

# Financial Metrics using ARMS Data

## Solvency Ratios

Solvency Ratios Overview

Debt-to-Asset Ratio

Debt-to-Equity Ratio

Equity-to-Asset Ratio

Explore the Solvency Ratios

Liquidity Ratios Overview

Current Ratio

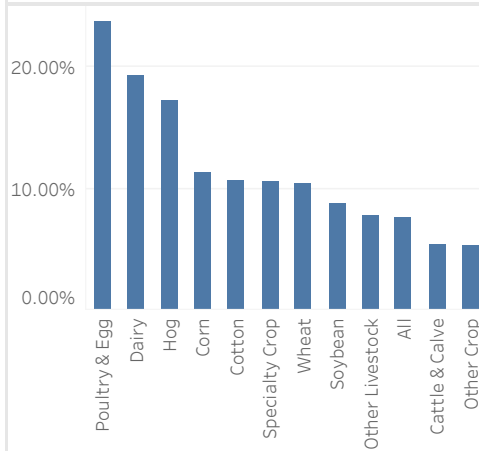
Working Capital Ratio

Working Capital

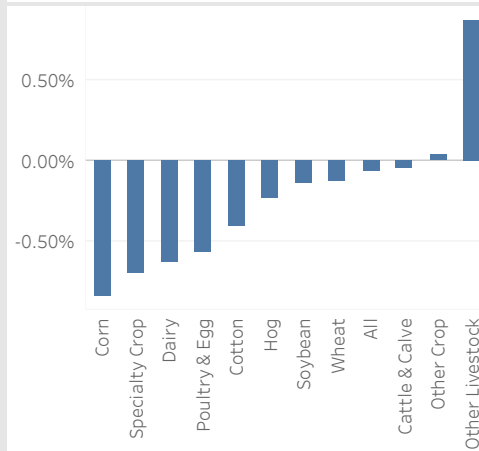
## Solvency Ratios

Solvency ratios compare the amount of debt relative to equity invested in the farm sector. The ratios are often referred to as measuring “leverage,” which is the amount of debt used to finance assets. As a result, the ratios provide a measure of the sector’s ability to repay financial liabilities via the sale of assets. By providing a picture of the sector’s current financial position, the ratios also measure the farm sector’s risk exposure and ability to overcome adverse financial events.

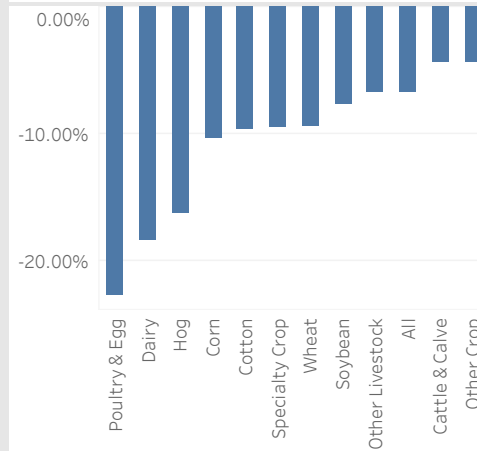
2012 Average Debt-to-asset ratio by Commodity Specialty



2012 Average Debt-to-equity ratio by Commodity Specialty



2012 Average Equity-to-asset ratio by Commodity Specialty



Class Category Name

Commodity Specialty

Year

2012

Class Category Name

Commodity Specialty

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

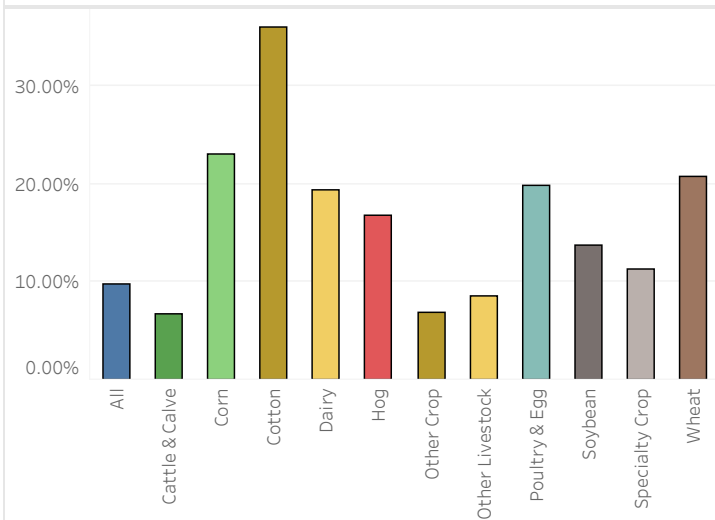
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

