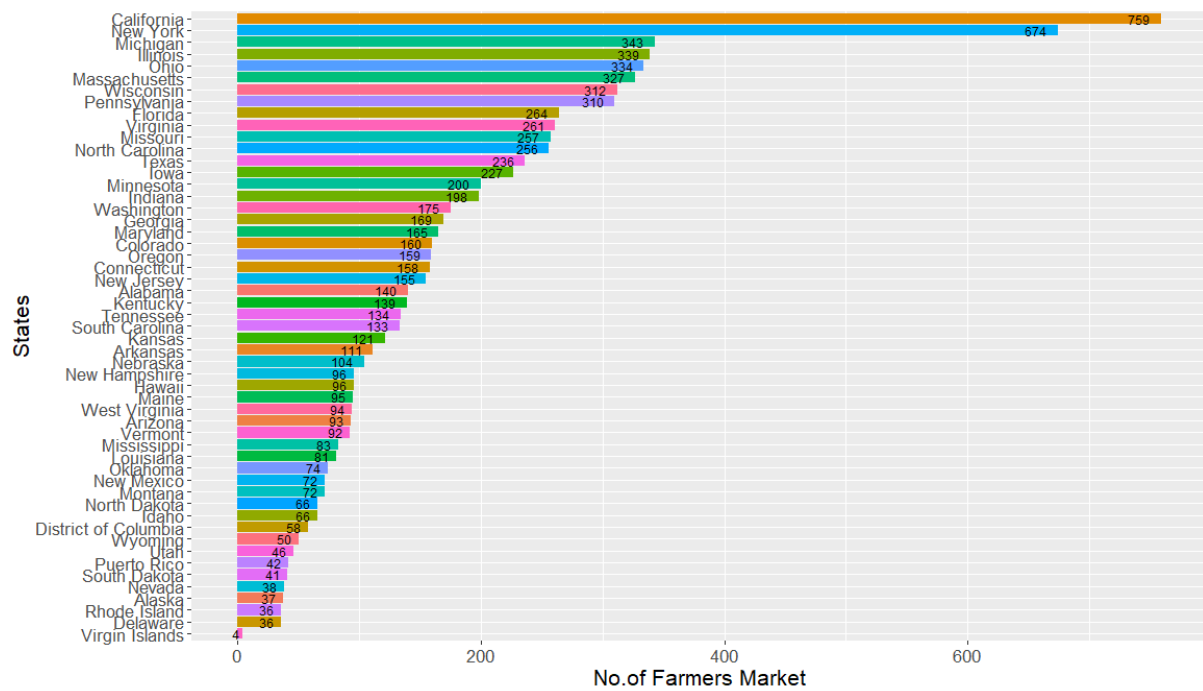## Question-1

- How many farmers markets are in each states?

From this Bar plot we can figure out how mane farmers market were there in each states.
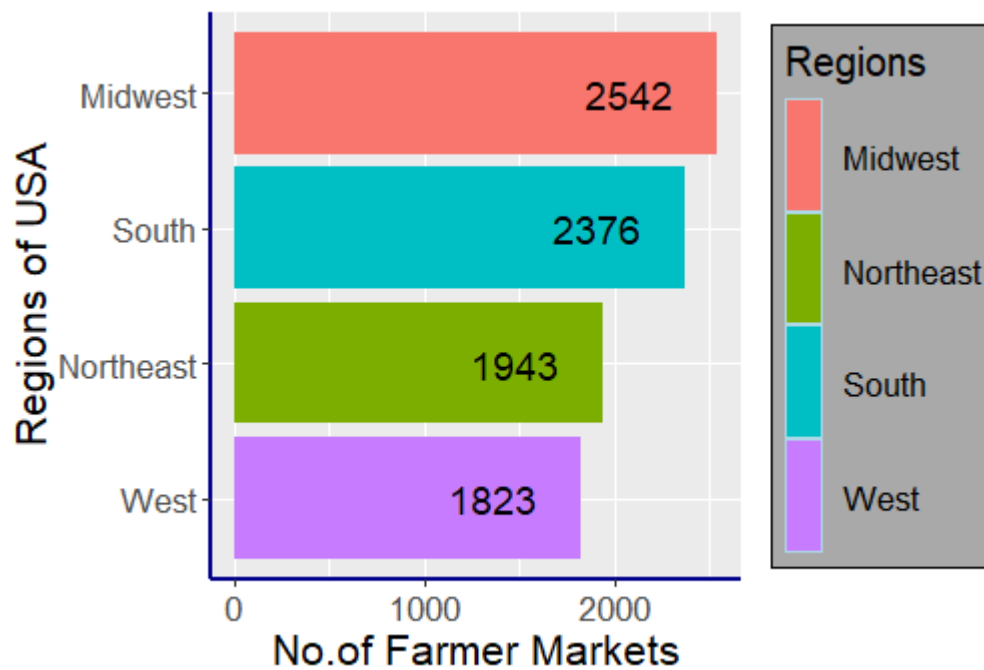
The highest number of markets are in California State which were approximately 750 and the lowest number of markets are in Virgin Islands near to 0.

