



ARULMIGU PALANIANDAVAR COLLEGE OF ARTS AND CULTURE, PALANI.



Department of Mathematics

Course Name :DATA LITERACY WITH TABLEAU

Team Leader:

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MENTOR:

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Team Members:

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A.GOPIKRISHNAN

I.MOHAMMED ISHAQ

திருக்குறள்

சுழன்றும்ஏர்ப் பின்னது உலகம் அதனால்
உழந்தும் உழவே தலை.

ஹள் எண் - 1031

பால்: பொருட்பால்

இயல்: அடியியல்

அதிகாரம்: உழவு

மு. வரதராசன் உரை: உலகம் பல தொழில் செய்து சுழன்றாலும் ஏர்த் தொழிலின் பின் நிற்கின்றது, அதனால் எவ்வளவு துன்புற்றாலும் உழவுத் தொழிலே சிறந்தது.

**Howe'er they roam, the world must follow still the plougher's
team; Though toilsome, culture of the ground as noblest toil
esteem**

Explanation: Agriculture, though laborious, is the most excellent (form of labour); for people, though they go about (in search of various employments), have at last to resort to the farmer

India's Agricultural Crop Production **Analysis 1997-2021**



Introduction of Tableau Desktop

Tableau is a powerful tool used for data analysis and visualization.

It allows the creation of amazing and interactive visualization.

And that too without coding. It provides some special kind of features.

The special features are Cleaning, Organizing and Visualizing data.

Key features of tableau

- * Tableau Dashboard
- * Collaboration and Sharing
- * Live and In-memory Data
- * Data sources
- * Robust Security
- * Mobile View

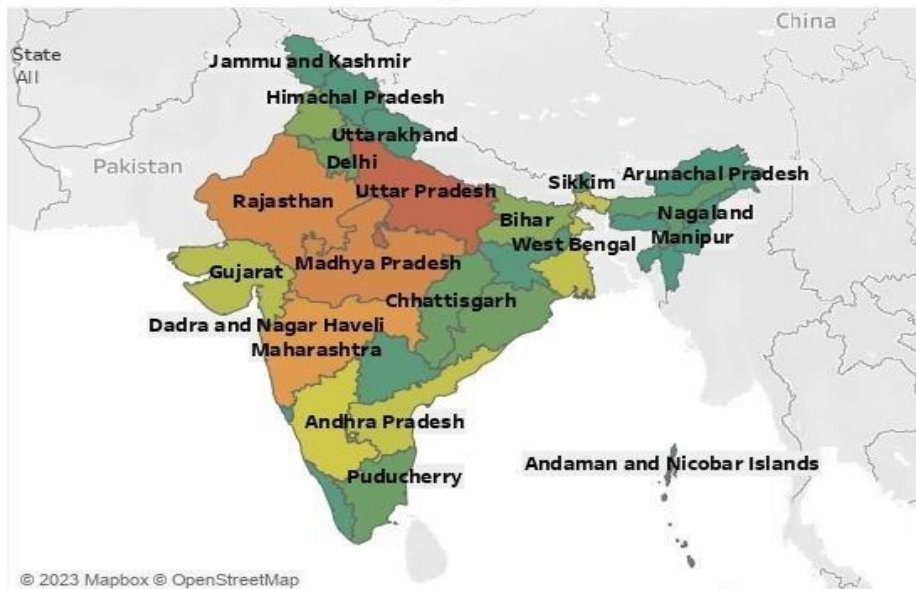


Dashboard 1

Area in acres region wise

West	South	North-East	North	East
1,29,02,79,788	68,49,17,957	11,20,31,931	1,58,10,90,141	47,43,60,856

Statewise Agricultural Land



Area vs Production

State	Area	Sum of Production
Uttar Pradesh	542,672,635	442,585,306
Madhya Pradesh	492,087,994	324,851,676
Rajasthan	486,453,365	589,164,332
Maharashtra	461,939,552	1,878,564,918
Karnataka	257,907,399	63,772,797,345
Andhra Pradesh	238,925,335	26,076,218,605
Gujarat	222,434,333	807,581,678
Bihar	167,995,431	544,953,533
Punjab	162,040,200	781,551,409
Haryana	131,506,994	589,739,640
	Area	Sum of Production

An aerial photograph of a vast, lush green agricultural field. A tractor is visible in the distance, moving along a straight path and spraying a fine mist of liquid across the crops. The sun is low on the horizon to the right, casting a warm, golden glow over the entire scene. The text "Dashboard 2" is centered in the lower half of the image in a white, serif font.

