

# Tableau data viz challenge-2021

Domain: Horticulture

## Horticulture

Horticulture is the science and art of development,sustainable production,marketing and use of high-value,intensively cultivated food and ornamental plants. These crops are diverse.They are responsible for increasing yield,improving the size and taste of plants.They must have extensible knowledge about plants, trees, flowers, and fruits.

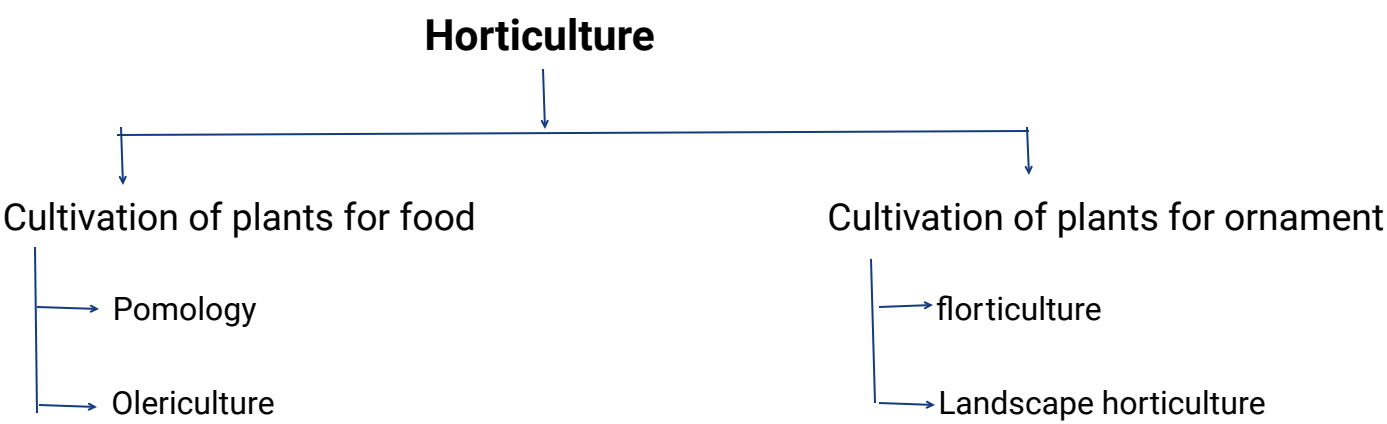
- Horticulture is the branch of agriculture that deals with the art, science and business of plant cultivation.
- Horticulture crops are produced on a smaller scale with more intensive management than agronomic crops (Produced on a large scale like wheat, rice,pulses etc.,)

As we can see, agriculture and horticulture look similar. We will now see the difference between agriculture and horticulture.

Agriculture ➡ It deals with the cultivation of crops and also animal farming

Horticulture ➡ It is the subdivision of agriculture deals with the gardening of plants

★ Horticulture is divided into 2 divisions.They are:

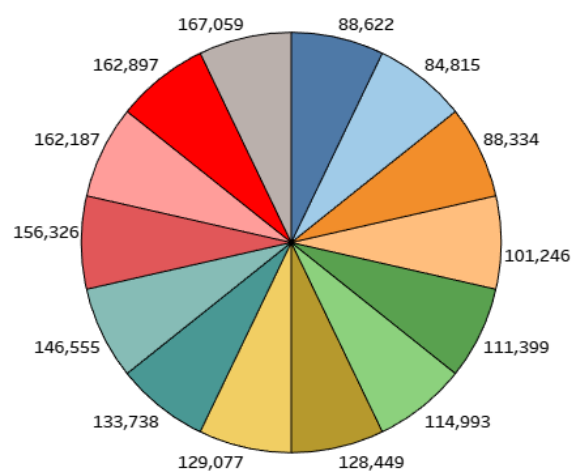


Now as we look into detail, production and consumption of high quality fruits and vegetables allows us to maintain a healthy, balanced daily diet. Flowers and ornamental plants enrich our homes and communities, and contribute to our sense of well-being. Horticulture impacts our lives on a daily basis by providing nutritious fruits and vegetables, offering visual enjoyment, and promoting recreational activities.

