Food Production And Consumption

DATA VISUALIZATION

Susindar N
CB.SC.I5DAS18037

Objective:

To point out fastest growing countries in terms of food production\consumption and to compare between food and feed consumption across various countries and continents.

---

1)What is the total production and distributions of food across years?

2) What is the total production and distributions of feed across years?

3)Which product holds major place across years across all countries?

4)Which year has the maximum wheat production?

5)Explain the distribution of food items in India in year 2000.

6)As we have a total of 50 years data, create a plot in such a way that it contains 5 decade's, trend on food items.

7)Ratio of food items in countries

8)Comparing Food And Feed stocks by Countries

9) Top Palm oil production countries in year 2010.

10))Difference of food availability by start of 1963 and 2013

Bar chart

Bar chart

Bubble plot

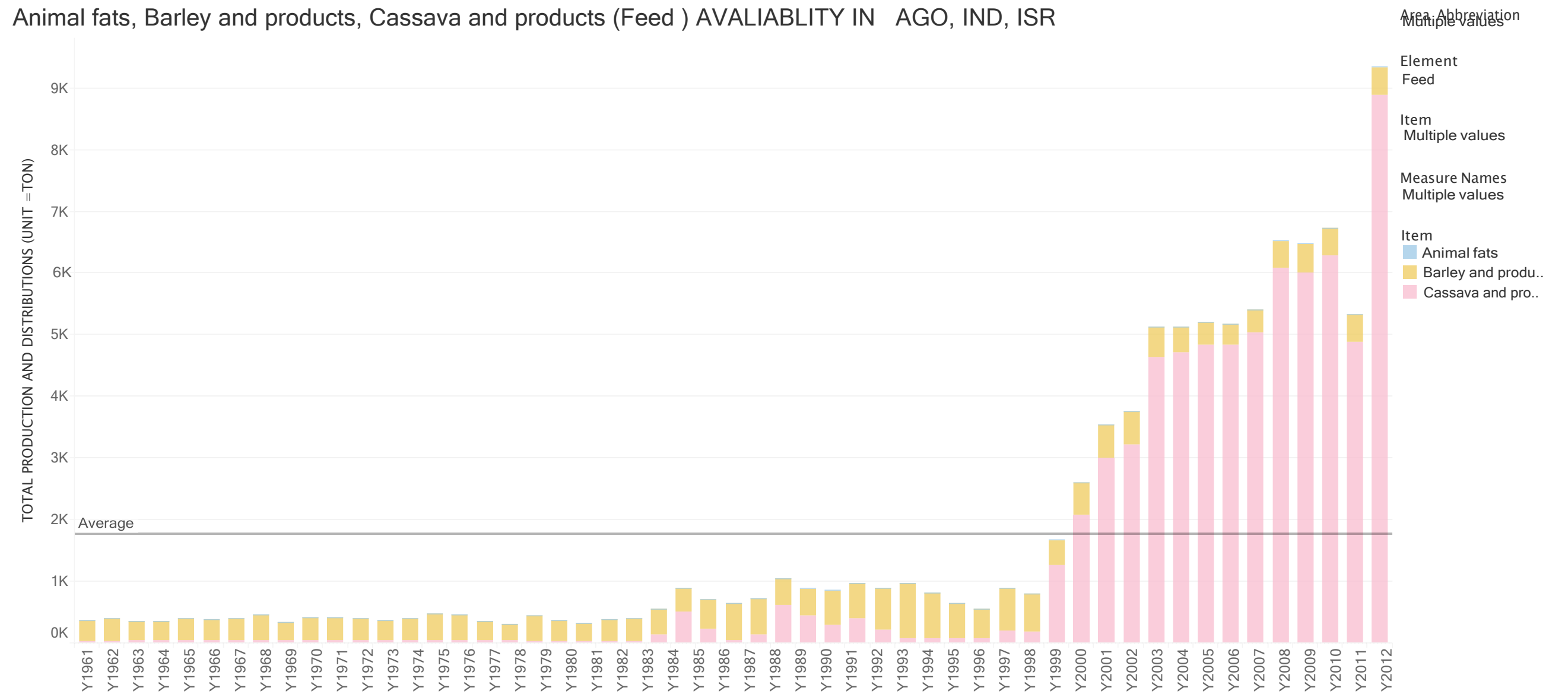Scatter plot

Clustered Bar chart

Parallel Scatter plot

Mosaic plot

Choropleth map

Mixed Plots

Stacked Bar charts

Animal fats, Barley and products, Cassava and products (Feed) AVALIABLITY IN   AGO, IND, ISR

