State-wise Area and Production of Various Horticulture Crops from 2009-10 to 2014-15

1.INTRODUCTION

1.1 OVERVIEW

This project was created with an inspiration on however one will analyse multiple aspects of a dataset that's no.of crops that square measure growning in gardening technique in Asian country. This project adds multiple aspects like differing kinds of crops that square measure grownup in Asian country and percenatge of production of crops in gardening etc. and shows them on an individual basis as totally different components of story still as combined by mistreatment dashboard and adding that dashboard to the story.

1.2 Purpose

Using this project one will analyse the assorted aspects during a single story/dashboard.The various graphs facilitate during a higher understanding of the info which might any be used for developement of farming in india.

2 Literature Survey

2.1 Existing Problem

Most of the information remains in matter format that is of no use because it is trouble to understand and even the yearly reports provided by Agriculture sector ar principally in tabular form which might be found in http://farmer.gov.in/.

2.2 Proposed Solution

With data visulaization tools we can visualize this data and get a better understanding of each and every aspect of the dataset and therefore comeup with any solution faster.

3 Theoretical Analysis

3.1 Hardware / Software designing

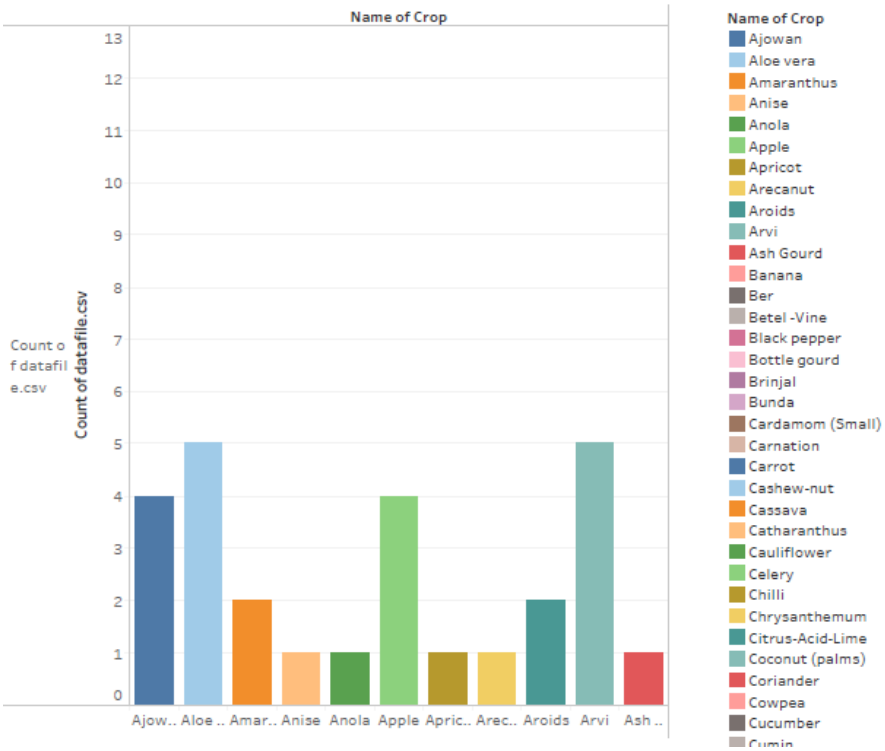
For this project the sole tool used was Tableau desktop which may be put in on any desktop/Laptop. One may use Tableau on-line in any browser however the preffered tool would be tableau desktop.