- How many farmers markets are there in each region?

Now, lets find out by region. I have assigned all states to total 4 regions which are Northeast, South, West, Midwest.

Now, calculating all the count for farmers market in US.

The following bar plot shows distribution of Farmers market in USA.
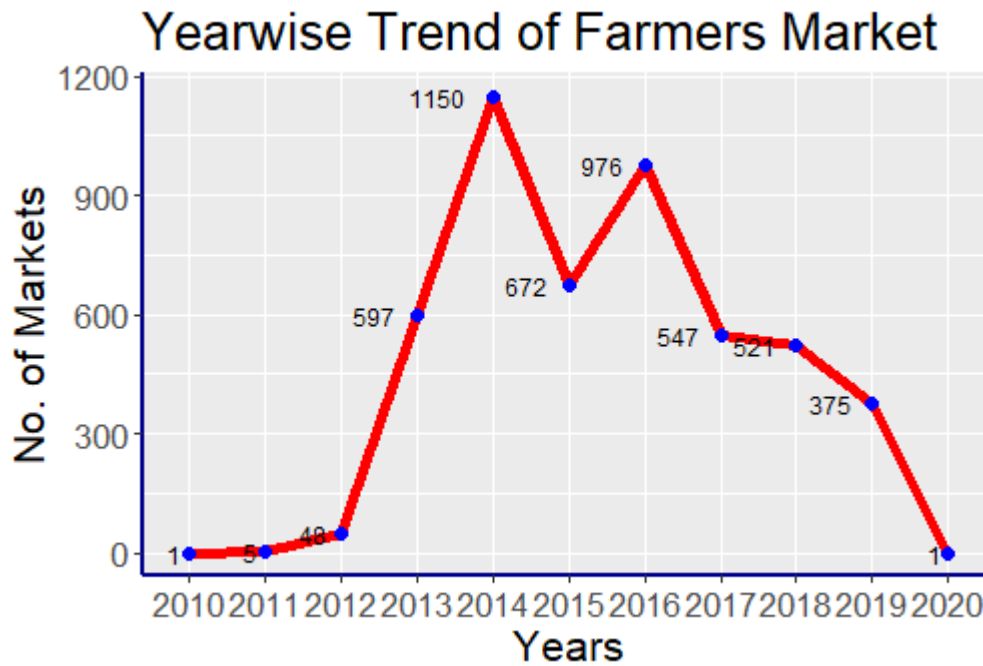

We can infer from the graph that Midwest has the highest number of Farmers market , whereas West region consist of least number of farmers market.

Question-2

Give time-based insights (trends) that show the evolution of farmers market.

1) Year wise Trend

The following graph shows how the year wise trend. How many numbers of farmers market were active in USA in each year.