Area.Abbreviation
Multiple values

Element
Feed

Item
 Multiple values

Measure Names
Multiple values

Item
■ Animal fats
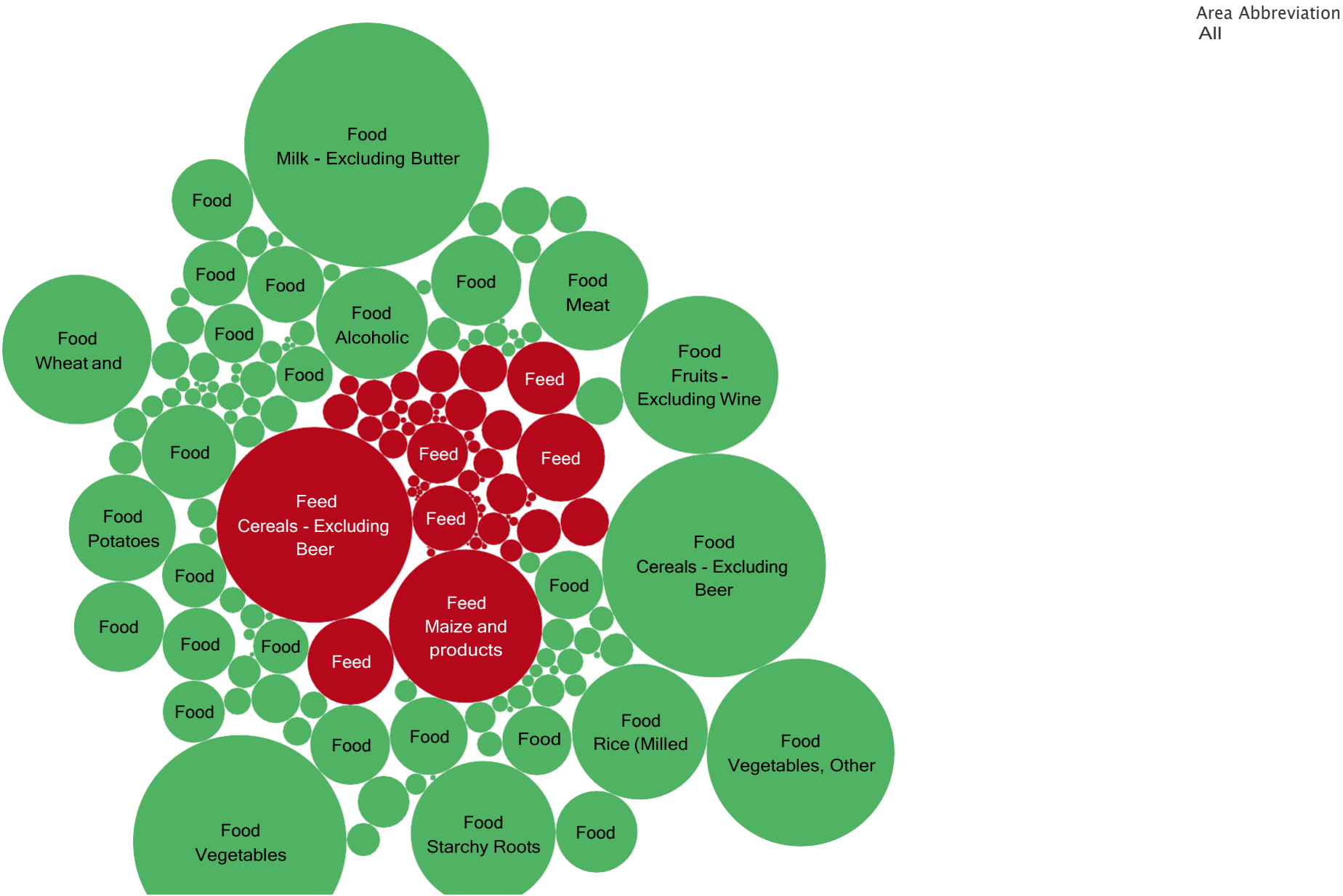■ Barley and produ..
■ Cassava and pro..