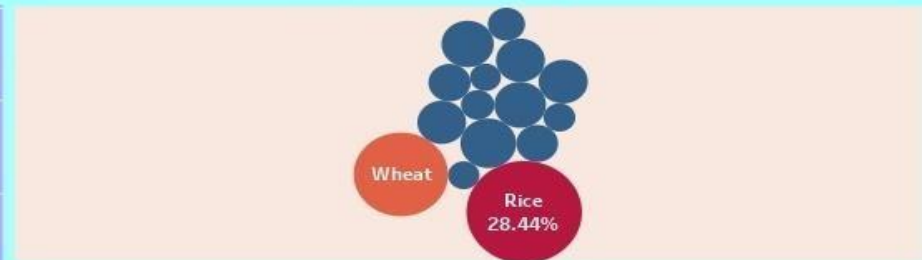
Dashboard 2

Production in tonnes region-wise	
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East

47,43,60,856

Crop Plantation by Area



Other Cereals Oil seeds total
 Other Summer Pulses Coconut Mustard
 Sesamum Arhar/Tur Moong (Green Gram) Urad Rapeseed & Mustard
 Khesari Other Rabi pulses Sugar cane Sweet potato Horse gram Castor seed Groundnut Garlic
 Guar seed Small millets Potato Wheat Gram Cowpea (Lobia) Cashew nut Cotton (lint) Black pepper
 Soyabean Jute Banana Barley Cardamom Tapioca Safflower Ragi Areca nut
 Match Bajra Jowar Dry chillies Turmeric Masoor Tobacco Ginger Sunflower
 Linseed Other Kharif pulses Niger seed Rice Onion Peas & beans (Pulses) Coriander Maize
 Sannhamp Other Cereals Oil seeds total Coconut Mustard
 Other Summer Pulses Dry Ginger other oil seeds
 Mustard Sesamum Arhar/Tur Moong (Green Gram) Urad Rapeseed & Mustard
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 Sannhamp Other Cereals Oil seeds total Coconut Mustard
 Other Summer Pulses Dry Ginger other oil seeds