## Financial Metrics using ARMS Data

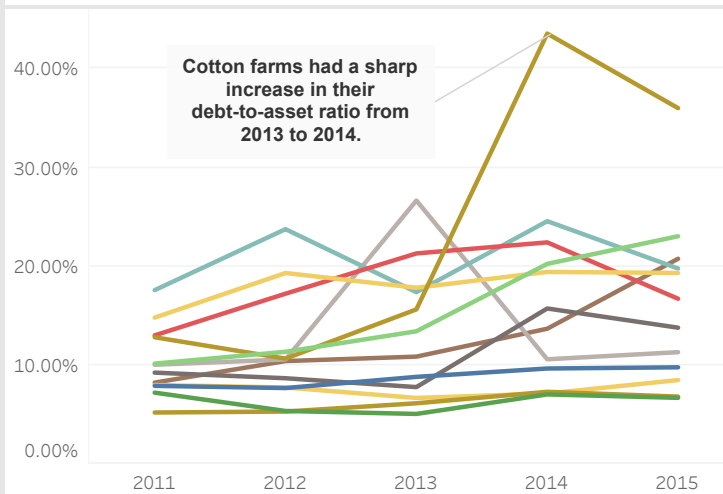
Solvency Ratios Overview	Debt-to-Asset Ratio	Debt-to-Equity Ratio	Equity-to-Asset Ratio	Explore the Solvency Ratios	Liquidity Ratios Overview	Current Ratio	Working Capital Ratio	Working Capital Ratio
--------------------------	---------------------	----------------------	-----------------------	-----------------------------	---------------------------	---------------	-----------------------	-----------------------

More than half of all commodities had an average debt-to-asset ratio greater than the nation's average debt-to-asset ratio, with cotton farms having the greatest debt-to-asset ratio in 2014.

2015 Average Debt-to-asset ratio by Commodity Specialty



All Average Debt-to-asset ratio by Commodity Specialty



2015  
Year

### Class Variable Name

All	Other Crop
Cattle & Calve	Other Livestock
Corn	Poultry & Egg
Cotton	Soybean
Dairy	Specialty Crop
Hog	Wheat

The debt-to-asset ratio measures the proportion of assets owed to creditors to cover outstanding debt obligations. Higher debt-to-asset ratios indicate more assets are financed by debt as opposed to owner capital (equity).

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

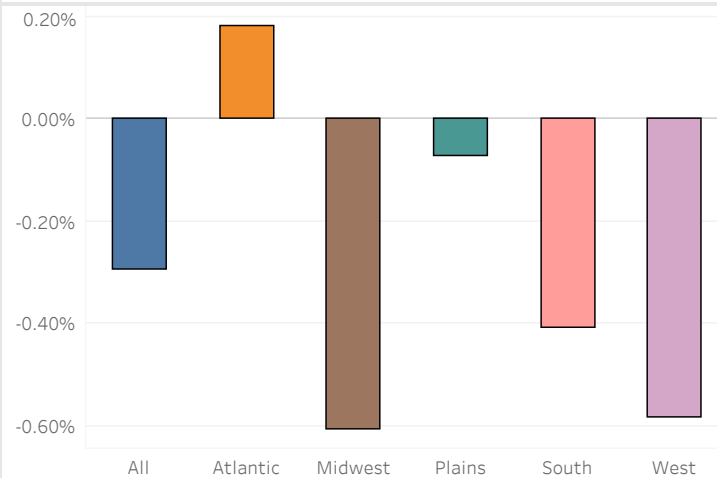
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

## Financial Metrics using ARMS Data

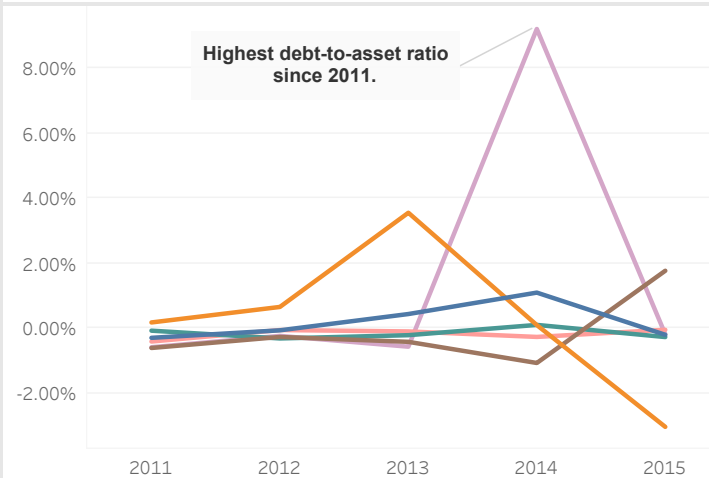
Solvency Ratios Overview	Debt-to-Asset Ratio	<b>Debt-to-Equity Ratio</b>	Equity-to-Asset Ratio	Explore the Solvency Ratios	Liquidity Ratios Overview	Current Ratio	Working Capital Ratio	Working Capital
--------------------------	---------------------	-----------------------------	-----------------------	-----------------------------	---------------------------	---------------	-----------------------	-----------------

The average debt-to-equity ratio in the west region increased, and then decreased, substantially from 2013 to 2015, and the debt-to-equity ratio in the atlantic has steadily declined since 2013.

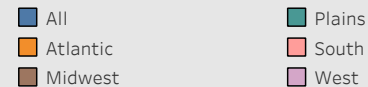
2011 Average Debt-to-equity ratio by Regions



All Average Debt-to-equity ratio by Regions



Class Variable Name



The debt-to-equity ratio measures the proportion of aggregate farm capital in the form of debt relative to owner provided capital (equity). A higher debt-to-equity ratio indicates more of the sector's assets are financed by credit relative to owner capital (equity).