INFERENCE :

From the plot we can see that there is a significant raise in the stock hold of food items as year tends up. As nowadays we can observe a lot of natural calamities' many countries ensured that they have quantity of food stocks to survive drought/ flood and so

(Inference may change with respect to filters .When Element Filter is enabled to Food that explains the food production)
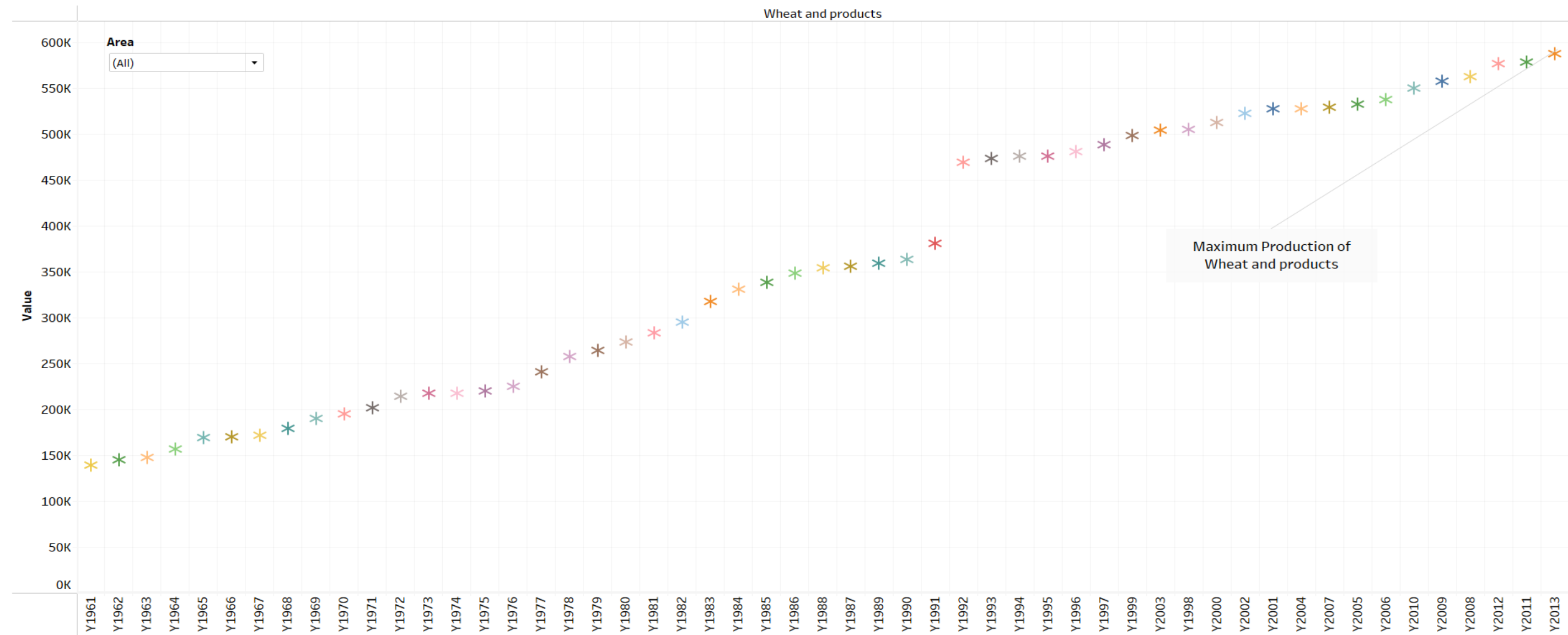
Area Abbreviation
All

Inference:

The aim of this plot is to visualize the products holding major positions in production and stock available in the Year 2010, it can be understood that production of Milk and Cereals holds the top positions ,as they play a very good role in peoples everyday life.We can also infer that the products like Oil, Peas ,Sesame seeds holds the back place.