We can infer from this graph that market started from year 2010 then trend goes up, 2014 was the peak time of the Farmers market where 1150 markets participated, after that the trend went down.
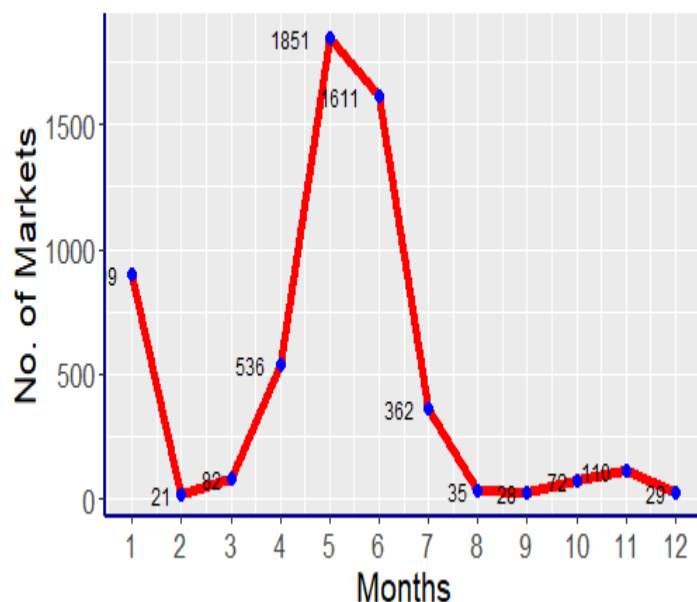
2) Season wise Trend
Now, let's see the trend of farmers market by season.
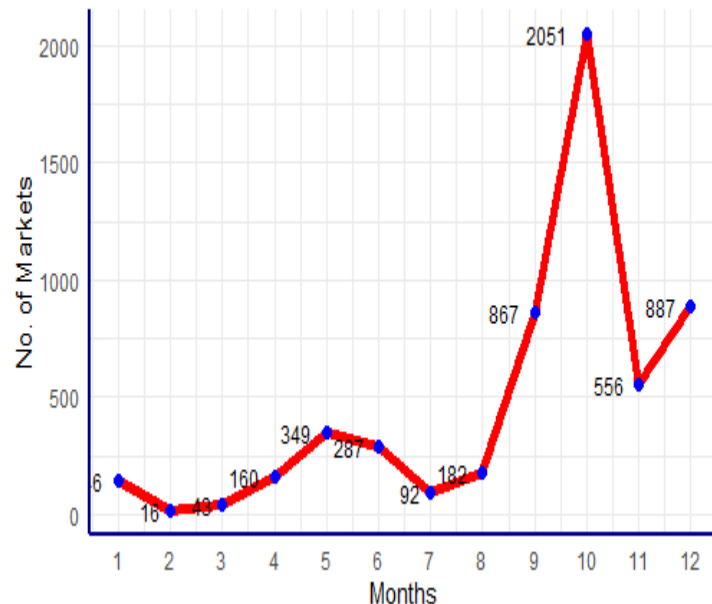The graph shows the data of 1st,2nd,3rd,4th seasons respectively.
It represents the number of farmers markets in which month it started and in which month
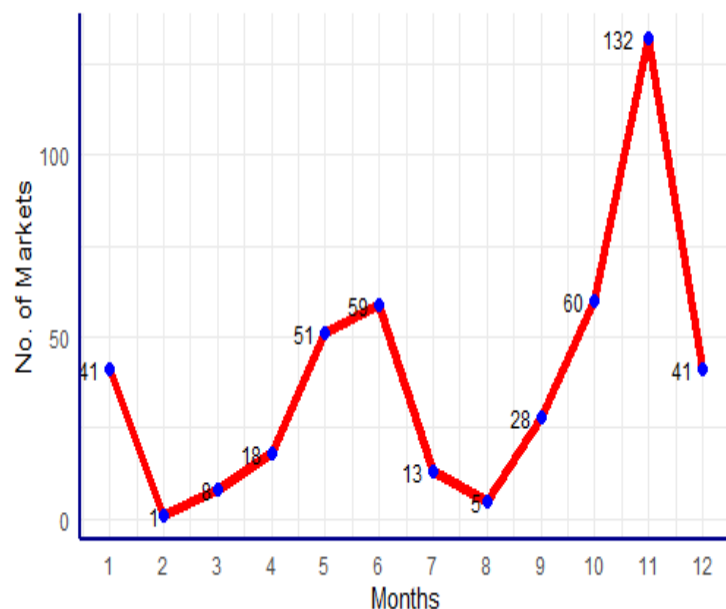it ended.

Markets Started in Season 1

Season 1 trend shows in "May" most number of farmers market were started.