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

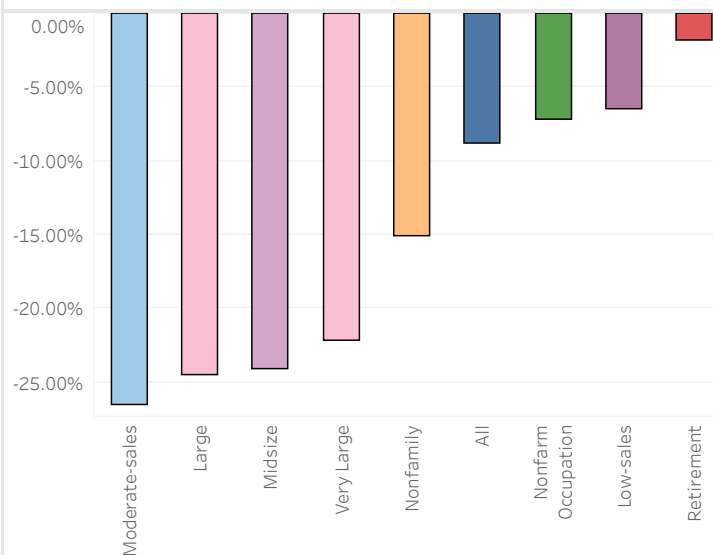
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

## Financial Metrics using ARMS Data

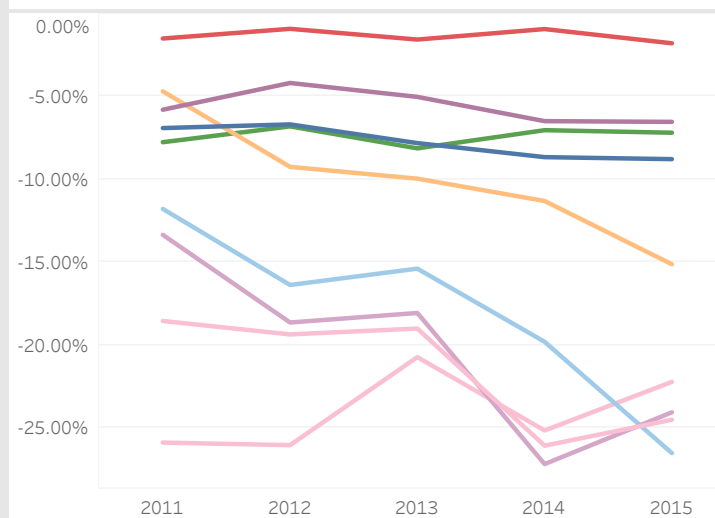
Solvency Ratios Overview	Debt-to-Asset Ratio	Debt-to-Equity Ratio	Equity-to-Asset Ratio	Explore the Solvency Ratios	Liquidity Ratios Overview	Current Ratio	Working Capital Ratio	Working Capital Ratio
--------------------------	---------------------	----------------------	-----------------------	-----------------------------	---------------------------	---------------	-----------------------	-----------------------

### Vary Large, Large, Midsize, and Moderate-sales farms continue to have below average equity-to-asset ratios.

2015 Average Equity-to-asset ratio by Farm Typology



All Average Equity-to-asset ratio by Farm Typology



#### Class Variable Name

Moderate-sales	Very Large	Nonfarm Occupation
Large	Nonfamily	Low-sales
Midsize	All	Retirement

The equity-to-asset ratio measures the proportion of farm assets that were financed by the owner's capital (equity). Alternatively, the ratio can be thought of as the percentage of farm sector assets claimed by farm owners. Higher equity-to-asset ratios indicate more assets are financed by owner capital (equity) as opposed credit.

