

BACHELOR OF SCIENCE IN MATHEMATICS



THANGAVEL WOMEN'S ARTS AND SCIENCE COLLEGE

DEPARTMENT OF MATHEMATICS

INDIAN AGRICULTURAL CROP PRODUCTION ANALYSIS (1997-2021)

SUBMITTED BY :

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GUIDED BY

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ASSISTANT PROFESSOR IN MATHEMATICS

File Data Server Window Help



Connections

Add

India Agricult...rop Production
Microsoft Excel

Sheets

p

India Agriculture Crop Producti

New Union

New Table Extension

India Agriculture Crop Producti (India Agriculture Cr...

Connection

☒ Live ☐ Extract

Filters

0 | Add

India Agriculture Crop Pro...



Need more data?

Drag tables here to relate them. [Learn more](#)

India Agriculture Crop Pro... 10 fields 345407 rows

100 rows

Name

India Agriculture Crop Producti

Fields

Type	Field Name	Physical Table	Rem...
	State	India Agriculture Cr...	State
Abc	District	India Agriculture Cr...	District
Abc	Crop	India Agriculture Cr...	Crop

	Abc	Abc	Abc	Abc
India Agriculture Crop Prod...	India Agriculture Crop Prod...	India Agriculture Crop Prod...	India Agriculture Crop Prod...	India Agriculture Crop Prod...
State	District	Crop	Year	Season
Maharashtra	AHMEDNAGAR	Groundnut	2004-05	Kharif
Maharashtra	AHMEDNAGAR	Groundnut	2004-05	Summer
Maharashtra	AHMEDNAGAR	Groundnut	2005-06	Kharif
Maharashtra	AHMEDNAGAR	Groundnut	2005-06	Summer
Maharashtra	AHMEDNAGAR	Groundnut	2006-07	Kharif
Maharashtra	AHMEDNAGAR	Groundnut	2006-07	Summer

Go to Worksheet

Data Source

Sheet 1

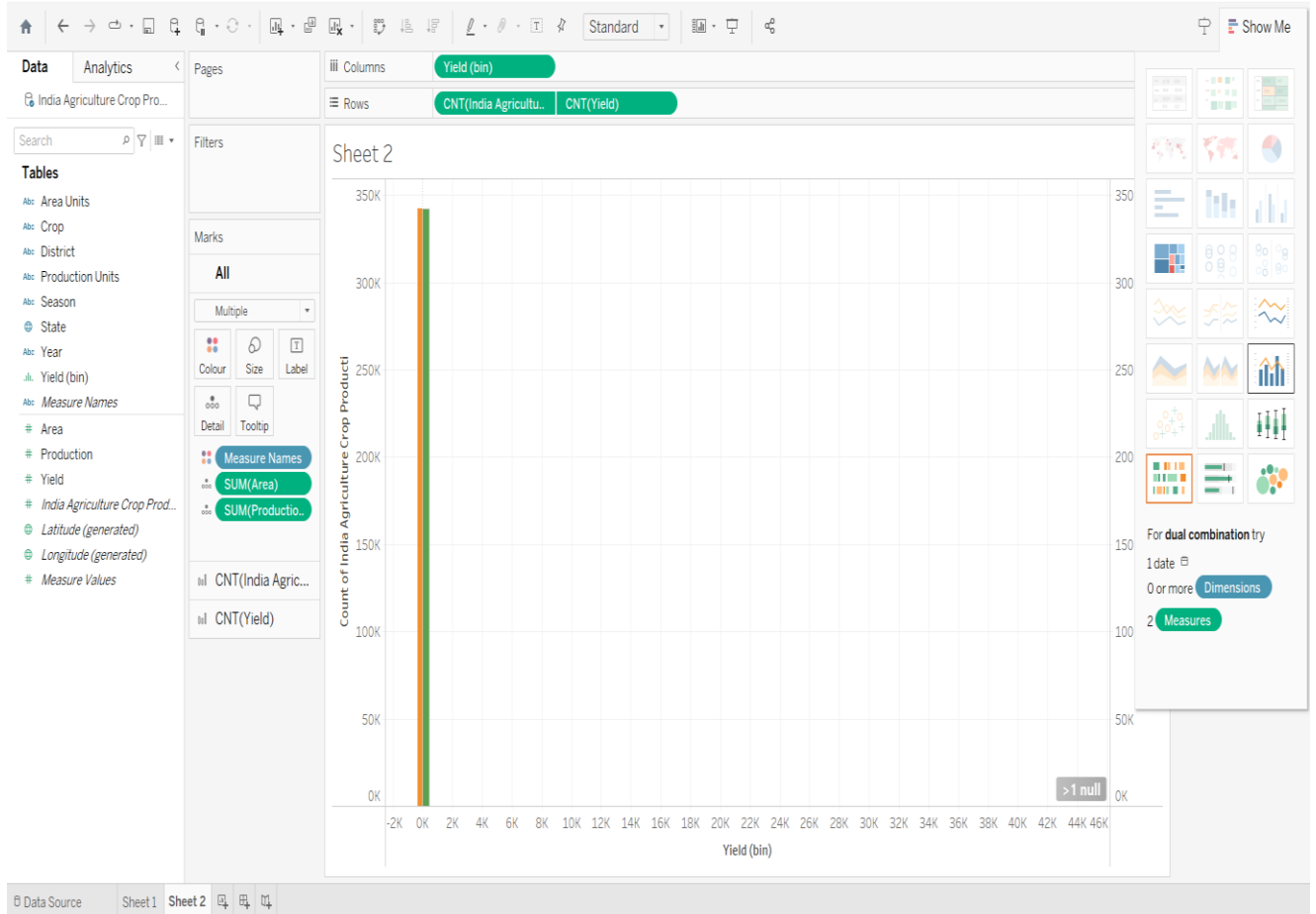


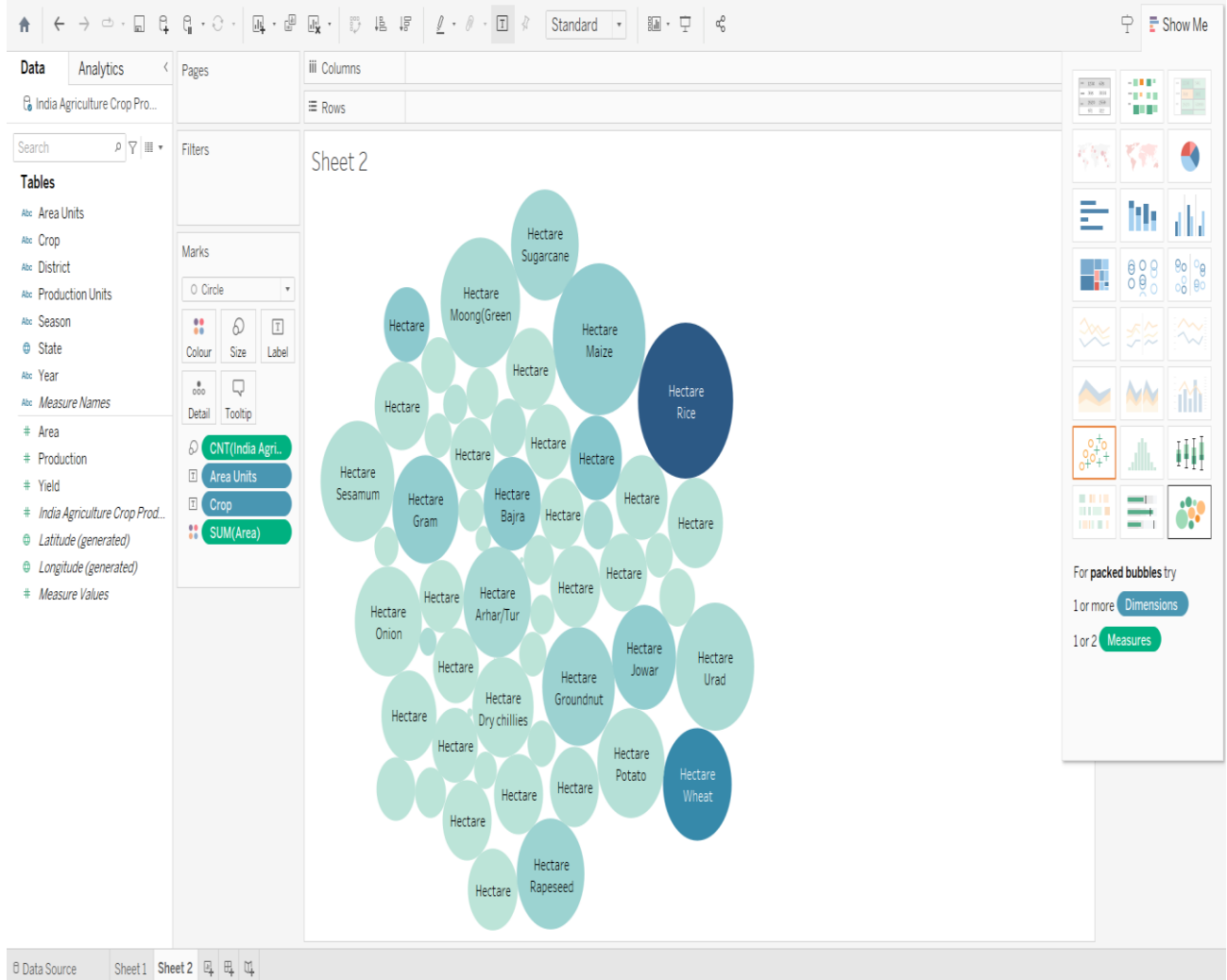
Tableau interface showing a worksheet titled "Sheet 2" displaying a table of agricultural data. The table has two columns: "Area Units Hectare" and "Crop". The data is sorted by "Area Units Hectare" in descending order.