(Inference may change with respect to filters.Area filters can be enabled)

Wheat and products

Wheat and products

Area

(All)

Maximum Production of
Wheat and products
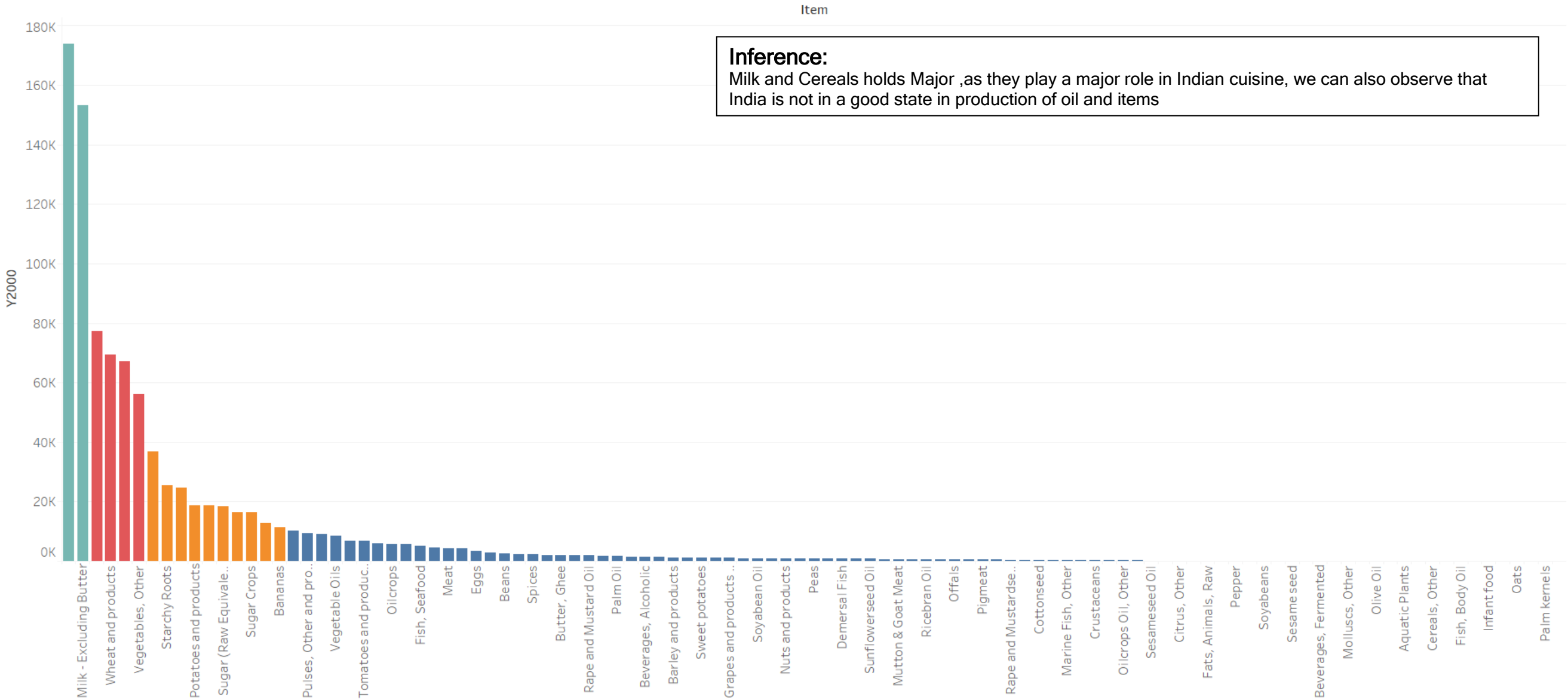
INFERENCE:

THE objective of this visualization is to provide a clear understanding on the trend of Wheat and products from Year 1961 -2013. We can observe a significant raise in production of Wheat .
If we notice ,there is jump in the level of production of wheat (i.e 1991->1992).This is because those were the years when HIY(High Yielding Seeds) and Gene cross seeds (Hybrid Seeds)

All

Item

Inference:
Milk and Cereals holds Major ,as they play a major role in Indian cuisine, we can also observe that India is not in a good state in production of oil and items