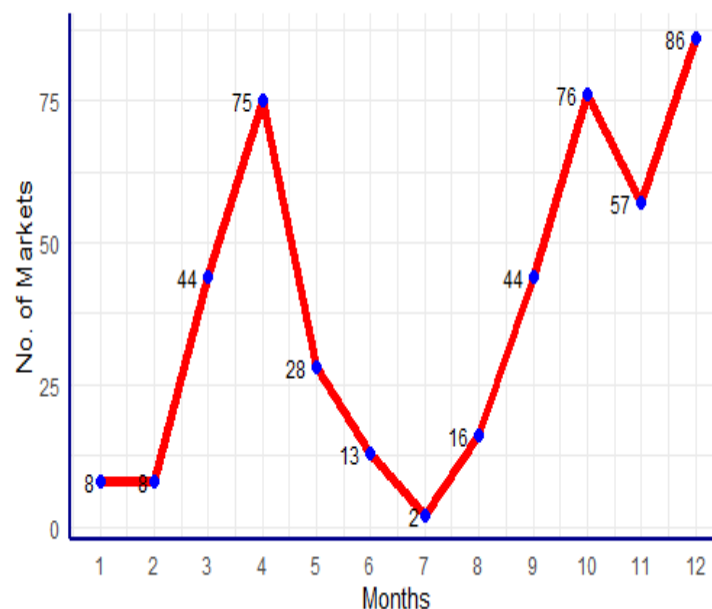## Markets Ended in Season 1

Season 1 trend shows in "October" most number of farmers market were started.
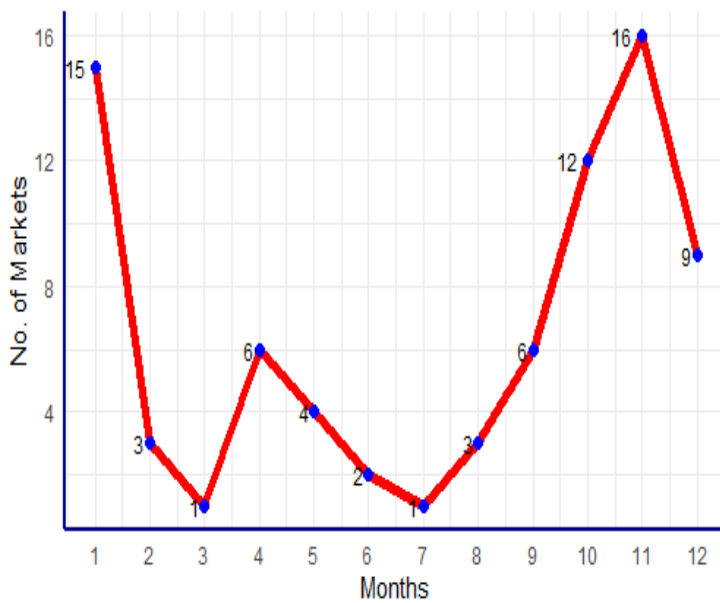
Markets Started in Season 2

Season 2 trend shows in "November" most number of farmers market were started. However we can see that from season 1 the season 2 has very less numbers of markets.
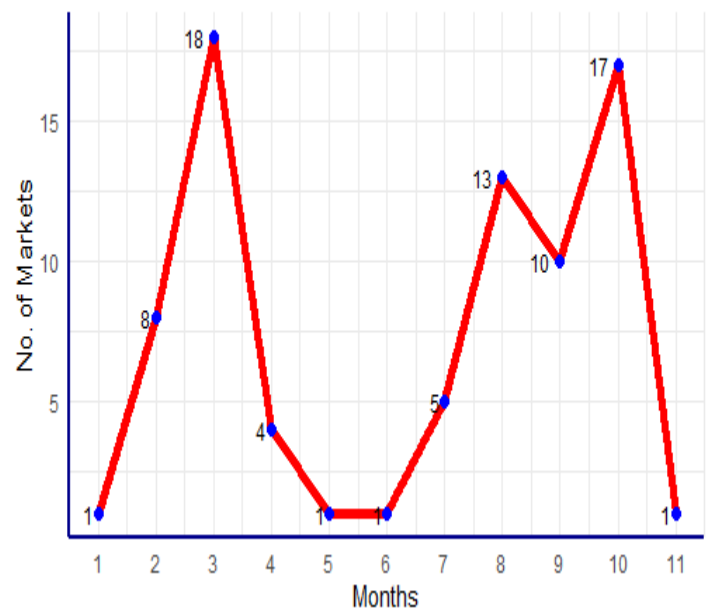
Markets Ended in Season 2