4 Experimental Investigations

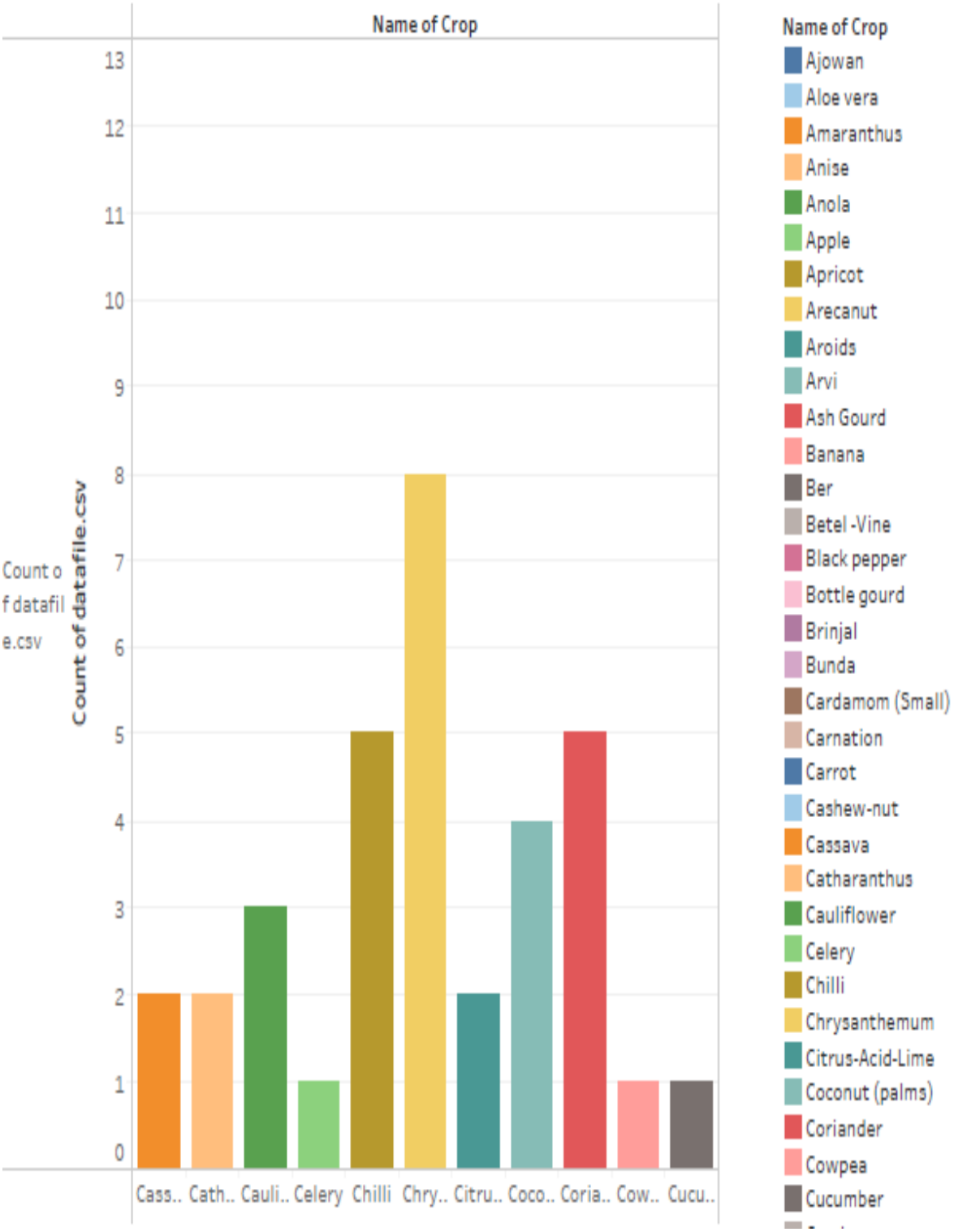
While engaged on the answer it had been discovered that however will a graph will modify the whole, which means of the info and it's essential to settle on the proper graph for the proper data.

5 Result

As the result shown in the below Arvi and Aloe vera are the crops grown more in the year 2009-2015.



As the reuslt shown below the continuation of the first graph the crops like chrysanthemun followed by chilli,coriander etc....are the top crops grown In the year 2009-2015.