Dashboard 3

Season
Winter

Yield by season



Story sheet 1



Story 1

Agricultural lands and their production in India in Acres

Crop yield by seasons

Major crops and their production in season wise

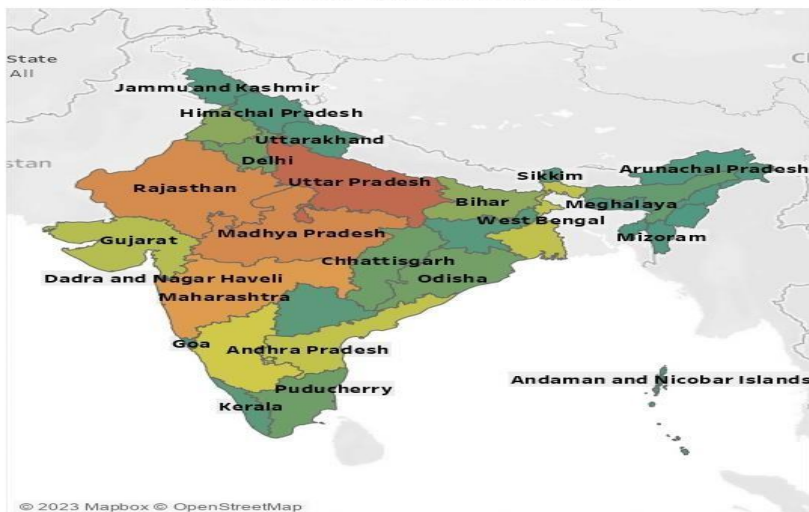
Crop plantation by area

Crops - Plantation by count

Area in acres region wise

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	Area	Sum of Production



Story sheet 2

Story 1

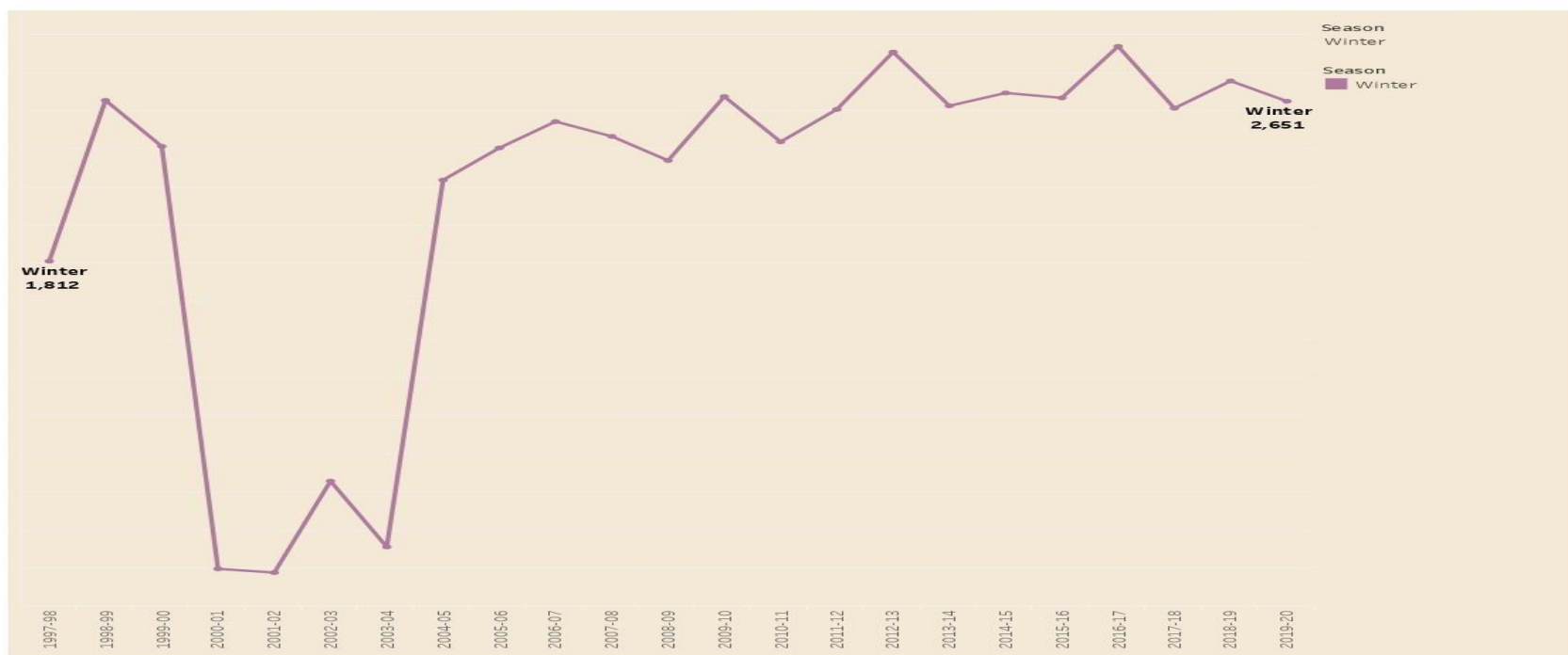
Agricultural lands and their production in India in Acres

Crop yield by seasons

Major crops and their production in season wise

Crop plantation by area

Crops - Plantation by count



Story sheet 3

Story 1

Agricultural lands and their production in India in Acres

Crop yield by seasons

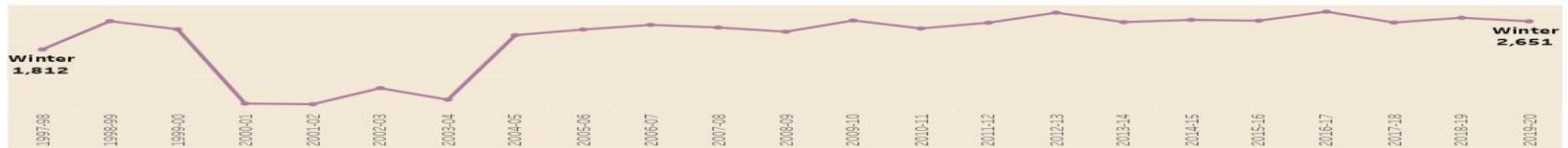
Major crops and their production in season wise