Season 2 trend shows in "December" most number of farmers market were ended. However we can see that from season 1 the season 2 has very less numbers of markets.
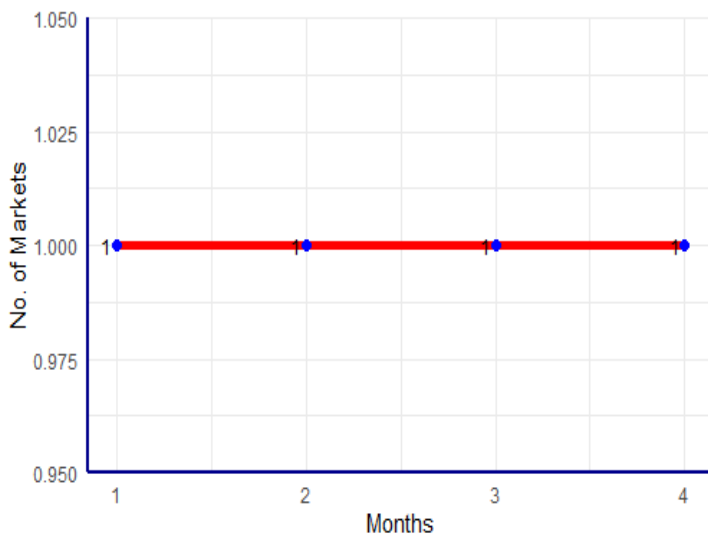
Markets Started in Season 3

Season 3 trend shows in "November" most number of farmers market were started. However we can see that from season 1 and season 2, the season 3 has very less numbers of markets.
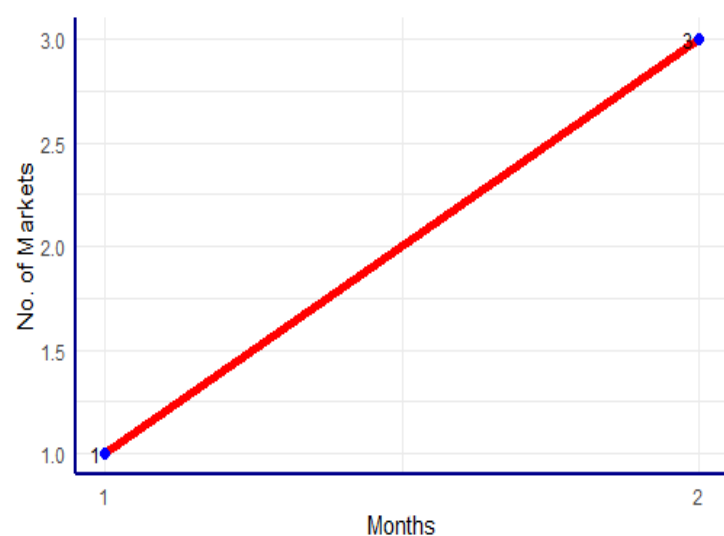
Markets Ended in Season 3

Season 3 trend shows in "November" most number of farmers market were ended. However we can see that from season 1 and season 2, the season 3 has very less numbers of markets.