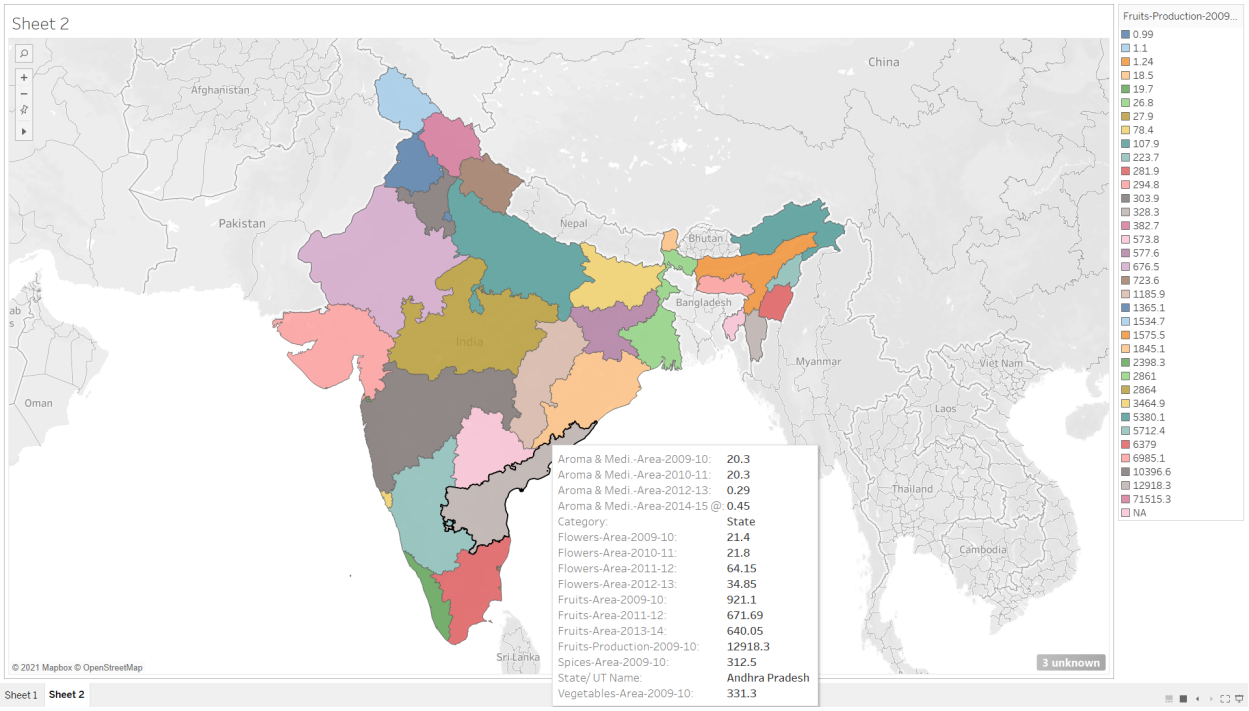


As to get some knowledge about the past of horticulutre I have preapared a table of crops

growing from 2002 to 2009.The table shows the same.