Area   Multiple values

Area Abbreviation

Value

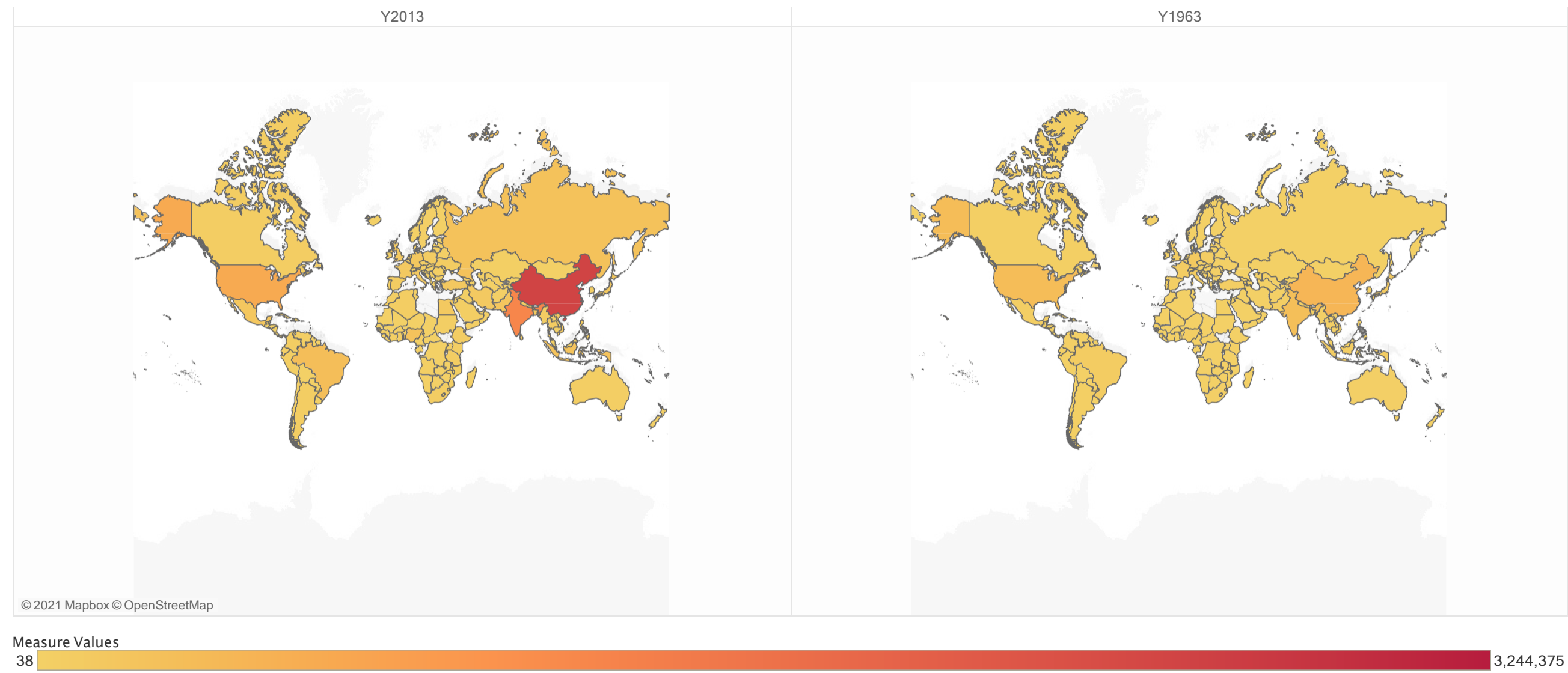AFG | AGO | ALB | ARG | ATG | AUS | BEL

Inference:
The aim of this visualization is to observe the 5 Decade Trend on the production of food items in various Countries, we can see that in every single country the growth isn't similar .

(Inference may change with respect to filter. Filter is enabled on Area)

Area Abbreviation
All

Measure Names
Y1963

Measure Values

0   630,487

Highlight Item
No items highlighted

Inference:

This visualization helps to understand the contribution of every single food product .We can observe that Cereal and Milk are the top products employed in production .