Created by: The Farm Income Team

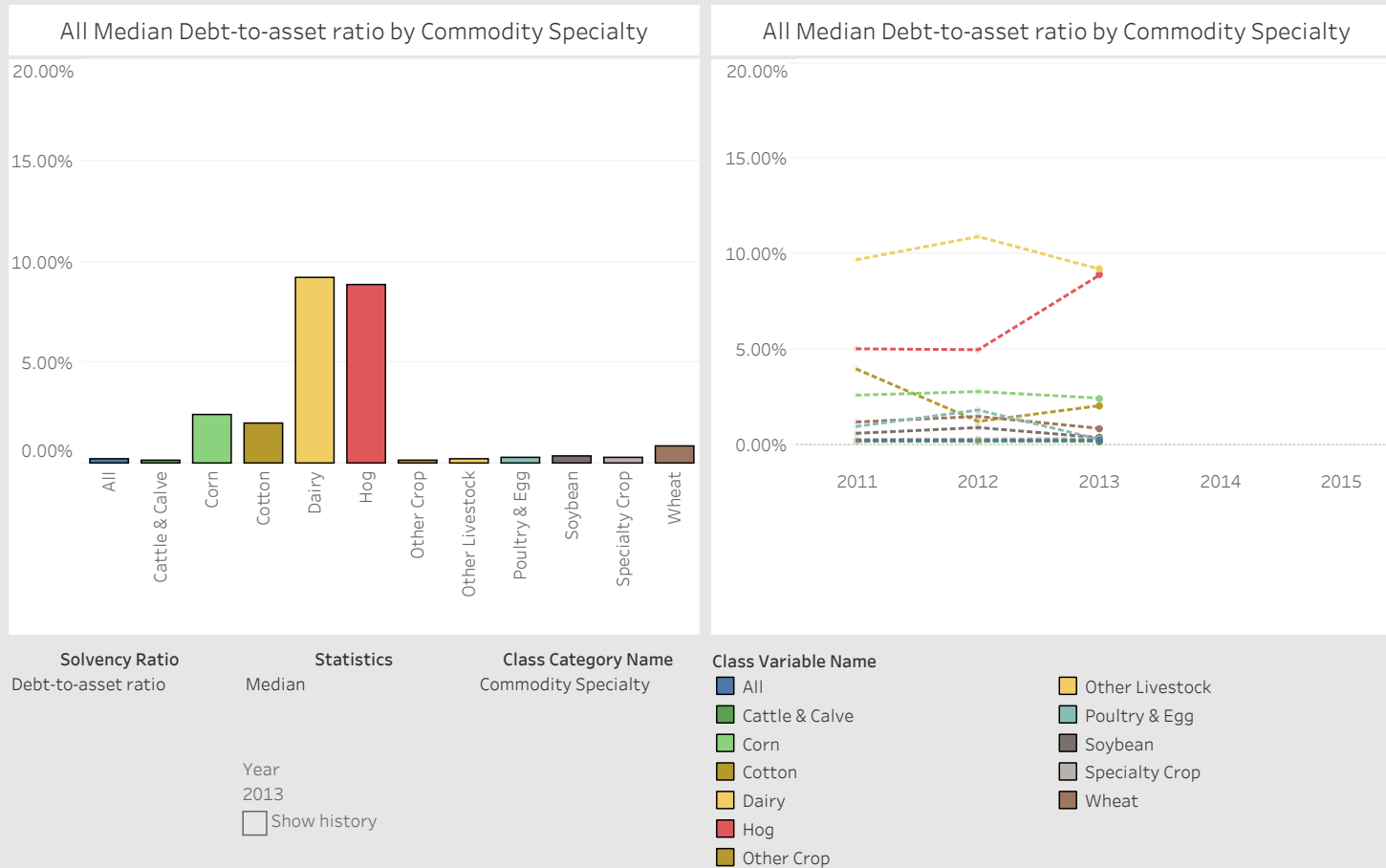
Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

# Financial Metrics using ARMS Data

Solvency Ratios Overview	Debt-to-Asset Ratio	Debt-to-Equity Ratio	Equity-to-Asset Ratio	Explore the Solvency Ratios	Liquidity Ratios Overview	Current Ratio	Working Capital Ratio	Working Capital to Gross Reven..
--------------------------	---------------------	----------------------	-----------------------	-----------------------------	---------------------------	---------------	-----------------------	----------------------------------

## Explore for yourself: Solvency Ratios



Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

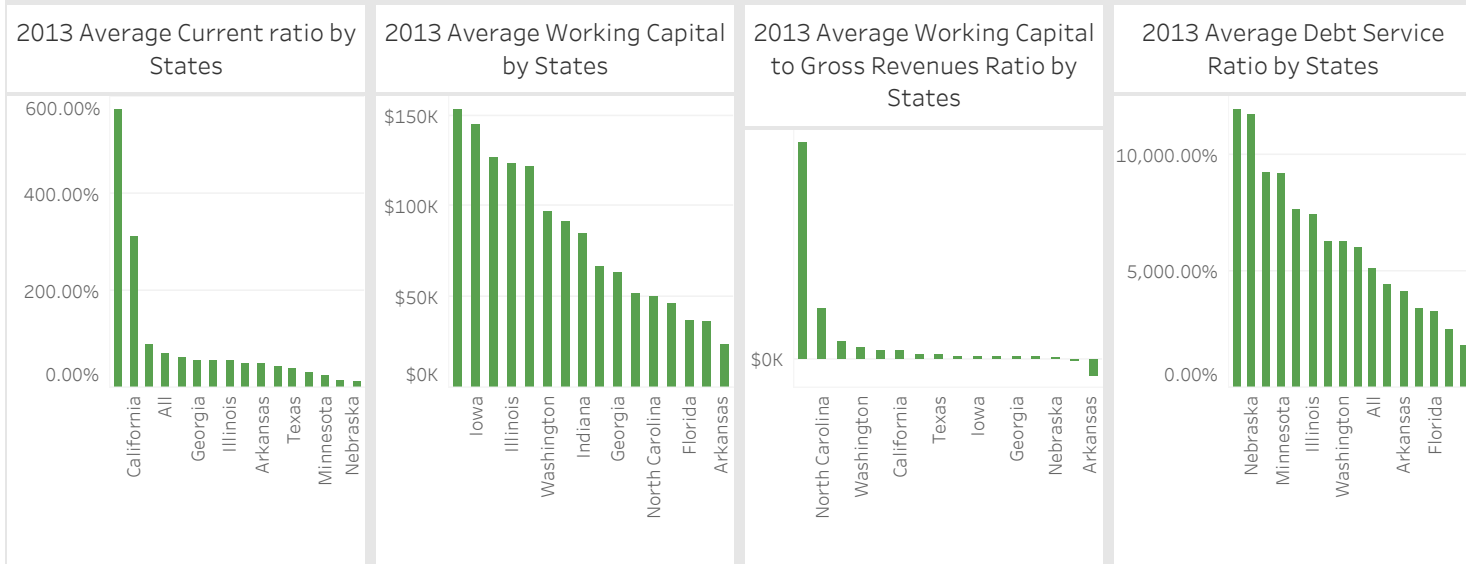
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