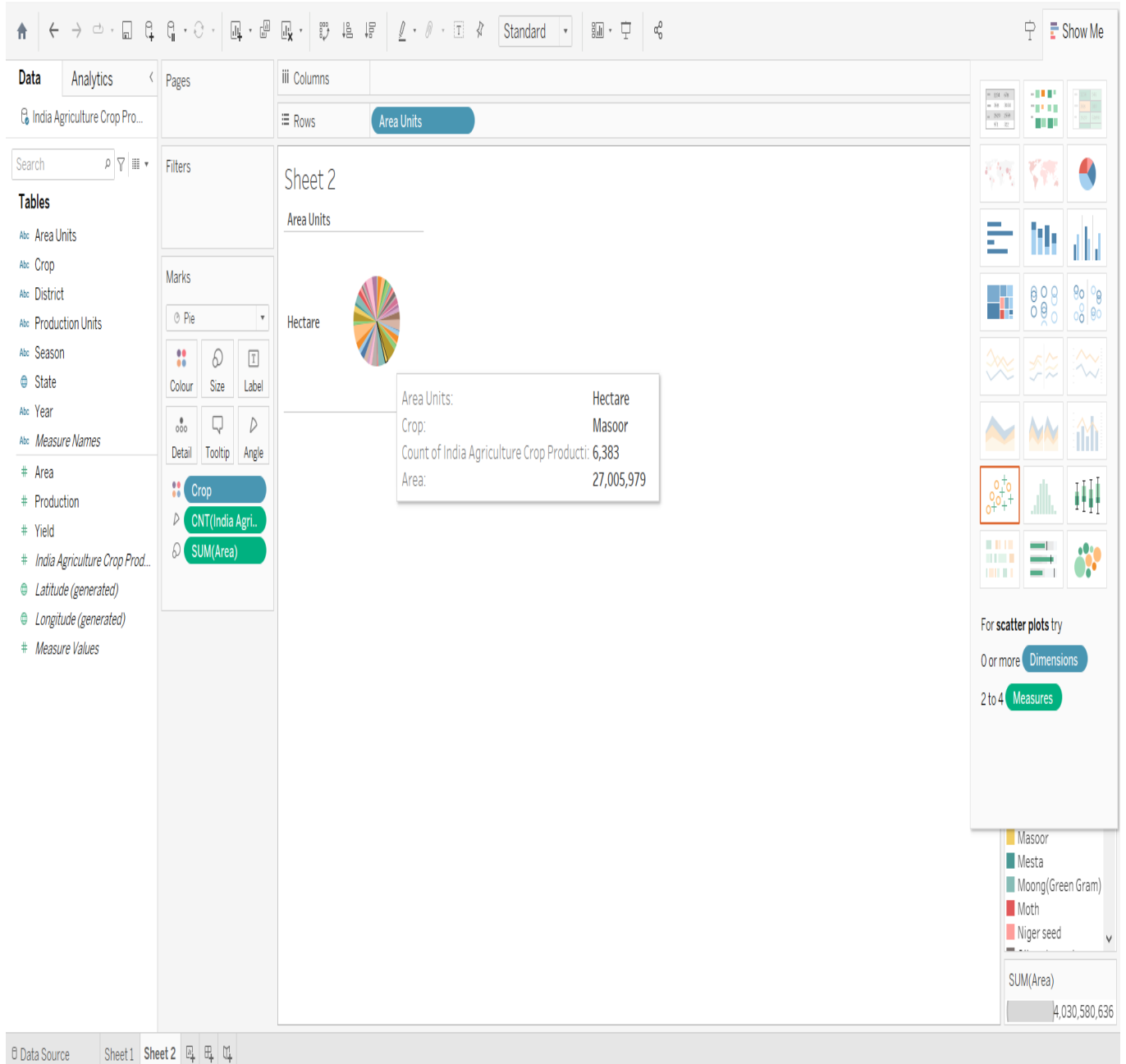
The table content is as follows:

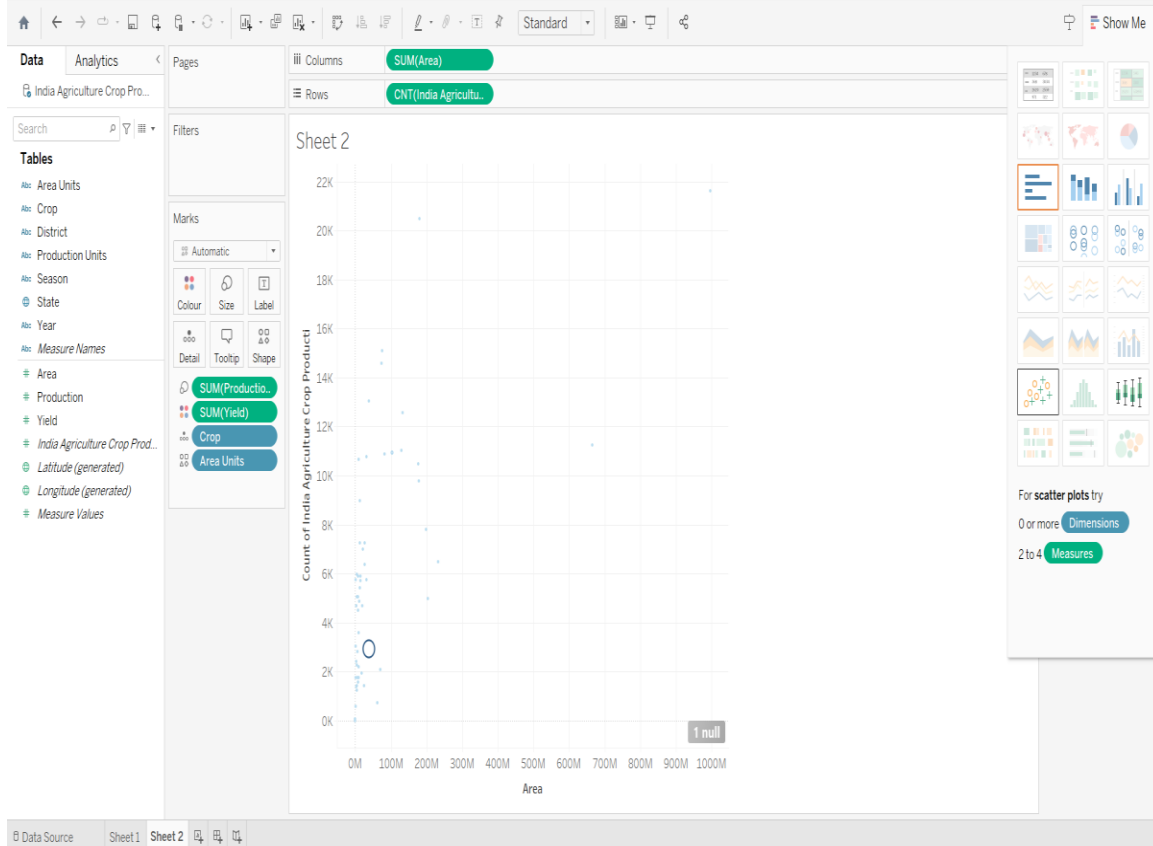
Area Units Hectare	Crop
32	Null
2,192	Areca nut
10,835	Arhar/Tur
7,796	Bajra
4,509	Banana
5,891	Barley
1,417	Black pepper
575	Cardamom
1,573	Cashewnut
4,681	Castor seed
2,927	Coconut
5,037	Coriander
6,475	Cotton(lint)
1,761	Cowpea(Lobia)
8,971	Dry chillies
3	Dry Ginger
5,032	Garlic
4,686	Ginger
10,474	Gram
12,586	Groundnut
2,088	Guar seed
5,424	Horse-gram
9,769	Jowar
1,913	Jute
1,759	Khesari
5,892	Linseed
20,507	Maize
6,383	Masoor
2,406	Mesta
15,101	Moong(Green Gram)
1,408	Moth
2,792	Niger seed
702	Oilseeds total

The interface includes a sidebar with "Tables" and "Measures" sections. The "Tables" section lists fields like Area Units, Crop, District, Production Units, Season, State, Year, and Measure Names. The "Measures" section lists fields like Area, Production, Yield, India Agriculture Crop Prod..., Latitude (generated), Longitude (generated), and Measure Values. The "Marks" card shows "Square" as the mark type. The "Columns" shelf contains "Area Units" and "Crop". The "Rows" shelf is empty. The "Detail" and "Tooltip" cards are also visible.