2003	2009	2005	2008	2007	2006	2004	Name of Crop	2002 Null
NA	Bhima Omkar	Jamuna Safed-4(G-3..	NA	NA	NA	VL Garlic -1 (VLG-7)	Garlic	1
	Kufri Frysona	Kufari Surya	Kufri Himsona	NA	NA	NA	Potato	1
	NA	(IB-90-15-9)	NA	NA	NA	NA	Sweet Potato	1
		Ahinakatchu	NA	NA	PKS-1	NA	Arvi	1
		Arka Ananya (TLBRH..	NA	NA	NA	NA	Tomato Hyb.	1
		Arka Suphal (PMR 5..	NA	Arka	NA	NA	Chilli	1
		Bhaskar	NA	Chintamani-2	NA	NA	Cashew-nut	1
		Bidhan	NA	NA	NA	NA	Sweet Potato	1
		Bisra	NA	NA	NA	NA	Sweet Potato	1
		Chilli-101(Anand Jyo..	NA	NA	NA	NA	Chilli	1
		Goutam	NA	NA	ISGP-4	NA	Sweet Potato	1
		Gujarat Sponge Gou..	NA	NA	NA	NA	Spong Gourd	1
		Gujarat Veg.	NA	Arka aweta	NA	Utkal Ava (BC-14-2)	Chilli	1
		HBH-142	NA	NA	NA	NA	Okra Hybrid	1
		IISR Nahima	NA	NA	NA	NA	Ginger	1
		IISR Rajitha	NA	NA	NA	NA	Ginger	1
		IISR Viswashree	NA	NA	NA	NA	Nutmeg	1
		Indira	NA	NA	NA	NA	Sweet Potato	1
		Indira Arvi-1 - (BKCO..	NA	NA	RNCA-1	NA	Arvi	1
		INGR No. 04113	NA	NA	NA	Jawahar	Safed musli	1
		INGR No.4114	NA	NA	NA	NA	Safed musli	1
		Jagannath (90/101)	NA	NA	NA	NA	Sweet Potato	1
		Kadma Arvi	NA	NA	Sonajuli and Jhankri	NA	Arvi	1
		Kashi Anmol(KA-2)	NA	NA	NA	NA	Chilli	1
		Kashi Bhairo (DVR-3)	NA	NA	NA	NA	Okra Hybrid	1
		Kashi Hemant (IIVR ..	NA	NA	NA	Sankranthi (TLB-11)	Tomato	1
		Kashi Kuwari(IVCE-2)	NA	NA	NA	Pusa Sharad (sel-30..	Cauliflower	1
		Kashi Nandini(VRP-5)	NA	NA	NA	Sankranthi (TLB-11)	Pea	1
		Kashi Pragati(VRO-6)	NA	NA	NA	NA	Okra	1
		Kashi Prakash(IVBT-..	NA	NA	NA	Gujrat Brinjal Long-1	Brinjal	1
		Kashi Sharad(IIVR S..	NA	NA	NA	Nandi (TLB-130)	Tomato	1
		Kashi Shyamal(IVRC..	NA	NA	NA	NA	Cowpea	1
		Kashi Vibhuti(VRO-5)	NA	NA	NA	NA	Okra	1
		Kashi Vishesh (H-86)	NA	NA	NA	Vybhat (TLB-182)	Tomato	1
		Kishan	NA	NA	RNSP-3	NA	Sweet Potato	1
		Kufri Arun	Kufri Khyati	NA	NA	NA	Potato	1
		Kufri Chipsona-3	NA	NA	NA	NA	Potato	1
		Kufri Himalini	NA	NA	NA	NA	Potato	1
		Kufri Pushkar	Kufri Sadabahar	NA	NA	NA	Potato	1
		Kufri Shailja	Kufri Girdhari	NA	NA	NA	Potato	1
		Narendra Subzi Mat..	NA	NA	NA	Nandi (TLB-130)	Pea	1
		NDB-3	NA	NA	NA	NA	Bunda	1
		NDB-21	NA	NA	NA	NA	Bunda	1
		NDPK-24	NA	NA	NA	Sooraj (CM-350)	Pumpkin	1
		NDSP-10	NA	NA	NA	NA	Sweet Potato	1
		NRCSS AA-1	NA	NA	NA	Ajmer Nigella-1(AN-..	Nigella	1
		NRCSS AA-2	NA	NA	NA	NA	Nigella	1
		NRCSS ACr 1	Hisar Bhoomit	Hisar Surabhi	RCr-480	Hisar Surabhi	Coriander	1
		NRCSS AD -1	NA	NA	NA	Ajmer Dill-1 (AD-1)	Dill	1
		NRCSS AD- 2	NA	NA	NA	Ajmer Dill-2(AD-2)	Dill	1
		NRCSS AF 1	NA	RF-178	RF-178 (UfF-178)	Hisar Swarup	Fennel	1
		NRCSS AM 1	NA	RMt-351	(UM-351)	RMt. 305	Fenugreek	1
		NRCSS AM 2	NA	RMt-3005	Gujarat Methi-2	NA	Fenugreek	1
		NRCSS AN-1	NA	NA	NA	NA	Nigella	1
		Orissa Elite	NA	NA	NA	NA	Greater Yam	1
							Yams	1
		Pani saru-1	NA	NA	Sree Athira	NA	Aroids	1
		Pani saru-2	NA	NA	NA	NA	Aroids	1
		Phule Rajani	NA	NA	NA	NA	Tuberose	1
		Prasanth(LCA- 334)	NA	Arka Meghana	NA	NA	Chilli	1
		Sakarkand – 1	NA	NA	NA	NA	Sweet Potato	1
		Sakarkand – 1(90-70..	NA	NA	NA	NA	Sweet Potato	1
		Shweta	NA	NA	NA	NA	Guava	1
		Sourin	NA	NA	IGSP-17	NA	Sweet Potato	1
		Sree kanaka (80/168)	NA	NA	NA	NA	Sweet Potato	1
		Sree Karthika - (DA-..	NA	NA	NA	NA	Greater Yam	1
		Sree Kiran (H-4)	NA	NA	NA	NA	Arvi	1
		Swarna Prabha(CHS..	NA	NA	NA	Pusa Sneha	Spong Gourd	1
		Swarna Shobha(HA..	NA	NA	NA	Brinjal Hybrid-2 (GB..	Brinjal	1
		Udhayam	NA	NA	NA	NA	Banana	1

I have represented the crops that are grown in india using horticulture.I have defined every information of the respective states in india.



6 Advantages and Disadvantages

The primary advatage is that information is in graphical arrangement which helps in better comprehension and examination and the significant downside is that the information is just for one year what's more, in the event that it were of 2-3 years ,relapse calculations might have been applied to foresee the sightseers for future years and make reasonable arrangments.

7 Applications

The accompanying dataviz can be utilized by in the Agriculture area for understanding the information or future forecasts and numerous different applications.

8 Conclusion

To summarize each and every graph in this project shows a visualization of each aspect and helps us understand the data better which would have been challenging in case of raw data.The raw data alone is of no use lest it is processed and visualized to predict or for other applications.

9 Future Enhancements

In future we can add more long periods of information for perception and look at information yearwise.We can likewise apply relapse calculations in the wake of adding more information and make reasonable courses of action for the vacationers of future.

10 Bibliography

The following resources were used for the completion of this project.

- https://community.tableau.com/s/
- https://data.world/datasets/horticulture
- https://data.gov.in/