## Financial Metrics using ARMS Data

Debt-to-Asset Ratio	Debt-to-Equity Ratio	Equity-to-Asset Ratio	Explore the Solvency Ratios	Liquidity Ratios Overview	Current Ratio	Working Capital Ratio	Working Capital to Gross Revenues Ratio	Debt Service Ratio
---------------------	----------------------	-----------------------	-----------------------------	---------------------------	---------------	-----------------------	---	--------------------

### Liquidity Ratios

In finance, the term liquidity has two related meanings. Liquidity is often used to refer to the ease with which an asset can be converted into cash. Liquidity is also used to refer to the amount of capital readily available as cash. Each of the reported liquidity ratios provides a way to assess the farm sector's ability to make scheduled financial payments as they come due.



Class Category Name

States

Year

2013

Class Category Name

States

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

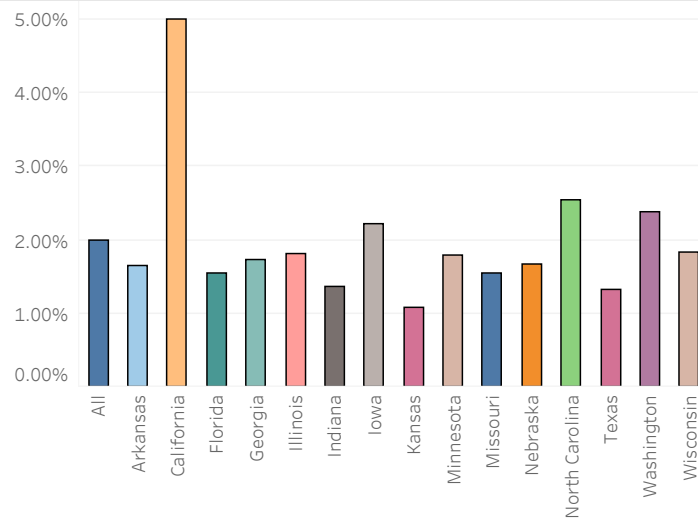
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

## Financial Metrics using ARMS Data

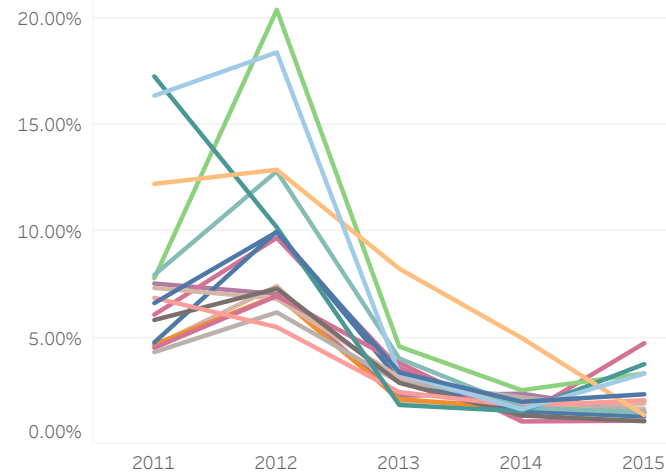
Debt-to-Equity Ratio	Equity-to-Asset Ratio	Explore the Solvency Ratios	Liquidity Ratios Overview	<b>Current Ratio</b>	Working Capital Ratio	Working Capital to Gross Revenues Ratio	Debt Service Ratio	Explore the Liquidity Ratios
----------------------	-----------------------	-----------------------------	---------------------------	----------------------	-----------------------	---	--------------------	------------------------------

In 2012, there was a drastic increase in the median current ratio for all categories, but then in 2013 all of the current ratios leveled out.

2014 Median Current ratio of States



All Median Current ratio by States



Year  
2014  
Class Category Name  
States

### Class Variable Name

All	Indiana	North Carolina
Arkansas	Iowa	Texas
California	Kansas	Washington
Florida	Minnesota	Wisconsin
Georgia	Missouri	
Illinois	Nebraska	

The current ratio measures the ability of current assets, if sold and converted to cash, to cover current debt obligations. A higher current ratio indicates greater liquidity.