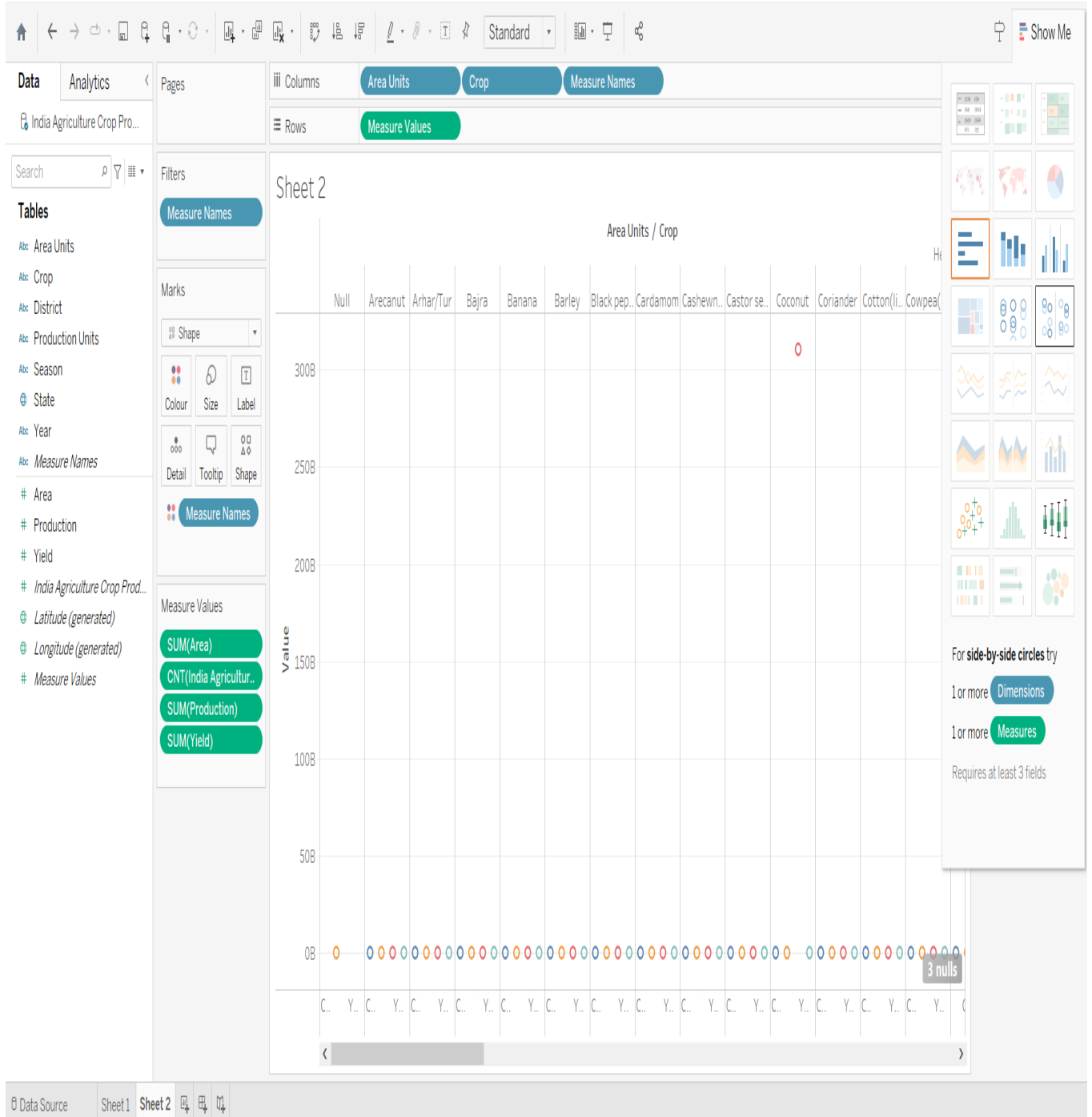
For highlight tables try
1 or more Dimensions
1 Measure

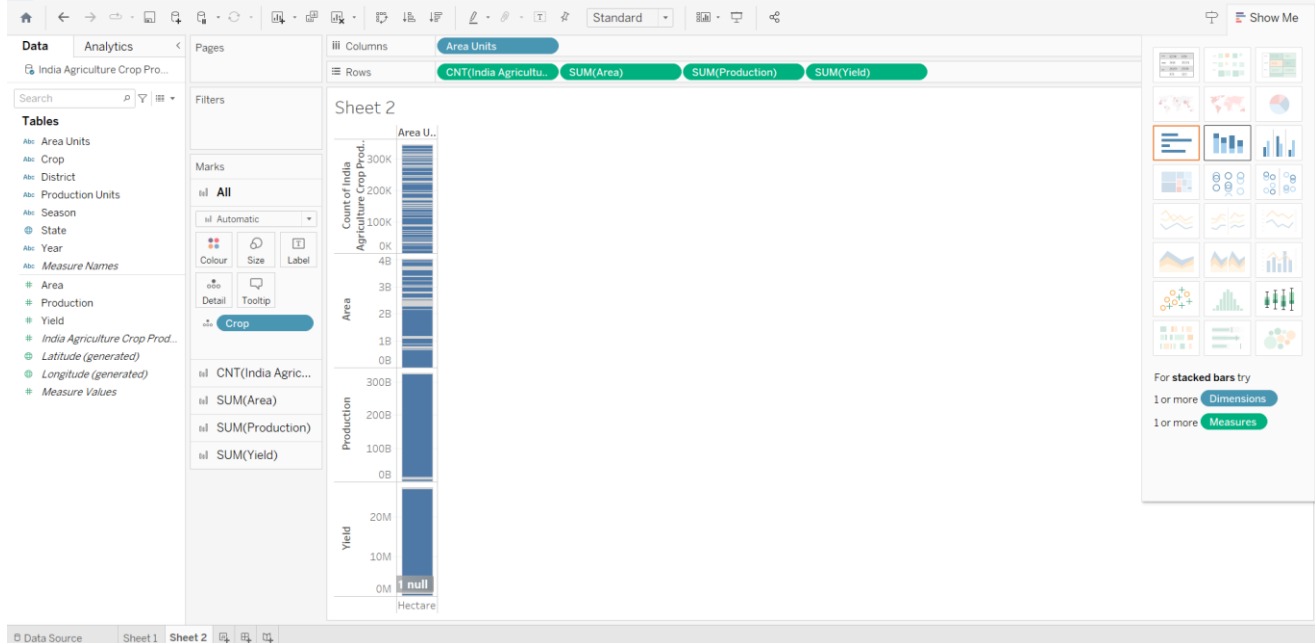
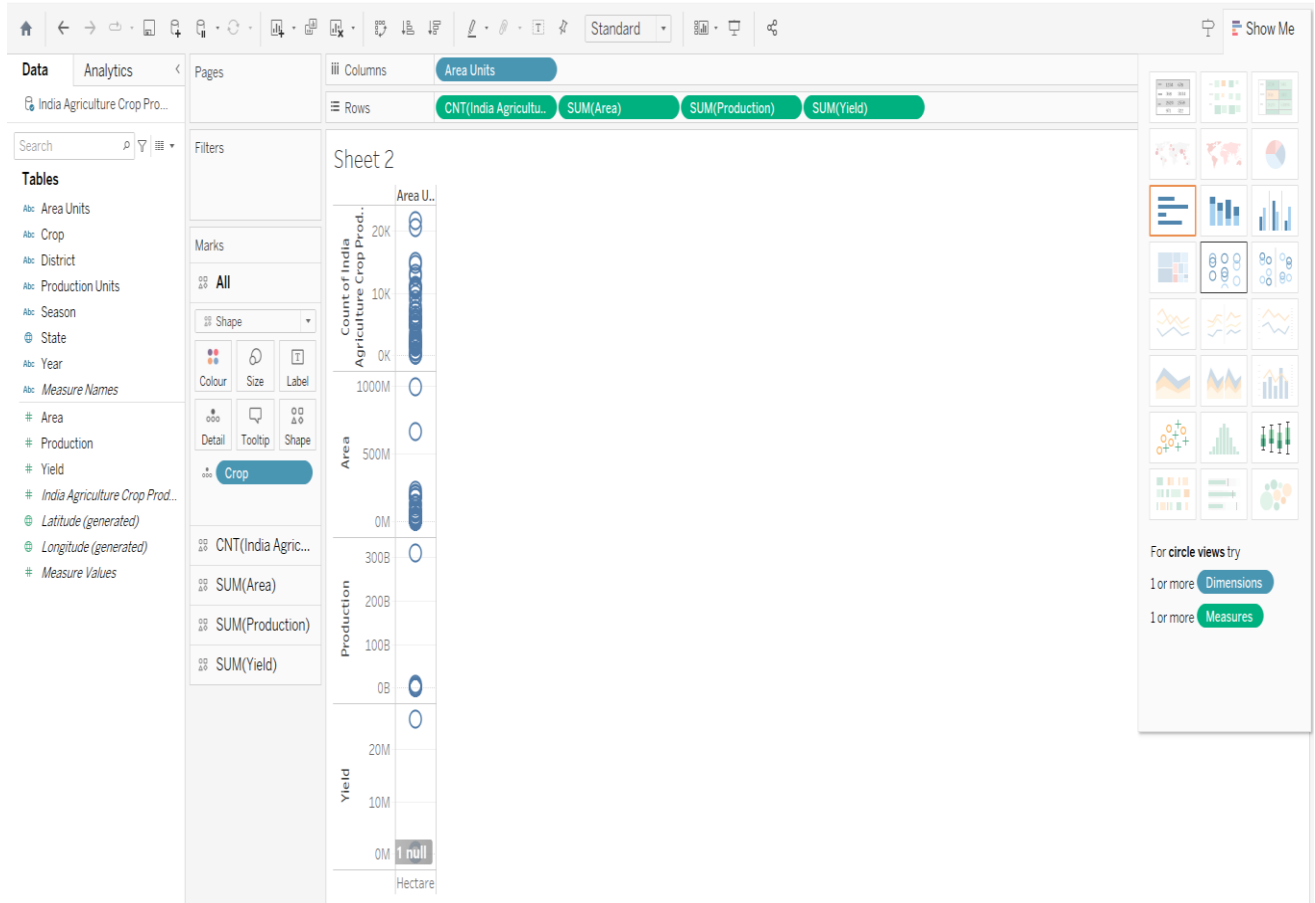