Crop plantation by area

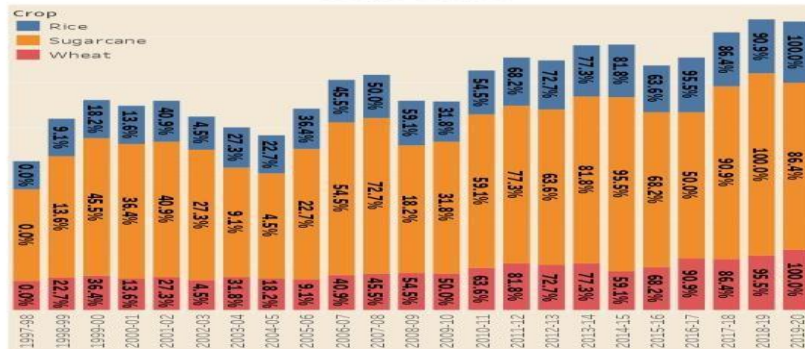
Crops - Plantation by count

Season
Winter

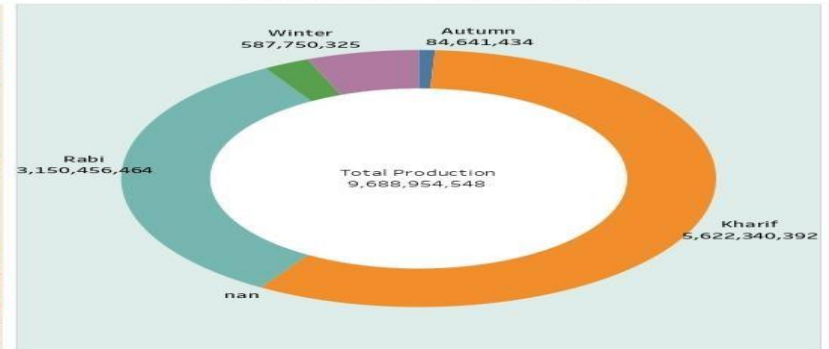
Yield by season



Major Crops



Season wise Production

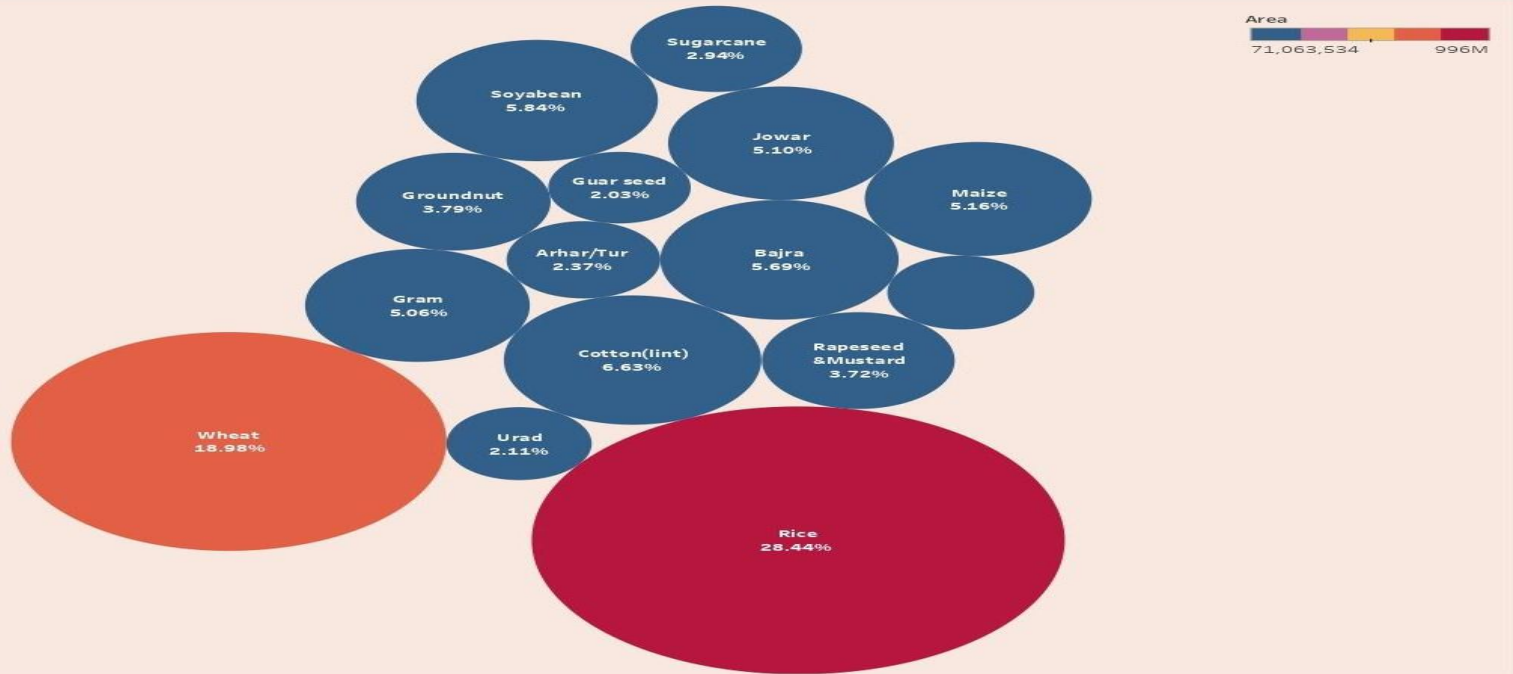


Story sheet 4



Story 1

Agricultural lands and their production in India in Acres	Crop yield by seasons	Major crops and their production in season wise	Crop plantation by area	Crops - Plantation by count
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Story sheet 5