Created by: The Farm Income Team

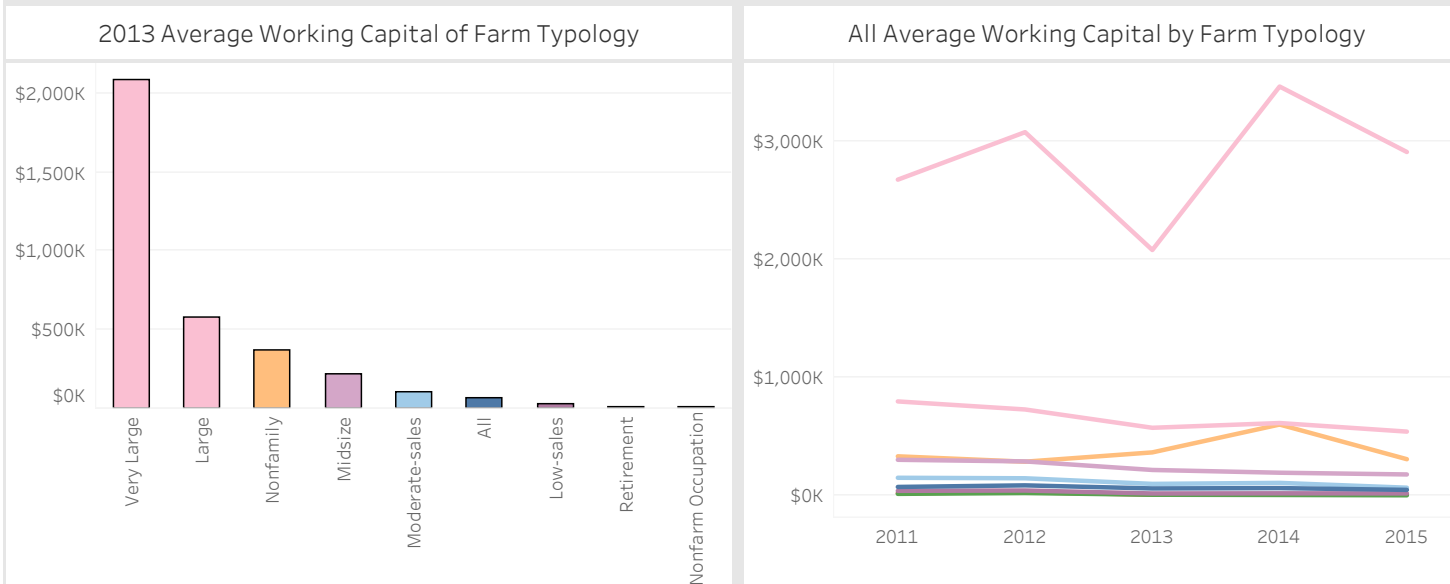
Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

## Financial Metrics using ARMS Data

Equity-to-Asset Ratio	Explore the Solvency Ratios	Liquidity Ratios Overview	Current Ratio	Working Capital Ratio	Working Capital to Gross Revenues Ratio	Debt Service Ratio	Explore the Liquidity Ratios	Efficiency Ratios
-----------------------	-----------------------------	---------------------------	---------------	-----------------------	---	--------------------	------------------------------	-------------------

Overall, very large farms on average have more working capital, but the amount of working capital very large farms have tends to vary more.



### Class Variable Name

Very Large	All
Large	Low-sales
Nonfamily	Retirement
Midsized	Nonfarm Occupation
Moderate-sales	

Working capital measures the amount cash that would be available to fund operating expenses after paying off current debt. Working capital is similar to the current ratio in that it measures the capacity for current assets to fund current liabilities.

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

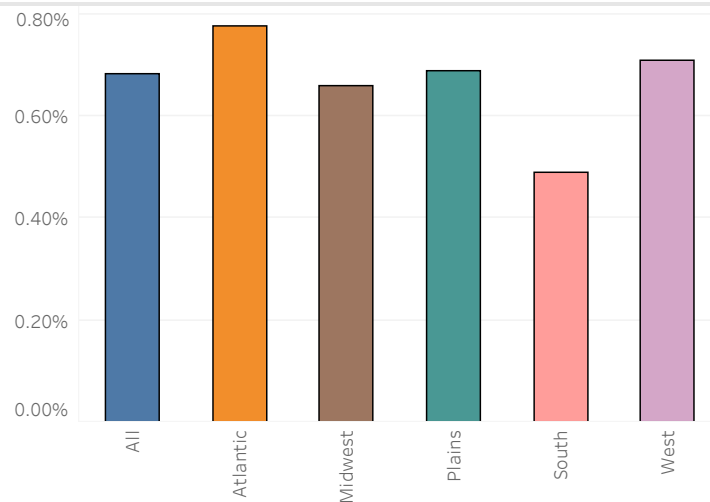


## Financial Metrics using ARMS Data

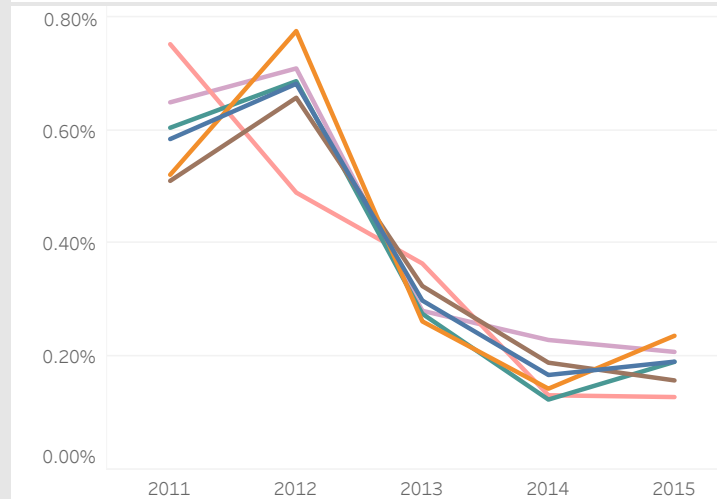
Explore the Solvency ..	Liquidity Ratios Overview	Current Ratio	Working Capital Ratio	Working Capital to Gross Revenues Ratio	Debt Service Ratio	Explore the Liquidity Ratios	Efficiency Ratios	Asset Turnover Ratio
-------------------------	---------------------------	---------------	-----------------------	---	--------------------	------------------------------	-------------------	----------------------