Markets Started in Season 4

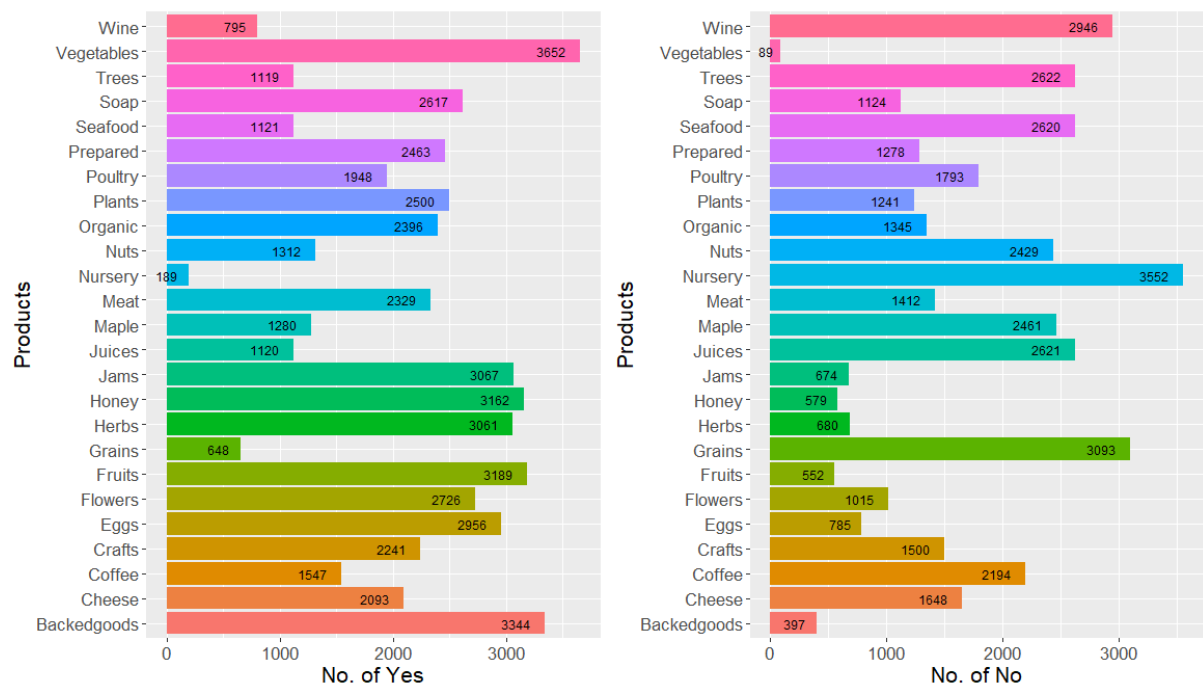Season 4 trend shows really less number of markets .

Markets Ended in Season 4

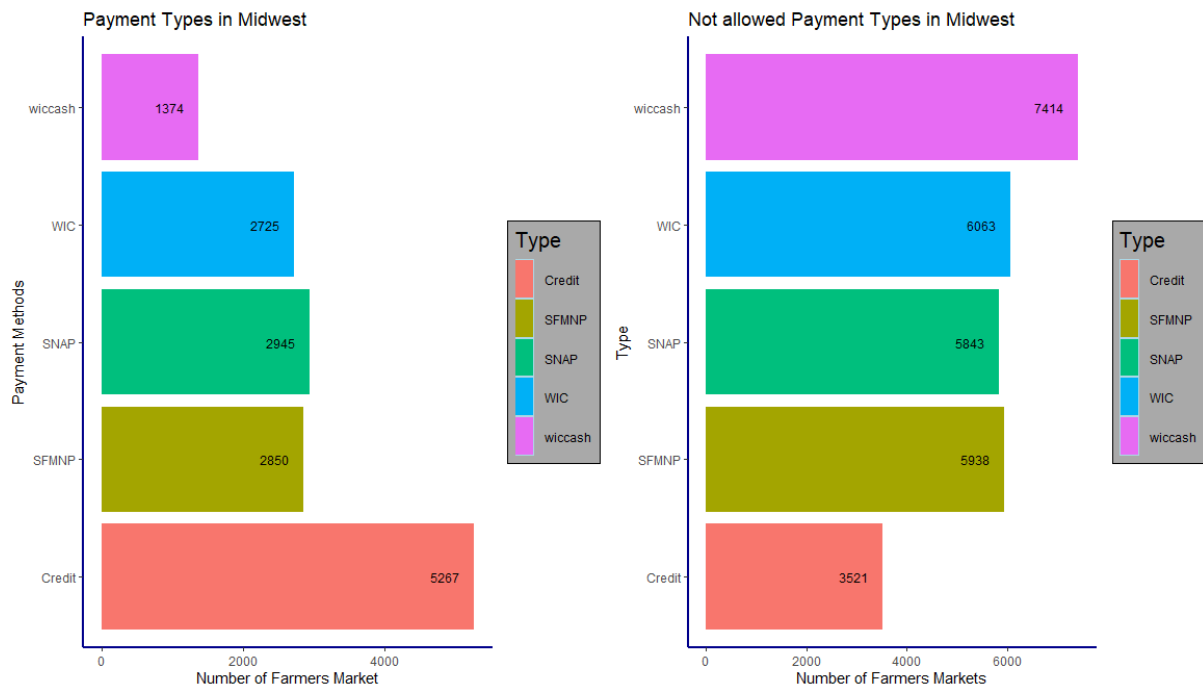Season 4 trend shows really less number of markets .