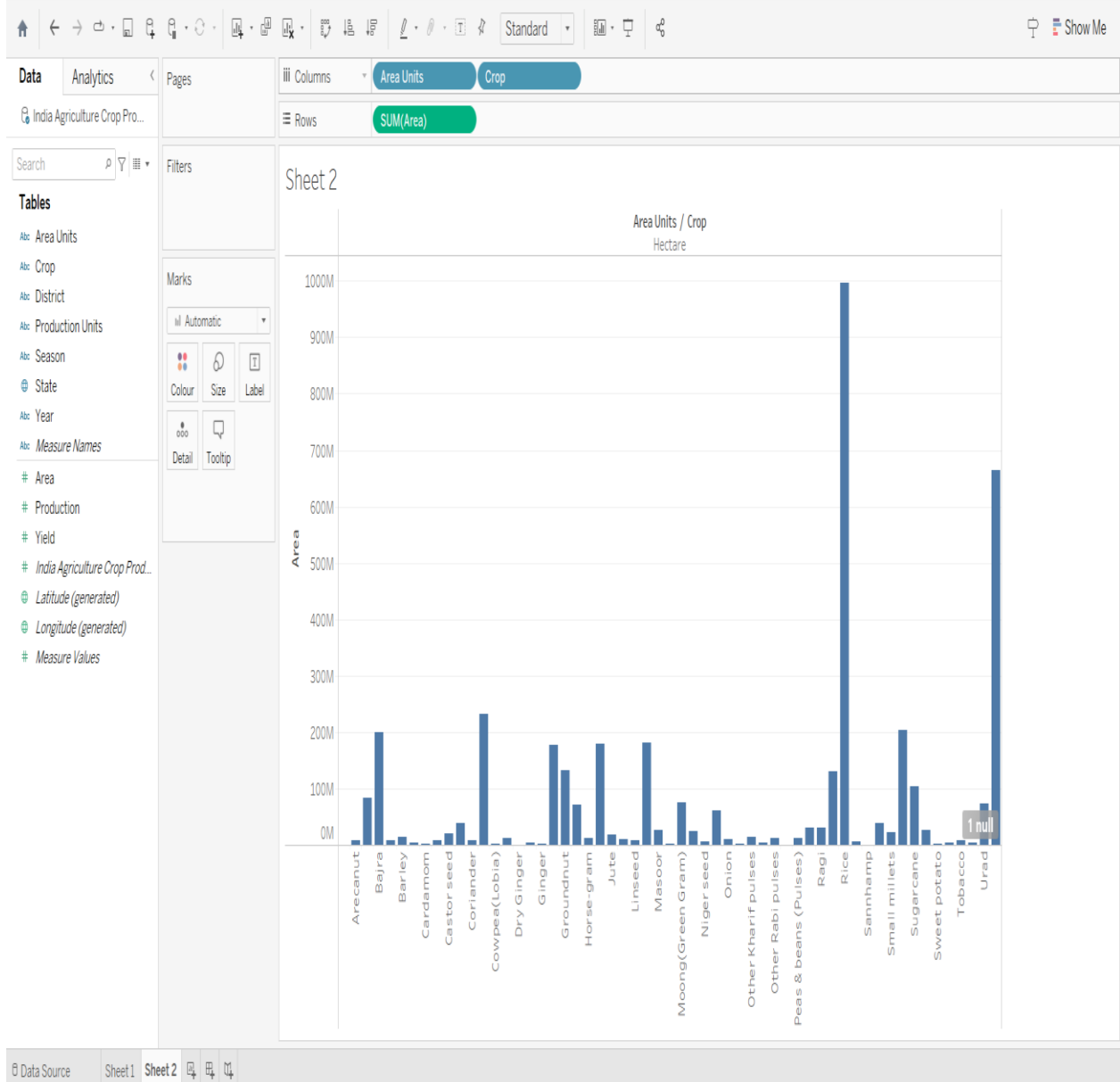


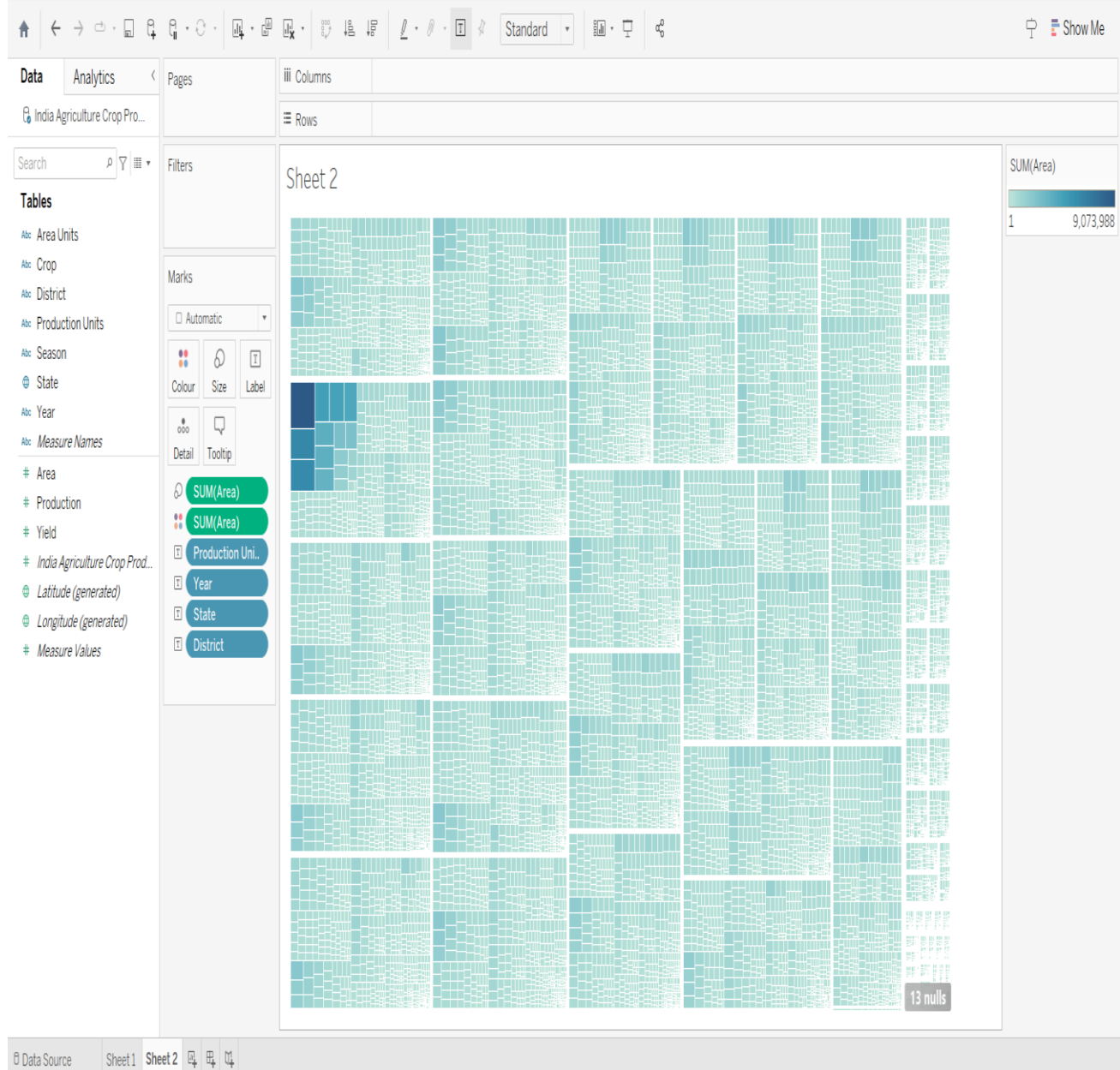


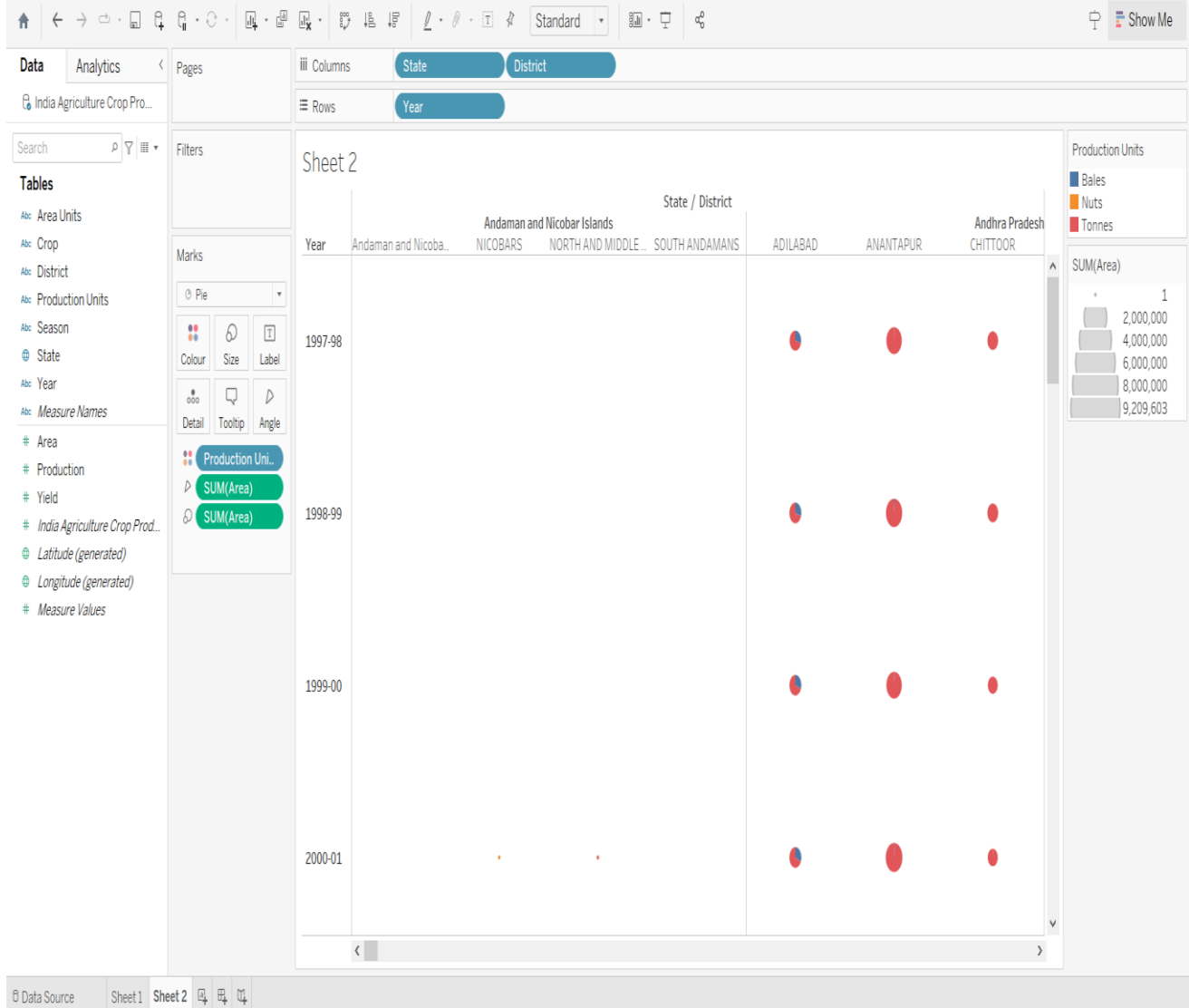
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help



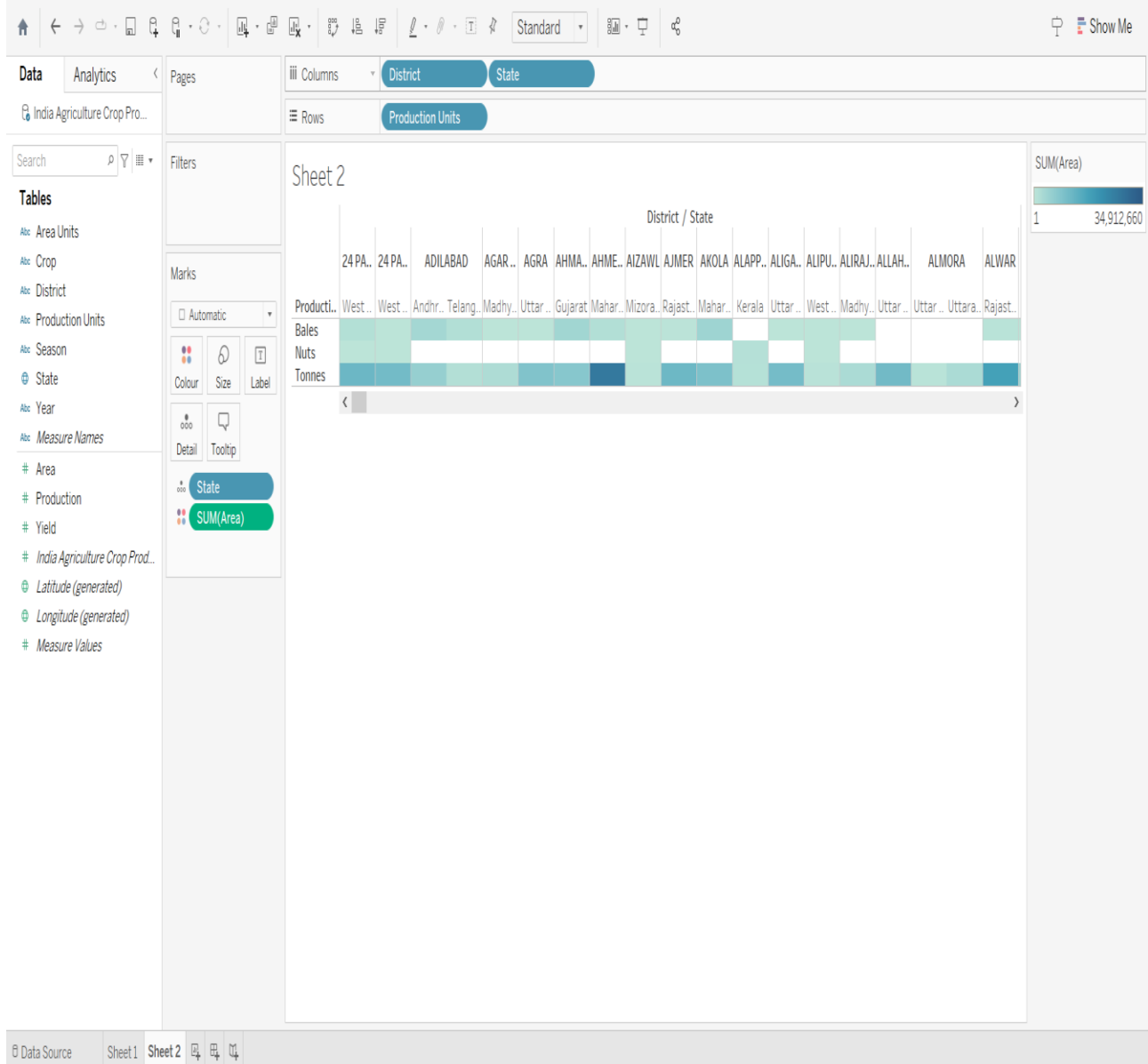








☐ Data Source
 ☐ Sheet 1
 ☐ Sheet 2
 ☐
☐



Home

Back

Forward

Refresh

Print

Export

Import

Save

Undo

Redo

Find

Filter

Standard

Fullscreen

Help

Show Me

Data

Analytics

India Agriculture Crop Pro...

Search

▼

Tables

Area Units

Crop

District

Production Units

Season

State

Year

Measure Names

Area

Production

Yield

India Agriculture Crop Prod...

Latitude (generated)

Longitude (generated)

Measure Values

Columns

District

Rows

Production Units

Filters

Marks

Automatic

Colour

Size

Label

Detail

Tooltip

State

SUM(Area)

Sheet 2

District

Production Units

Bales

Nuts

Tonnes

SUM(Area)

