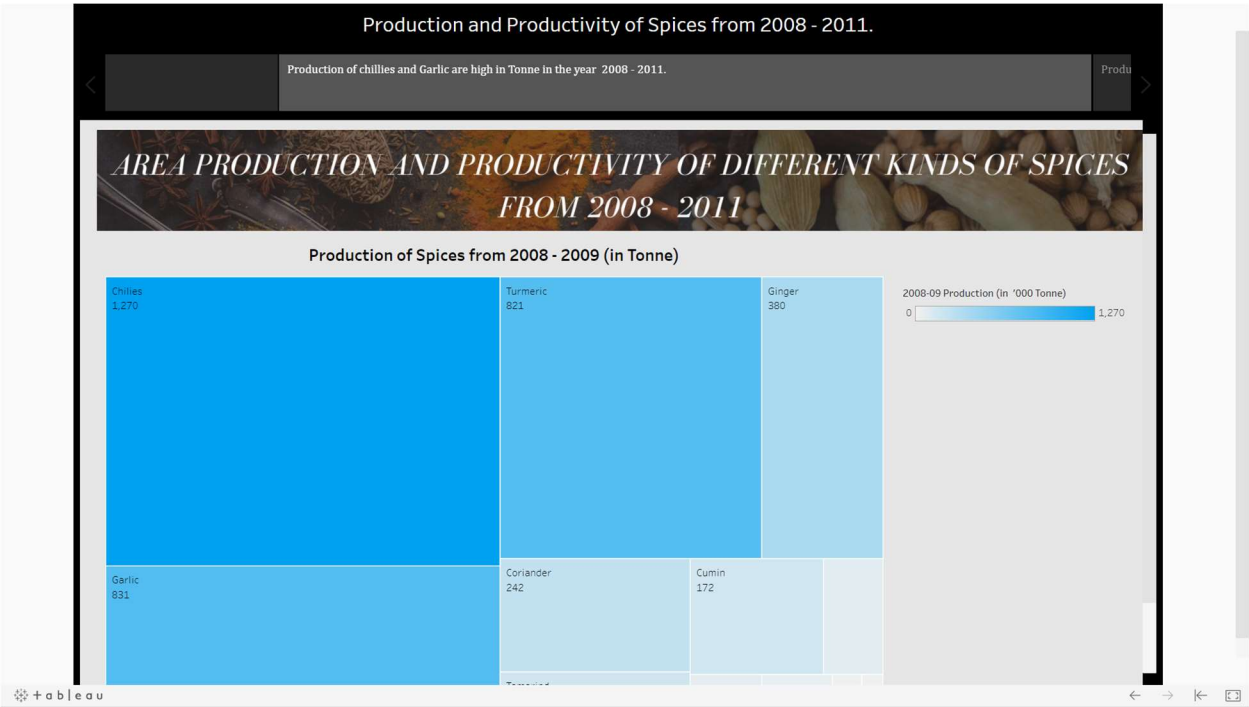
3. FLOWCHART:

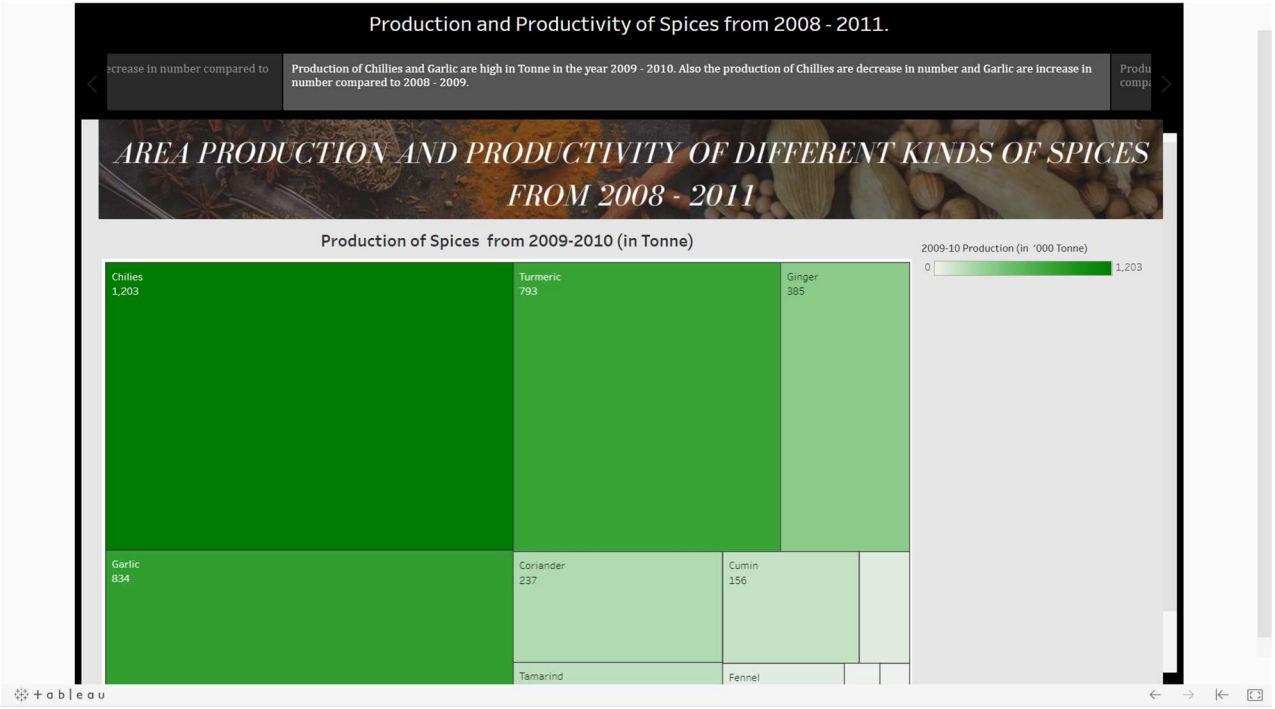
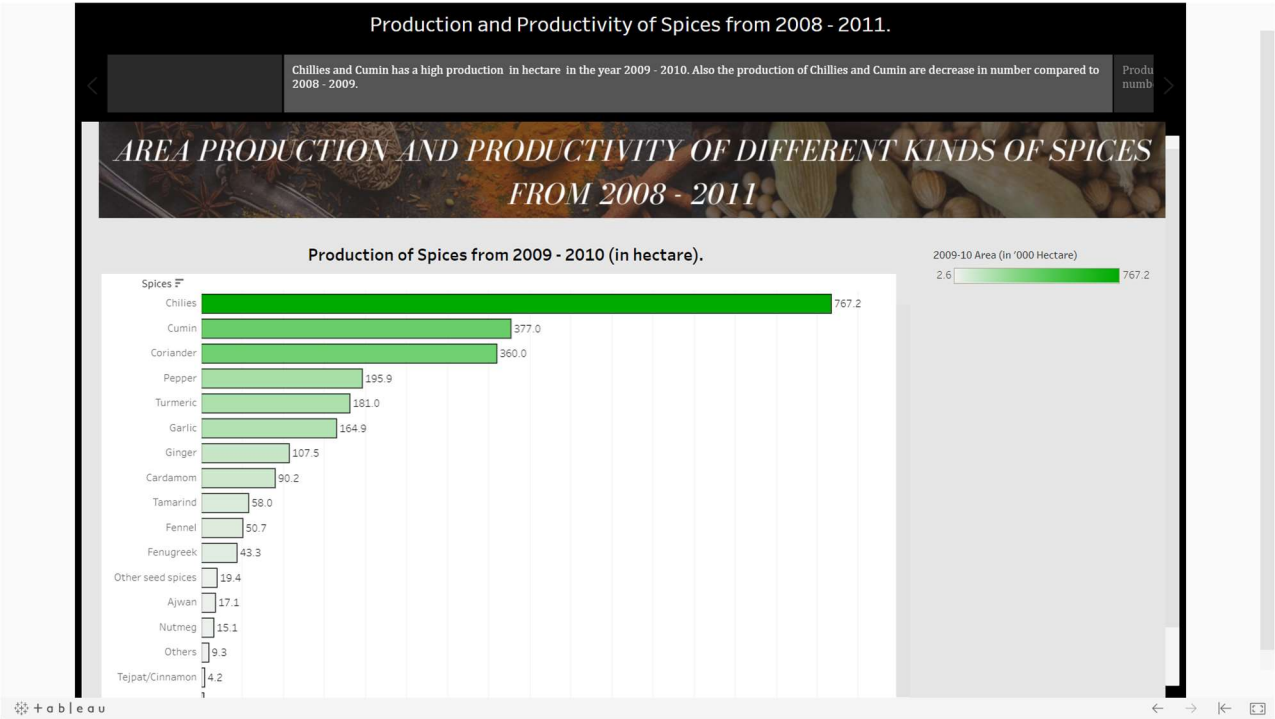