(Inference may change with respect to filter. Filter are enabled on Area,Year)

Comparing Food And Feed stocks by Countries

Element Food

Y2013

Y1963

© 2021 Mapbox © OpenStreetMap

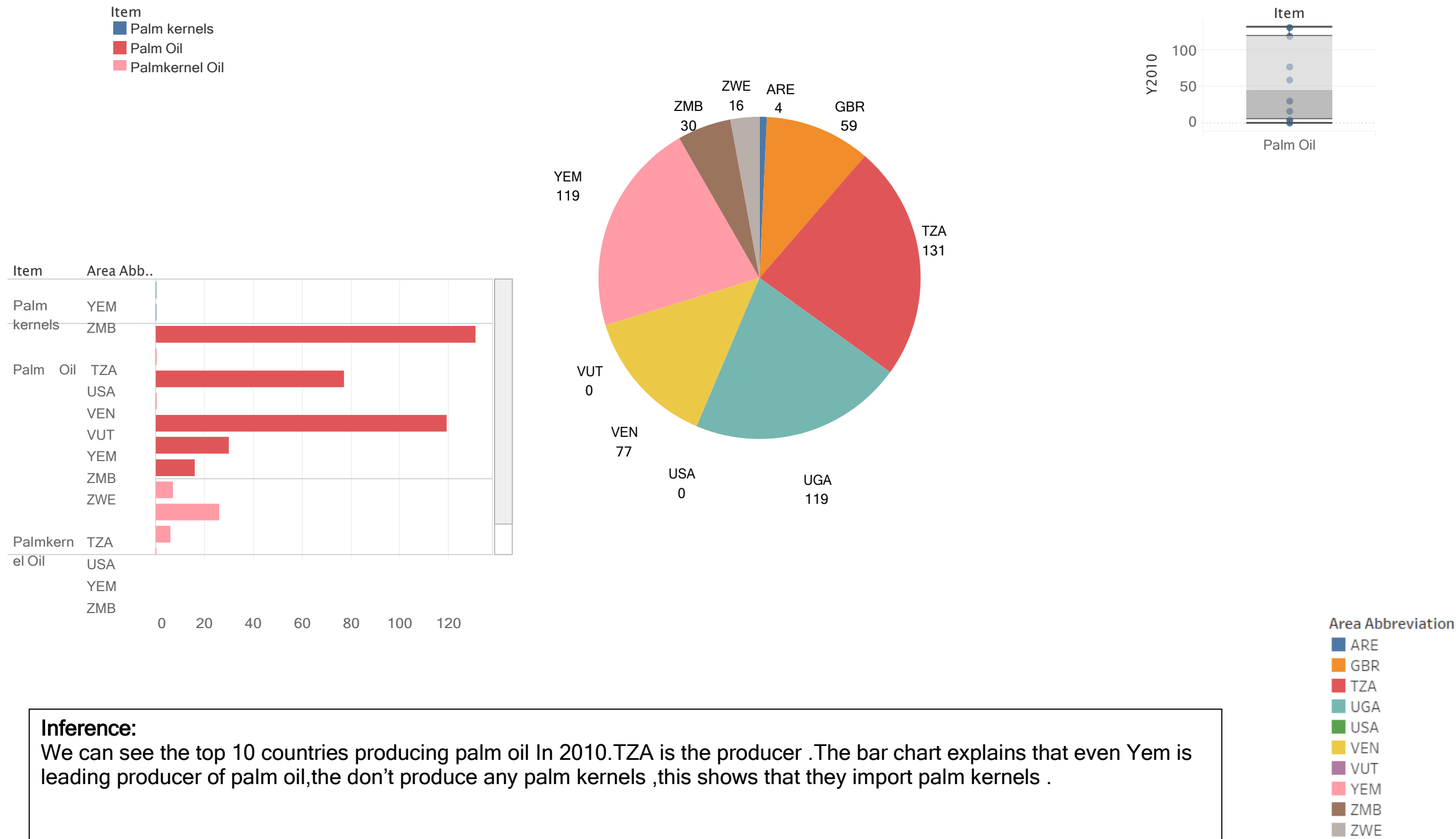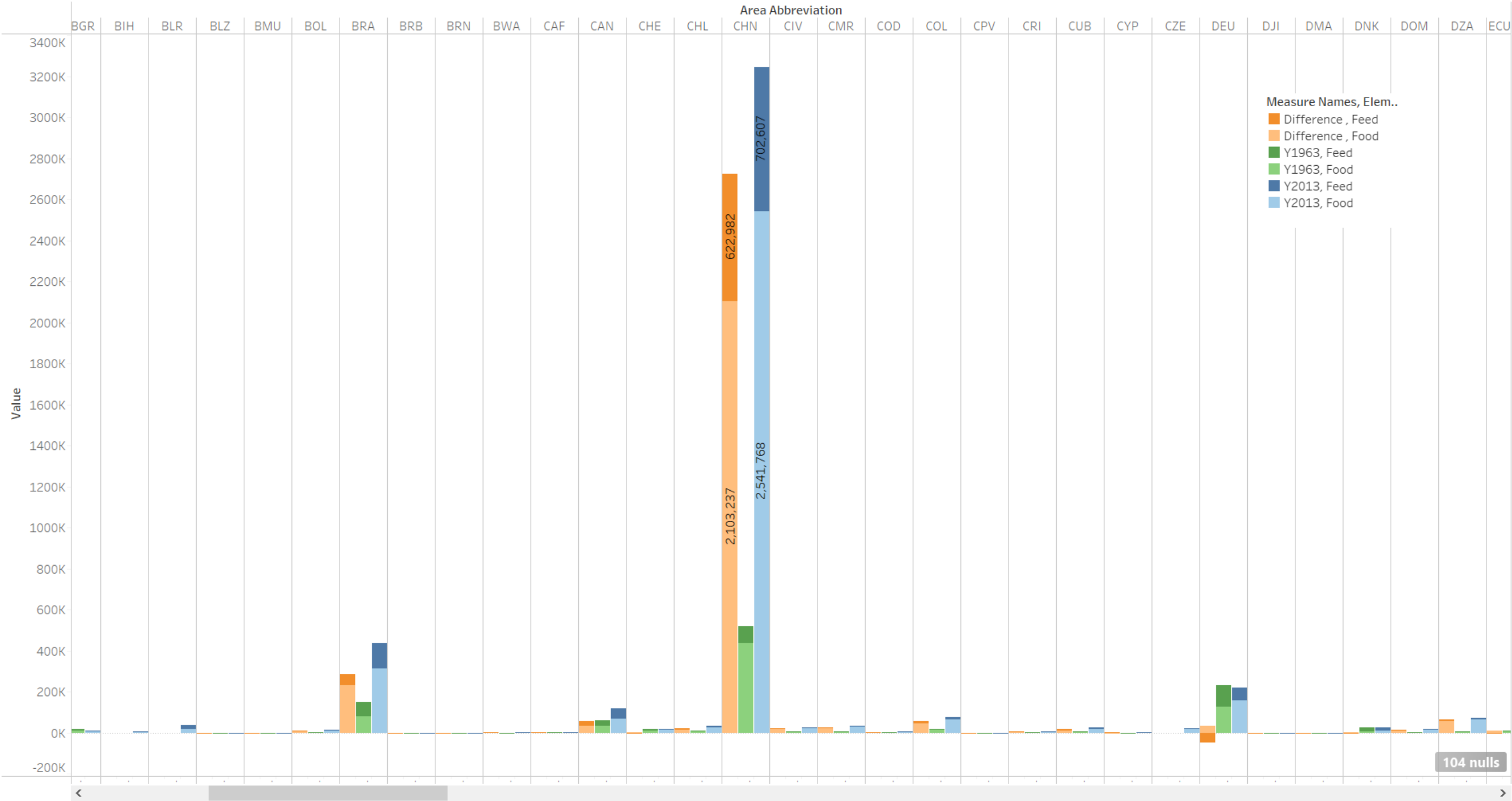Measure Values

38 — 3,244,375

Inference:

We can observe the production and stocks withheld by each countries .For an example there is a vast change in the level of food items withheld by China .

(Inference may change with respect to filter. Filter are enabled on Element)

Top 10 Palm oil Producers in 2010

Item
- Palm kernels
- Palm Oil
- Palmkernel Oil

Item — Y2010

Inference:
We can see the top 10 countries producing palm oil In 2010.TZA is the producer .The bar chart explains that even Yem is leading producer of palm oil,the don't produce any palm kernels ,this shows that they import palm kernels .

Area Abbreviation
- ARE
- GBR
- TZA
- UGA
- USA
- VEN
- VUT
- YEM
- ZMB
- ZWE

Area Abbreviation

Measure Names, Elem..
- Difference , Feed
- Difference , Food
- Y1963, Feed
- Y1963, Food
- Y2013, Feed
- Y2013, Food

104 nulls

Inference:

We can observe the 50 year change in Production Stocks withheld ,by various countries ,Difference explains the difference in availability of food and feed.