**In 2012, the southern farm region was the only region that did not increase their working capital to gross revenues ratio.**

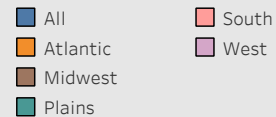
2012 Median Working Capital to Gross Revenues Ratio of Regions



All Median Working Capital to Gross Revenues Ratio by Regions



Class Variable Name



**The working capital to gross revenues ratio measures the working capital relative to the size of the farm sector.**

Created by: The Farm Income Team

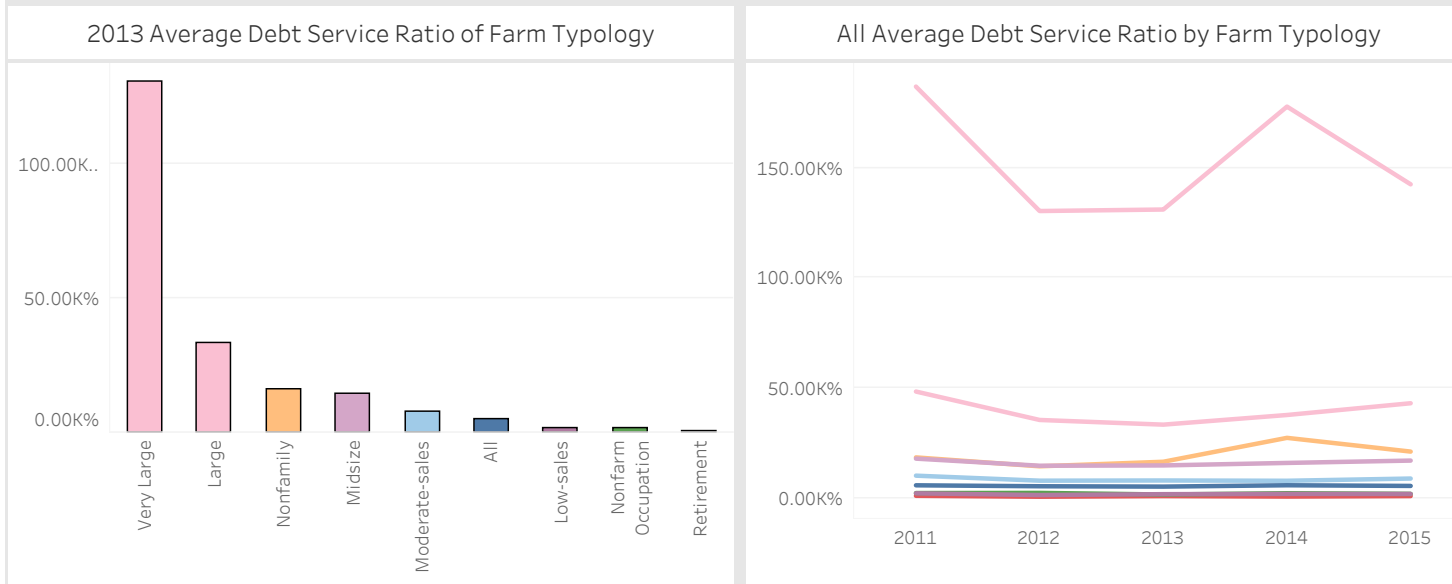
Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

## Financial Metrics using ARMS Data

Liquidity Ratios Overview	Current Ratio	Working Capital Ratio	Working Capital to Gross Revenues Ratio	Debt Service Ratio	Explore the Liquidity Ratios	Efficiency Ratios	Asset Turnover Ratio	Operating Expense Ratio
---------------------------	---------------	-----------------------	---	--------------------	------------------------------	-------------------	----------------------	-------------------------

Very large farm average debt service ratio is over all greater than the rest of the farm types. This is a similar trend seen with the average amount of working capital very large farms had.



### Class Variable Name

- Very Large
- Large
- Nonfamily
- Midsize
- Moderate-sales
- All
- Low-sales
- Nonfarm Occup..
- Retirement

Debt servicing ratio describes the share of production used for debt payments. Higher debt servicing ratios implies a greater share of production is needed to make debt payments, implying less liquidity.