Story 1



Public Tableau Link

<https://public.tableau.com/app/profile/dinesh.m.s./vizzes>



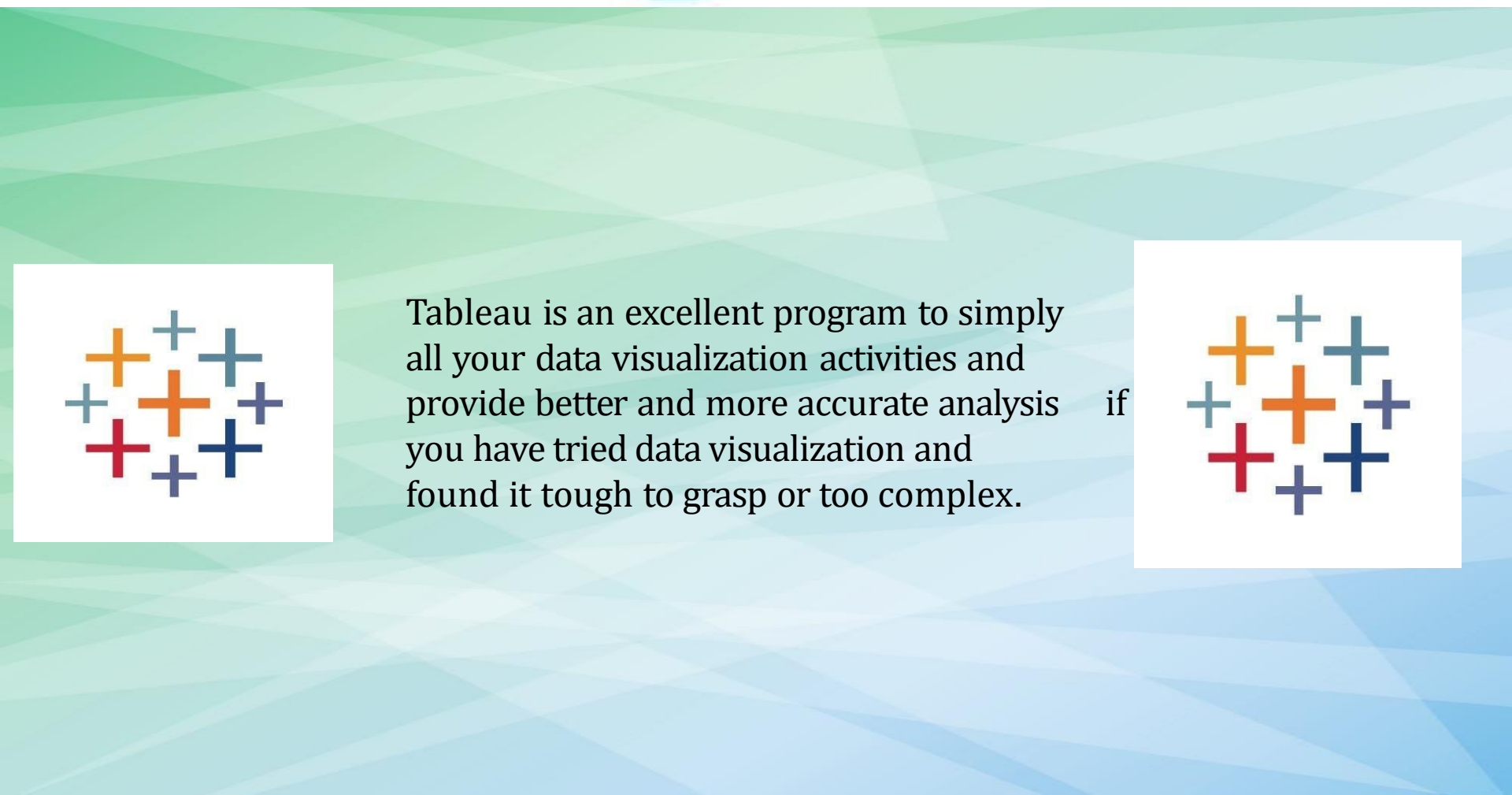


Tableau is an excellent program to simply all your data visualization activities and provide better and more accurate analysis if you have tried data visualization and found it tough to grasp or too complex.