Question-3

How does the count vary for each product type?

We can see that the number of products which are sold in the farmer market is the left graph where the number of farmers market sold "Vegetables" are highest in number, whereas "Nursery" items are least sold items.

Question-4

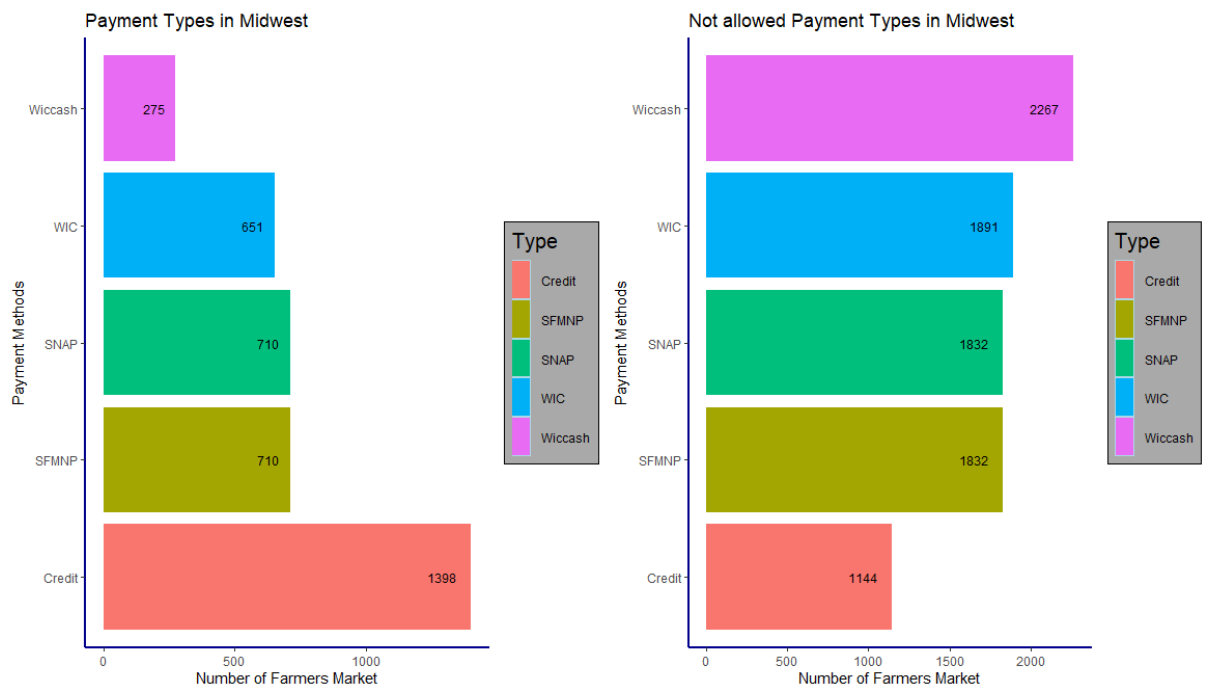Compare the counts of different payment modes.

We can see that allowed payment type in Midwest is the left graph, whereas the right graph shows not allowed payment type.

We can infer that credit card is the most famous and allowed type of payment.

Wiccash is the most not allowed payment type.

Question-5

Which payment mode is most offered in northwest part of the country?

Here, we are deriving the most offered payment mode in northwest part of the USA.

The left graph shows No. of farmers market allowed payment type in Midwest and right graph shows not allowed payment type.

We can again say that Credit card is the most used and accepted payment type, whereas Wiccash is the least accepted method of payment.