1

34,912,660

Data Source

Sheet 1

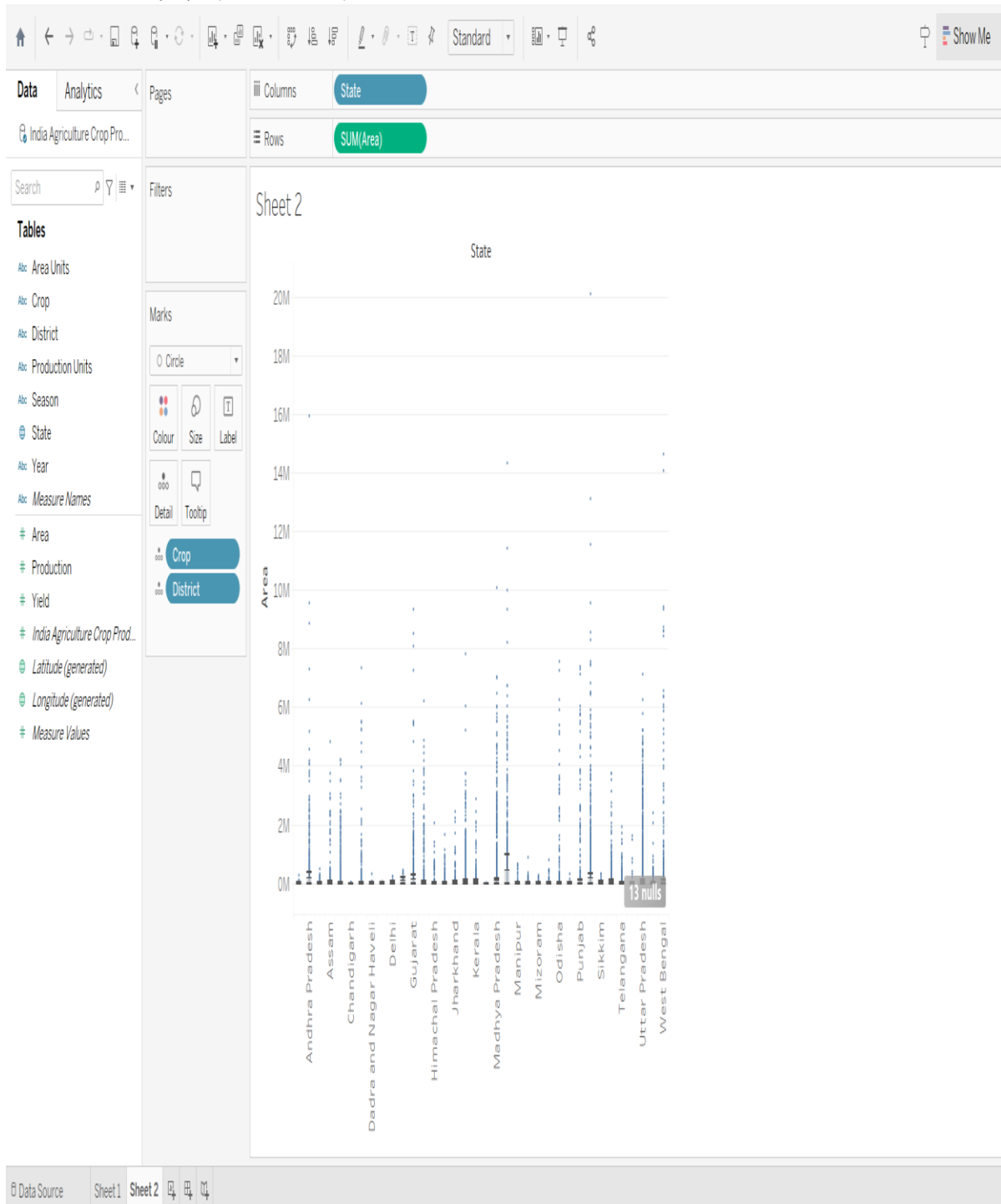
Sheet 2

Map

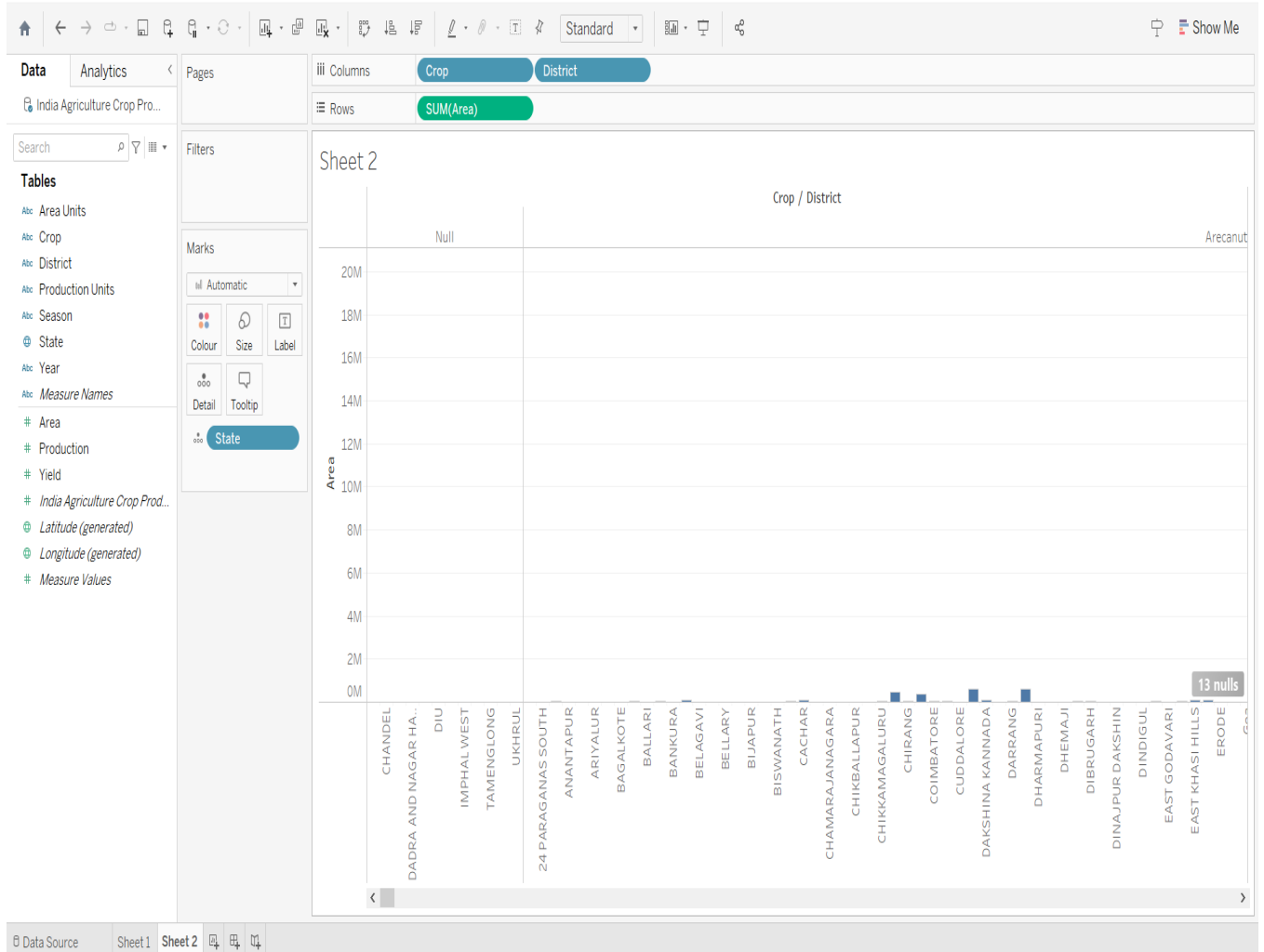
Table

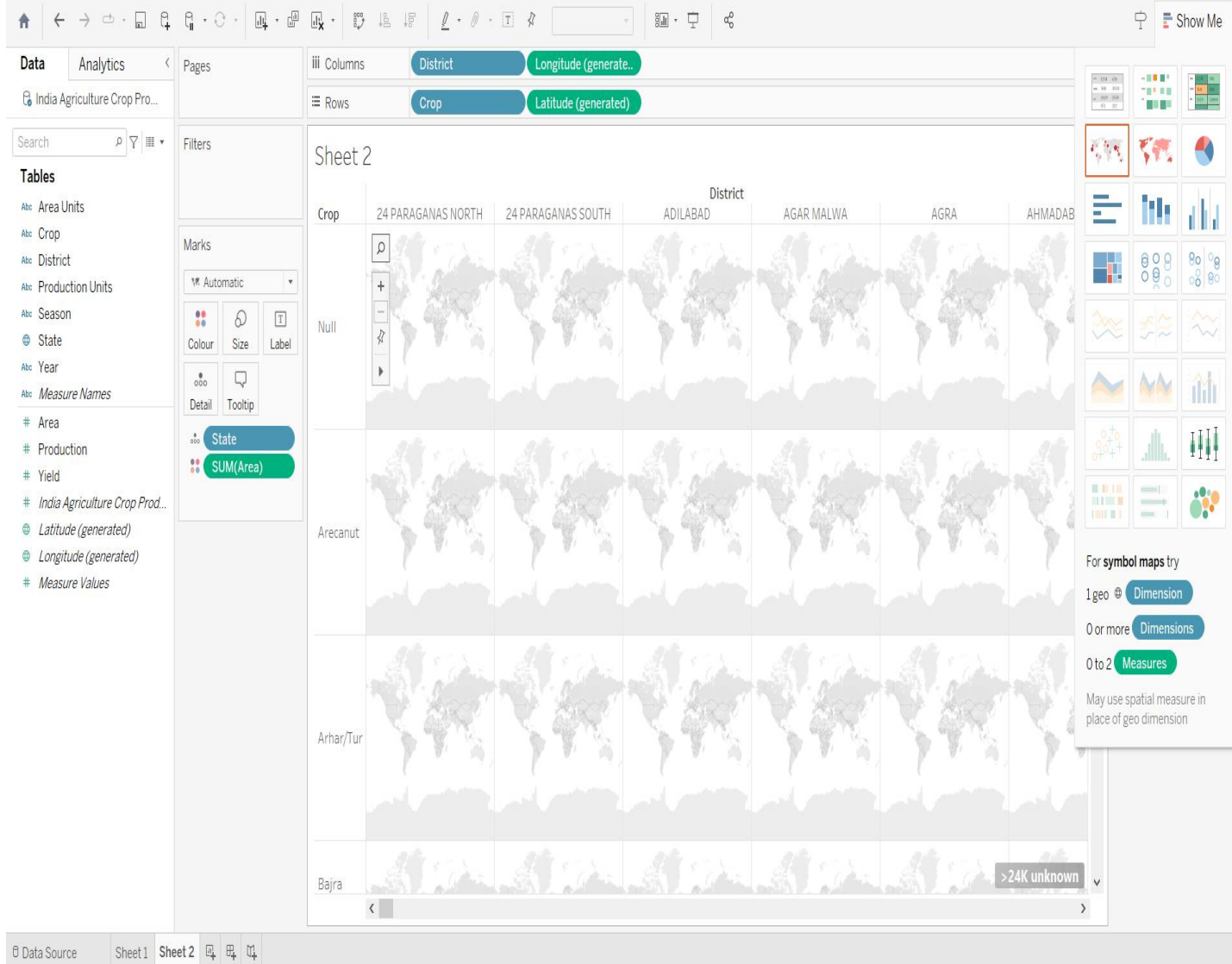
Grid

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help



0 Data Source
Sheet 1
Sheet 2





File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Home Back Forward Refresh Sort Filter Show Me

Analytics < Pages

India Agriculture Crop Pro...