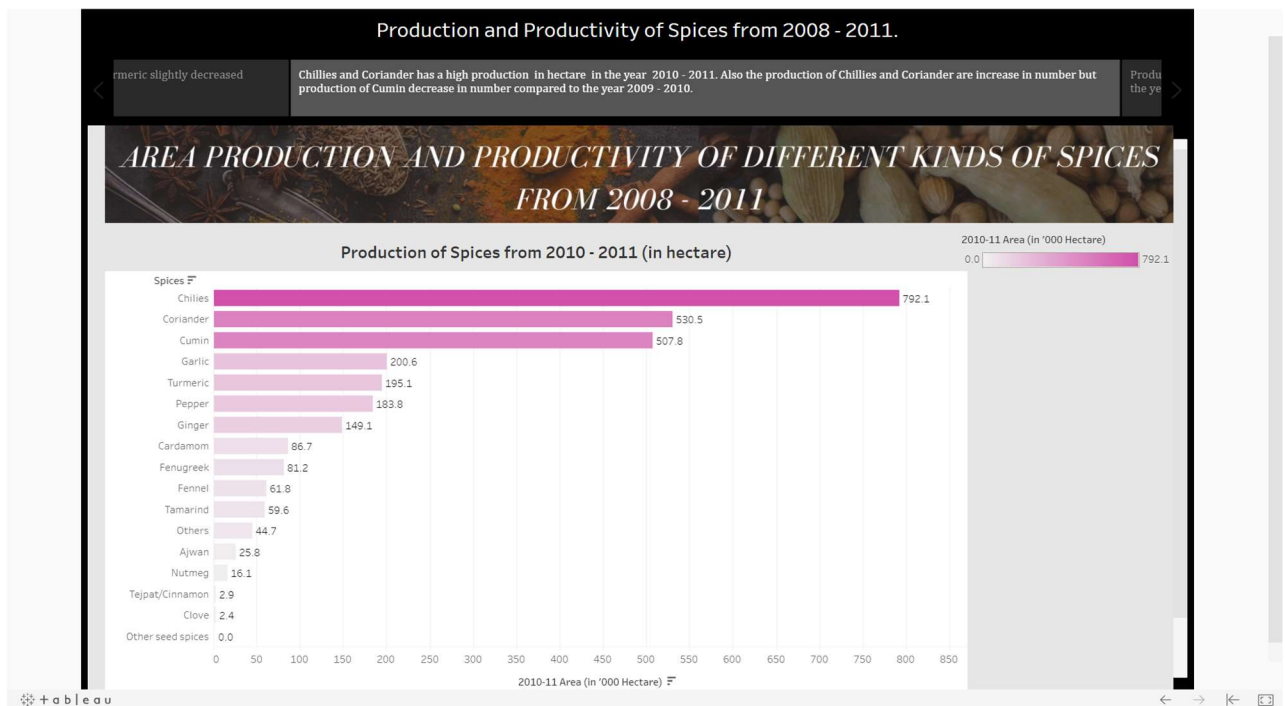