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All India level area and Production of vegetables from the year 2001-2015

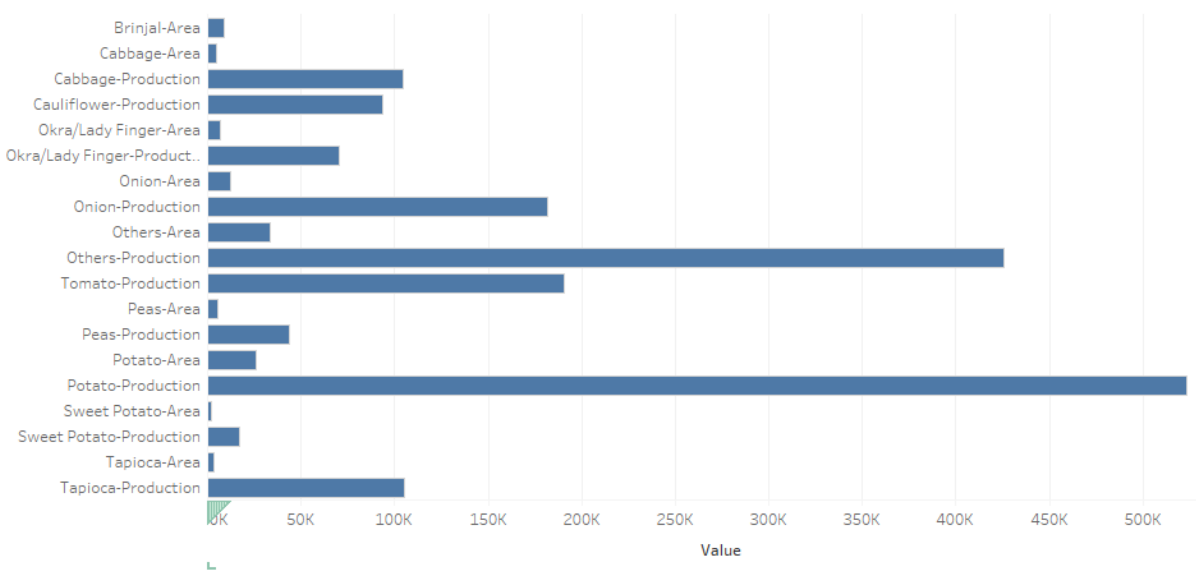
Now, the production of vegetables in the year 2001 was moderate. We can see that the production was also increasing as the year given in the below figure



The figure represents the total production from the year 2001-1015.

- 1. In the year 2001 there was production of 88,622 and kept on increasing till 2015
- 2. The production had not decreased till last
- 3. Finally, the production in the last year was 1,67,059.
- 4. This picture shows that the production was increasing every day as the people are buying it at that rate.
- 5. The Production was happening in different areas so that there should much profit.

Now as we look into the vegetables in the below figure



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We can observe that the production of potato was higher than other vegetables. So farmers are growing the potato to earn more profit. Moving to the next, we can see that not only potato or mentioned other vegetables in the figure have production but other vegetables had production. The most commonly sold vegetables have the highest production.

### **Conclusion**

As my topic represents about all India level area and production of vegetables from 2001-2015. It gives an idea that there was a massive production in the year 2008-09 of all the vegetables.

In the year 2008-09 the highest production of the vegetable was potato among all other vegetable. Not only in that specific year but from 2001-2015 the production of potato was high compared to other vegetables.

Now the conclusion is that horticulture is the branch of agriculture dealing with the gardening of plants and vegetables. It provides information about how the production is happening every year.

This all comes under data visualization and story telling.

We can learn about this by doing some projects which provide a lot of information apart from college providing information

Data visualization is nothing but the representation of information and data in the form of graphical manner. It provides an easy way to understand the information in the form of graphs and dashboards.