Columns

Rows State

Search

Filters

Tables

- Area Units
- Crop
- District
- Production Units
- Season
- State
- Year
- Measure Names
- Area
- Production
- Yield
- India Agriculture Crop Prod...
- Latitude (generated)
- Longitude (generated)
- Measure Values

Marks

Square

Colour Size Label

Detail Tooltip

SUM(Area)

SUM(Area)

Sheet 2

State

Andaman and Nicob..	840,598
Andhra Pradesh	238,925,335
Arunachal Pradesh	5,725,531
Assam	77,342,600
Bihar	167,995,431
Chandigarh	17,960
Chhattisgarh	110,536,194
Dadra and Nagar Ha..	476,492
Daman and Diu	47,796
Delhi	797,903
Goa	2,750,901
Gujarat	222,434,333
Haryana	131,506,994
Himachal Pradesh	17,810,208
Jammu and Kashmir	18,888,028
Jharkhand	30,435,527
Karnataka	257,907,399
Kerala	36,391,060
Laddakh	273
Madhya Pradesh	492,087,994
Maharashtra	461,939,552
Manipur	5,727,639
Meghalaya	5,178,776
Mizoram	1,542,541
Nagaland	8,426,732
Odisha	124,646,660
Puducherry	653,541
Punjab	162,040,200
Rajasthan	486,453,365
Sikkim	1,759,399
Tamil Nadu	110,373,866
Telangana	39,814,489
Tripura	6,278,528

For symbol maps try

1 geo Dimension

0 or more Dimensions

0 to 2 Measures

May use spatial measure in place of geo dimension

The screenshot shows the Tableau Desktop interface. The top menu bar includes File, Data, Worksheet, Dashboard, Story, Analysis, Map, Format, Server, Window, and Help. The top toolbar contains various icons for navigation and editing. The main workspace is titled 'Sheet 2' and displays a map of India with state-level data. The 'Columns' shelf is empty, and the 'Rows' shelf contains the 'State' dimension. The 'Marks' shelf contains the 'SUM(Area)' measure. The 'Filters' shelf is empty. The 'Marks' card shows 'Automatic' as the mark type, with 'Colour', 'Size', and 'Label' options. The 'Detail' and 'Tooltip' cards are also visible. The 'Columns' shelf is empty, and the 'Rows' shelf contains the 'State' dimension. The 'Marks' shelf contains the 'SUM(Area)' measure. The 'Filters' shelf is empty. The 'Marks' card shows 'Automatic' as the mark type, with 'Colour', 'Size', and 'Label' options. The 'Detail' and 'Tooltip' cards are also visible. The 'Columns' shelf is empty, and the 'Rows' shelf contains the 'State' dimension. The 'Marks' shelf contains the 'SUM(Area)' measure. The 'Filters' shelf is empty. The 'Marks' card shows 'Automatic' as the mark type, with 'Colour', 'Size', and 'Label' options. The 'Detail' and 'Tooltip' cards are also visible.

Data Analytics < Pages

India Agriculture Crop Pro...

Search

Tables

- Area Units
- Crop
- District
- Production Units
- Season
- State
- Year
- Measure Names
- Area
- Production
- Yield
- India Agriculture Crop Prod...
- Latitude (generated)
- Longitude (generated)
- Measure Values

Columns

Rows State

Sheet 2

State

- Andaman and Nicob...
- Andhra Pradesh
- Arunachal Pradesh
- Assam
- Bihar
- Chandigarh
- Chhattisgarh
- Dadra and Nagar Ha...
- Daman and Diu
- Delhi
- Goa
- Gujarat
- Haryana
- Himachal Pradesh
- Jammu and Kashmir
- Jharkhand
- Karnataka
- Kerala
- Laddakh
- Madhya Pradesh
- Maharashtra
- Manipur
- Meghalaya
- Mizoram
- Nagaland
- Odisha
- Puducherry
- Punjab
- Rajasthan
- Sikkim
- Tamil Nadu
- Telangana
- Tripura
- Uttar Pradesh
- Uttarakhand

Marks

Automatic

Colour Size Label

Detail Tooltip

SUM(Area)

Visualization Types

- Map
- Bar Chart
- Line Chart
- Table
- Text
- Image
- Tablet
- Mobile
- Dashboard
- Story
- Analysis
- Map
- Format
- Server
- Window
- Help

For symbol maps try

1 geo @ Dimension

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The screenshot shows the Tableau Desktop interface. The top menu bar includes File, Data, Worksheet, Dashboard, Story, Analysis, Map, Format, Server, Window, and Help. Below the menu is a toolbar with various icons for navigation and analysis. The main workspace is titled 'Sheet 2' and displays a table of data. The table has two columns: 'State' and 'Production Units'. The data is sorted by 'Production Units' in descending order. The table lists 29 states and union territories, including Andaman and Nicob., Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chandigarh, Chhattisgarh, Dadra and Nagar Ha., Daman and Diu, Delhi, Goa, Gujarat, Haryana, Himachal Pradesh, Jammu and Kashmir, Jharkhand, Karnataka, Kerala, Laddakh, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Puducherry, Punjab, Rajasthan, Sikkim, Tamil Nadu, Telangana, and Tripura. The 'Production Units' column shows values ranging from 273 to 840,598. The left sidebar contains a 'Data' pane with a search bar and a list of tables. The 'Marks' pane shows 'SUM(Area)' as the selected measure. The right sidebar contains a 'Show Me' pane with various visualization options.

Tableau - Book3 - Tableau licence expires in 13 days

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

India Agriculture Crop Pro...

Search

Tables

- Area Units
- Crop
- District
- Production Units
- Season
- State
- Year
- Measure Names
- Area
- Production
- Yield
- India Agriculture Crop Prod...
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Filters

Marks

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Colour Size Text

Detail Tooltip

SUM(Area)

Sheet 2

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Tamil Nadu	110,373,866
Telangana	39,814,489
Tripura	6,278,528

For text tables try

1 or more Dimensions

1 or more Measures

View Data: India Agriculture Crop Producti



Tables



India Agriculture Crop Producti
10,000 rows 10 fields

India Agriculture Cr...

Abc

India Agriculture Crop Prod...

Area Units

Hectare

Hectare

Hectare

Hectare

Hectare

Hectare

Hectare

Hectare

Hectare

Hectare

Abc

India Agriculture Crop Prod...

Crop

Gram

Gram

Gram

Gram

Gram

Gram

Gram

Gram

Gram

Gram

Abc

India Agriculture Crop Prod...

District

AMRAVATI

AMRAVATI

AMRAVATI

AURANGABAD

AURANGABAD

AURANGABAD

BEED

BEED

BEED

BHANDARA

Abc

India Agriculture Cro

Production Units

Tonnes

Tonnes

Tonnes

Tonnes

Tonnes

Tonnes

Tonnes

Tonnes

Tonnes

Tonnes

10,000



rows

File Data Server Window Help



Connections

Add

India Agricult...rop Production
Microsoft Excel

Sheets

ρ

India Agriculture Crop Producti

New Union

New Table Extension

India Agriculture Crop Producti (India Agriculture Cr...

Connection

☒ Live ☐ Extract

Filters

0 Add

India Agriculture Crop Pro...



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Drag tables here to relate them. [Learn more](#)

India Agriculture Crop Pro...

10 fields 345407 rows

100

rows



Name

India Agriculture Crop Producti

Fields

Type	Field Name	Physical Table	Rem...
	State	India Agriculture Cr...	State
Abc	District	India Agriculture Cr...	District
Abc	Crop	India Agriculture Cr...	Crop

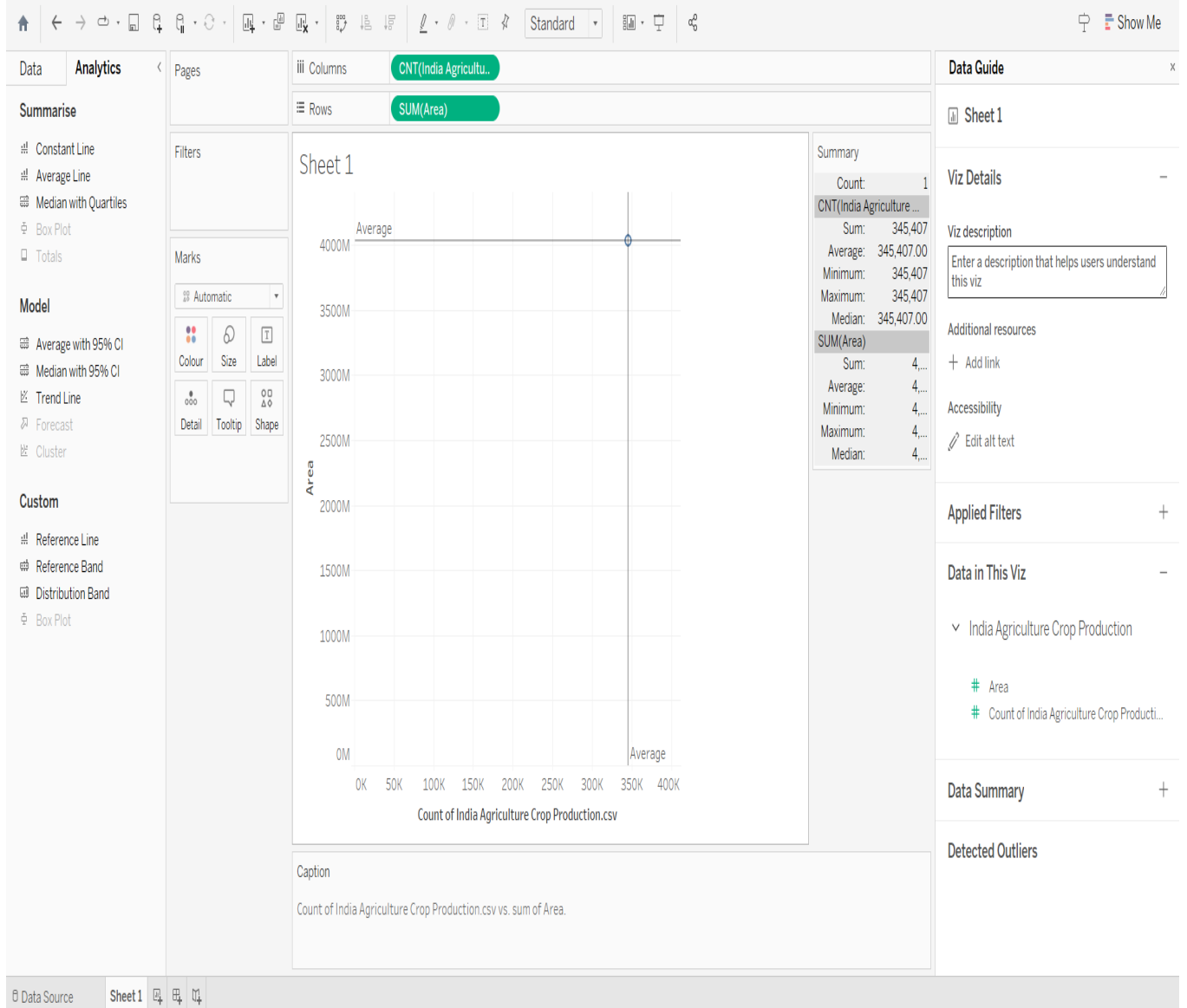
	Abc	Abc	Abc	Abc
India Agriculture Crop Prod...	India Agriculture Crop Prod...	India Agriculture Crop Prod...	India Agriculture Crop Prod...	India Agriculture Crop Prod...
State	District	Crop	Year	Season
Maharashtra	YAVATMAL	Gram	2004-05	Rabi
Maharashtra	YAVATMAL	Gram	2005-06	Rabi
Maharashtra	YAVATMAL	Gram	2006-07	Rabi
Maharashtra	WASHIM	Gram	2004-05	Rabi
Maharashtra	WASHIM	Gram	2005-06	Rabi
Maharashtra	WASHIM	Gram	2006-07	Rabi