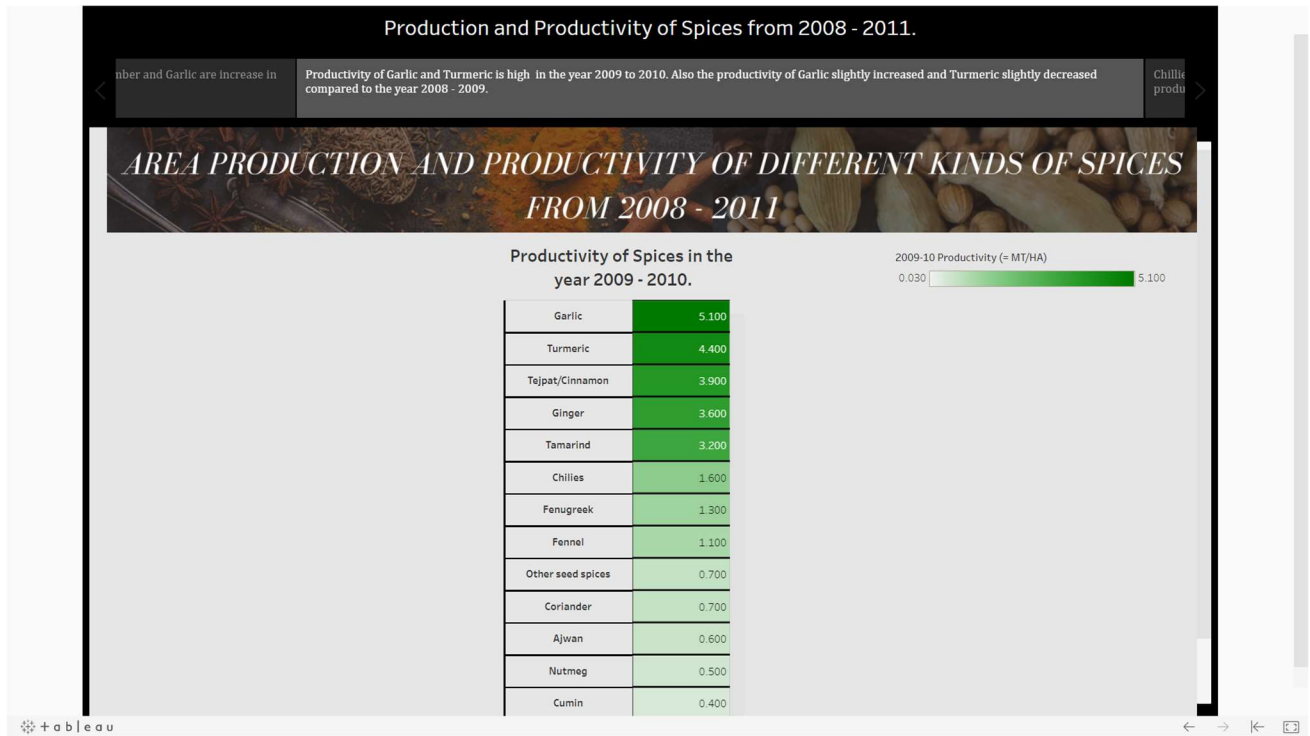
4. RESULT