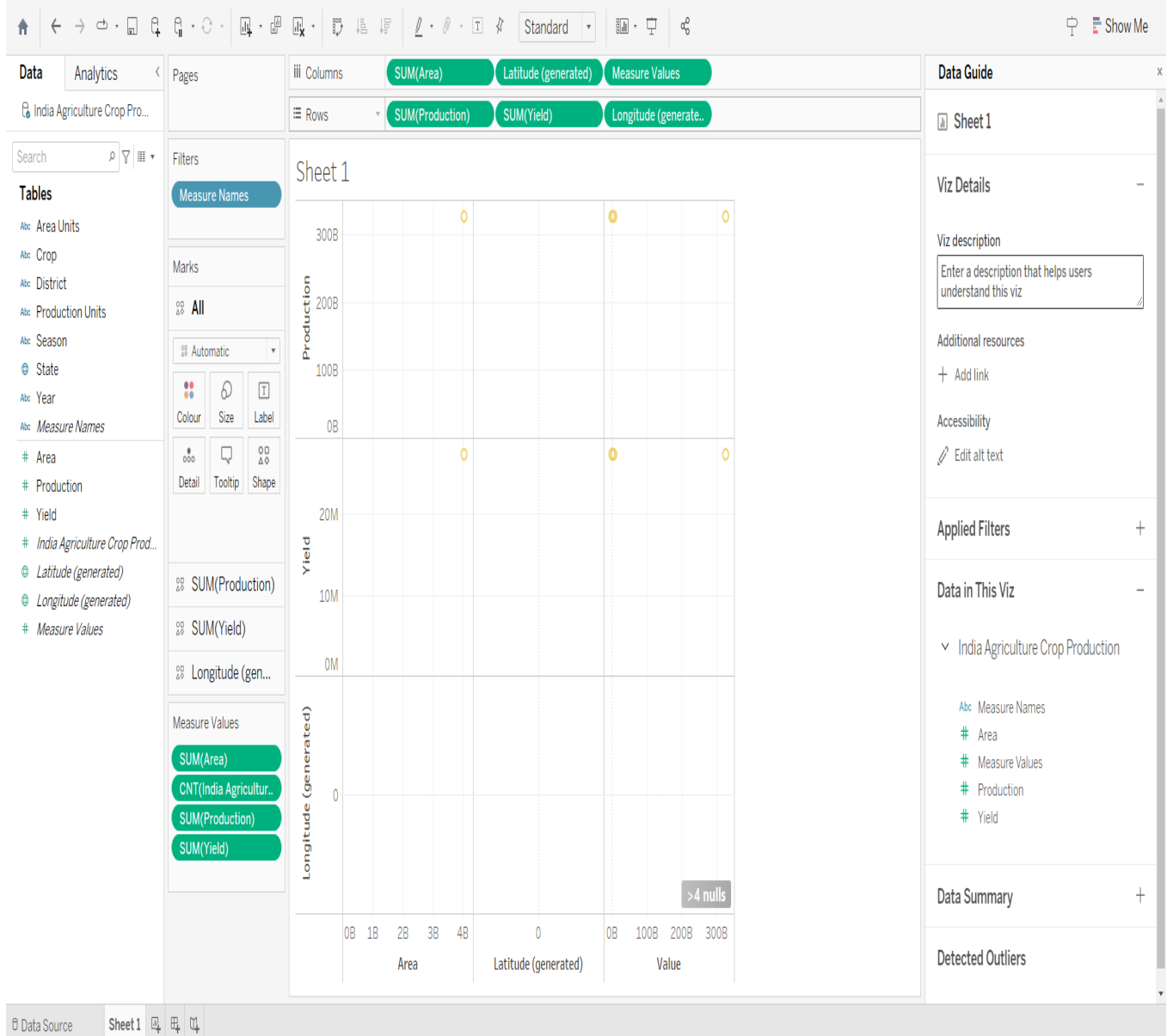
Go to Worksheet

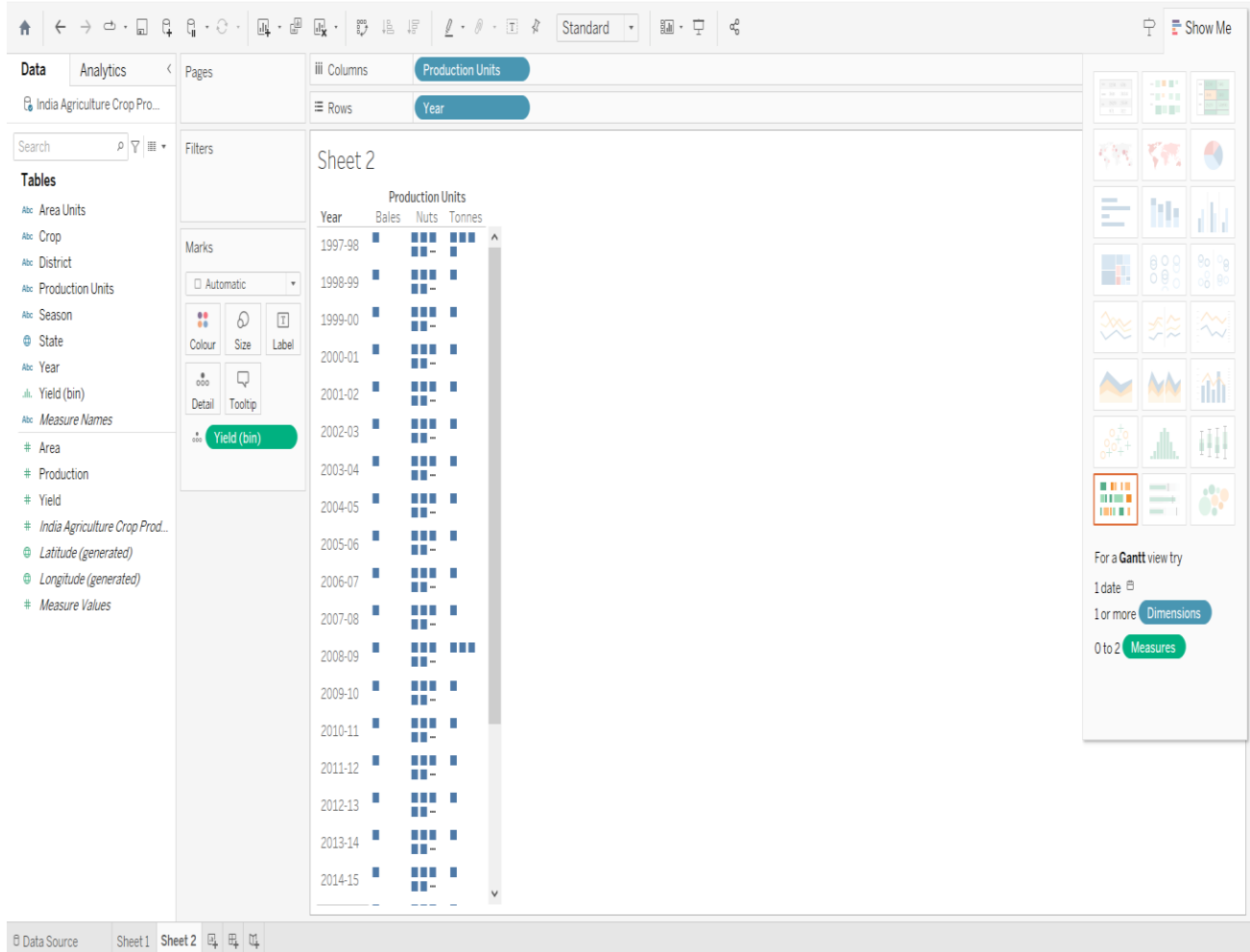
Data Source

Sheet 1









THANK YOU