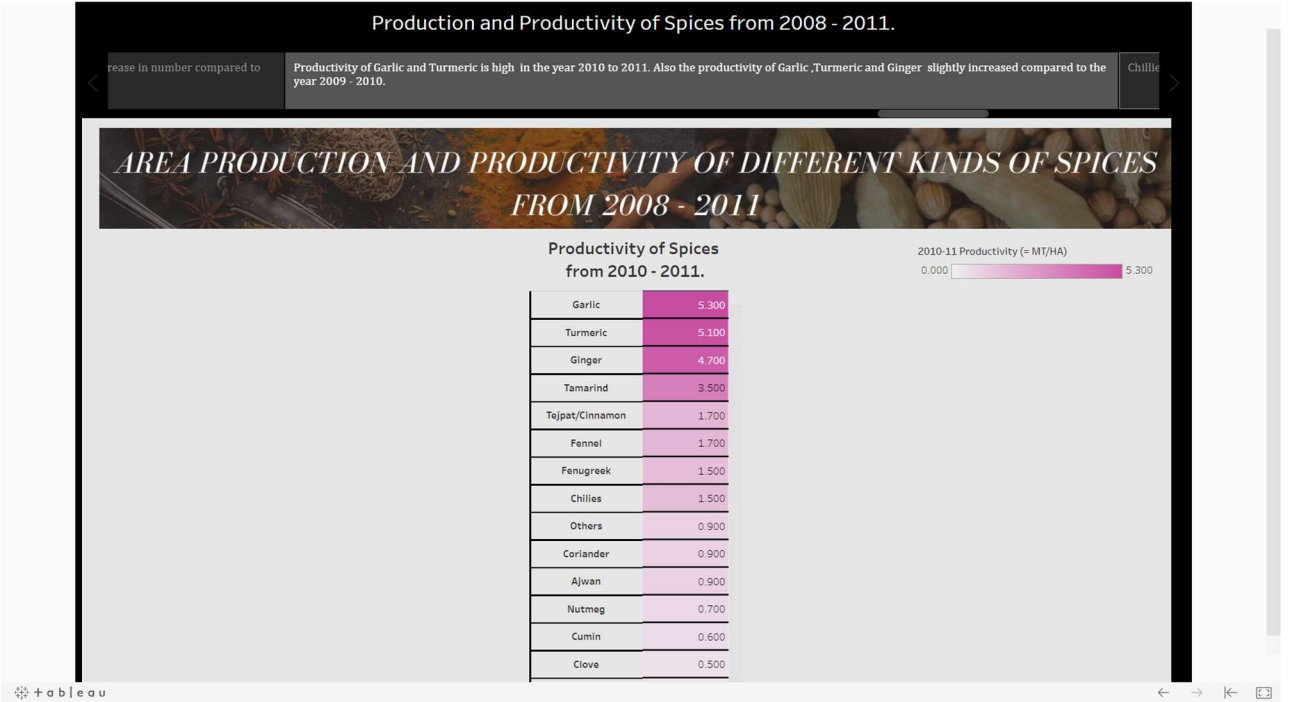
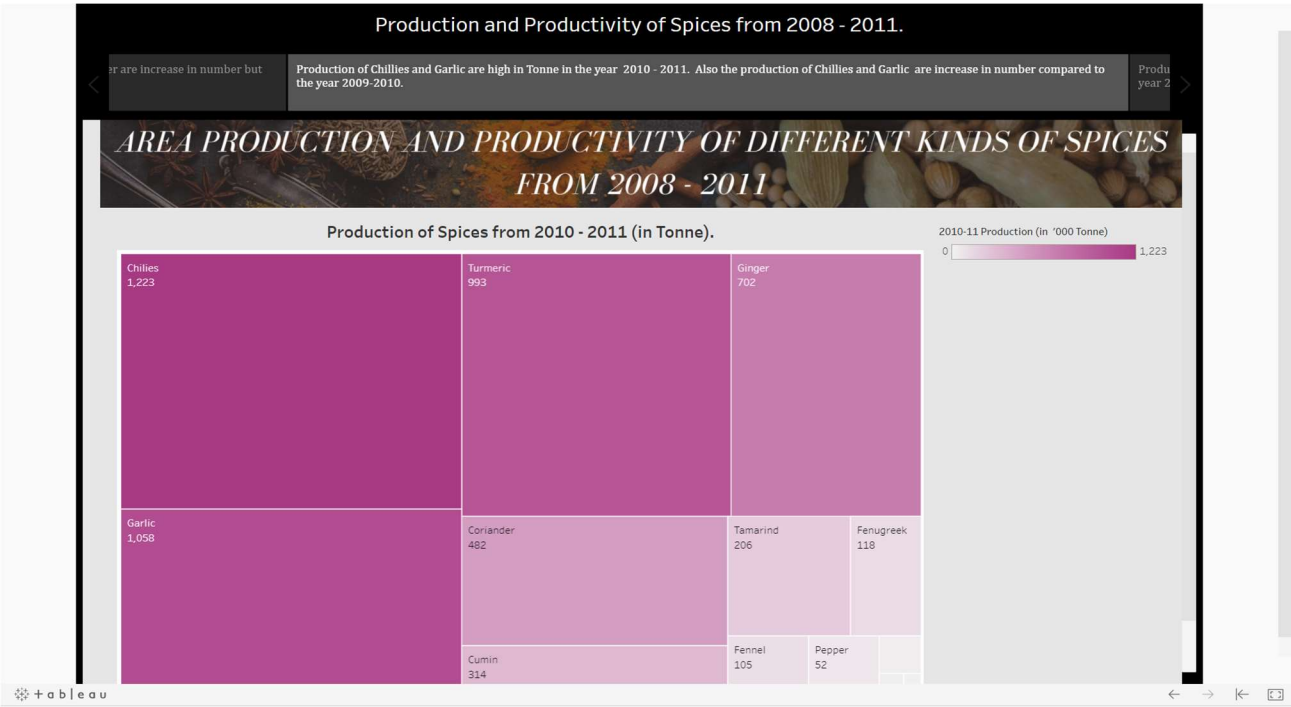
The result of the project is the interactive Storyboard.

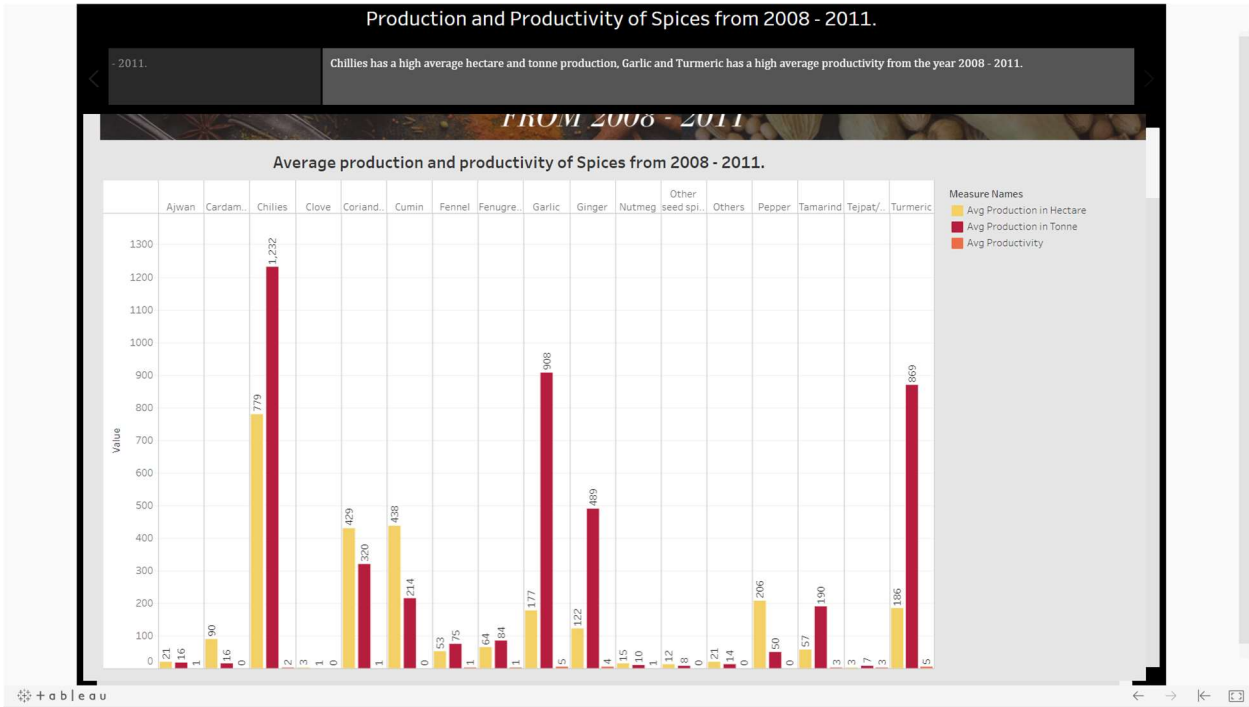
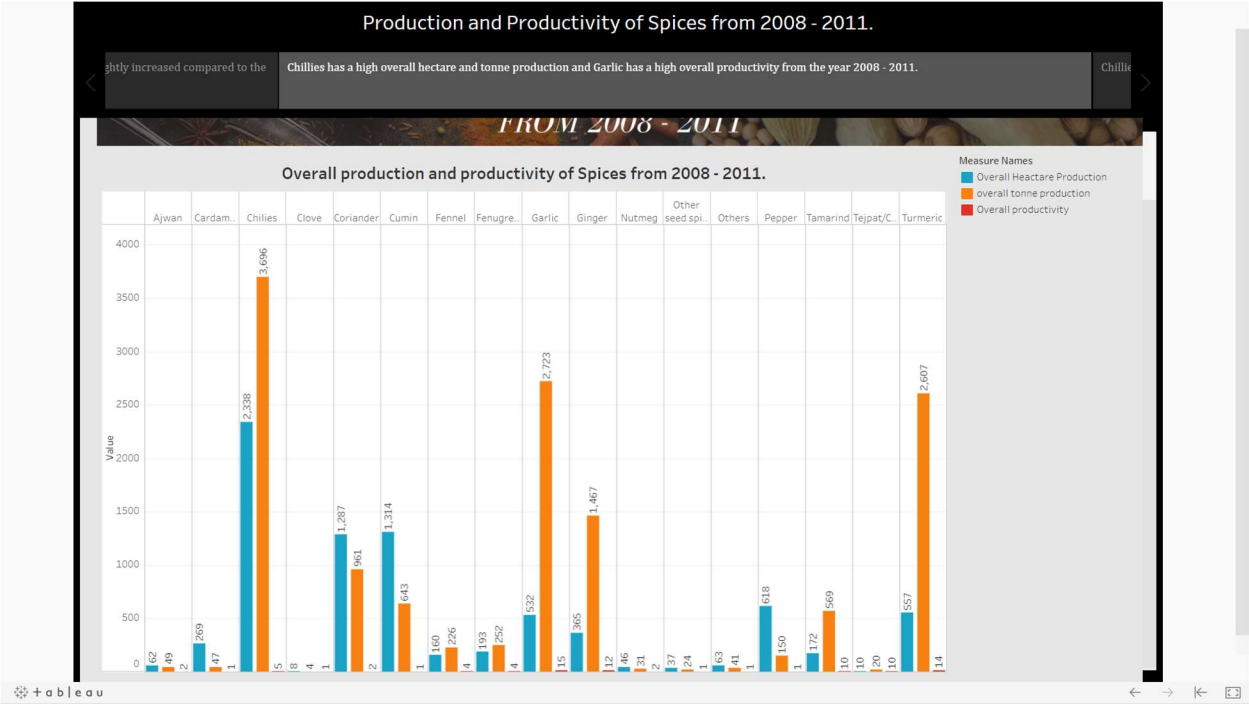












5. ADVANTAGES:

- Easily understandable and presentable to everyone.
- Used to take effective decisions.
- Easy to spot the errors.

6. PROJECT DASHBOARD AND EXPLANATION VIDEO LINK:

Project Dashboard Link:

https://public.tableau.com/shared/Z2BBCKD7H?:display_count=y&:origin=viz_share_link

Project Explanation Video Link: <https://youtu.be/bi9iJYxqblE>

7. CONCLUSION:

The data was collected and analysed well. The effective visualizations and interactive storyboard were created. So that Horticulturists found useful insights and helped him/her to take effective decisions.

8. BIBLIOGRAPHY:

<https://data.gov.in/>

<https://public.tableau.com/en-us/gallery/?tab=viz-of-the-day&type=viz-of-the-day>

<https://youtu.be/QYnkudCxbmE>