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

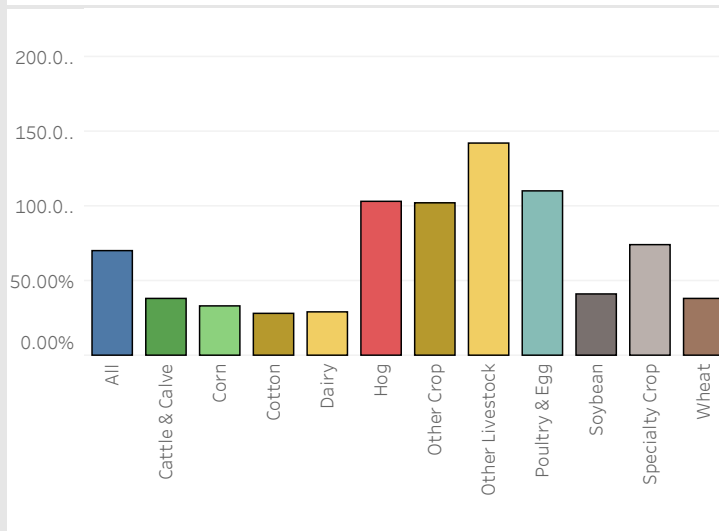
For more information see: <https://www.ers.usda.gov/topics/farm-economy/farm-household-well-being/>

# Financial Metrics using ARMS Data

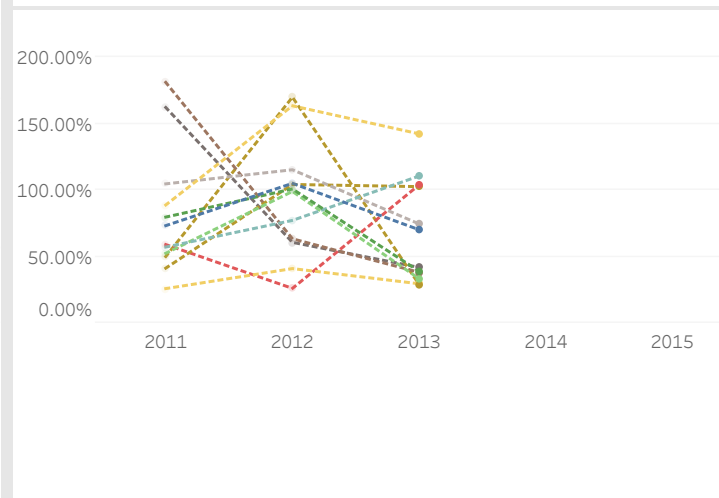
Current Ratio	Working Capital Ratio	Working Capital to Gross Revenues Ratio	Debt Service Ratio	Explore the Liquidity Ratios	Efficiency Ratios	Asset Turnover Ratio	Operating Expense Ratio	Profitability Ratios
---------------	-----------------------	---	--------------------	------------------------------	-------------------	----------------------	-------------------------	----------------------

## Explore for yourself: Liquidity Ratios

All Average Current ratio by Commodity Specialty



2011, 2012, 2013 and 2 more Average Current ratio by Commodity Specialty



Class Category Name  
Commodity Specialty

Statistics  
Average

Liquidity Ratios  
Current ratio

Class Variable Name

All  
 Cattle & Calve  
 Corn  
 Cotton  
 Dairy  
 Hog  
 Other Crop  
 Other Livestock  
 Poultry & Egg  
 Soybean  
 Specialty Crop  
 Wheat

Year  
 2013  
☐ Show history

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.  
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

Financial Metrics using ARMS Data

Working Capital Ratio	Working Capital to Gross Revenues Ratio	Debt Service Ratio	Explore the Liquidity Ratios	Efficiency Ratios	Asset Turnover Ratio	Operating Expense Ratio	Profitability Ratios	Operating Profit Margin Ratio
-----------------------	---	--------------------	------------------------------	-------------------	----------------------	-------------------------	----------------------	-------------------------------

Efficiency Ratios

Solvency ratios compare the amount of debt relative to equity invested in the farm sector. The ratios are often referred to as measuring “leverage,” which is the amount of debt used to finance assets. As a result, the ratios provide a measure of the sector's ability to repay financial liabilities via the sale of assets. By providing a picture of the sector's current financial position, the ratios also measure the farm sector's risk exposure and ability to overcome adverse financial events.

None None Total Debt by None	None None Total Debt by None	None None Total Debt by None
------------------------------	------------------------------	------------------------------

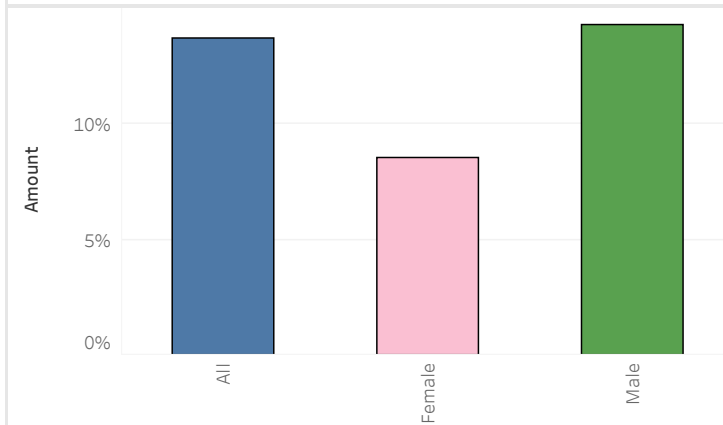
Class Variable Name	Amount	Statistic Name	Variable Name	Variable Name	Class Category Name	Variable Name
<input type="checkbox"/> All	58,884 to 1.575580..	None	Total Debt	Total Debt		Total Debt
<input type="checkbox"/> Arkansas						
		Year	Class Category Name			
		None	None			

## Financial Metrics using ARMS Data

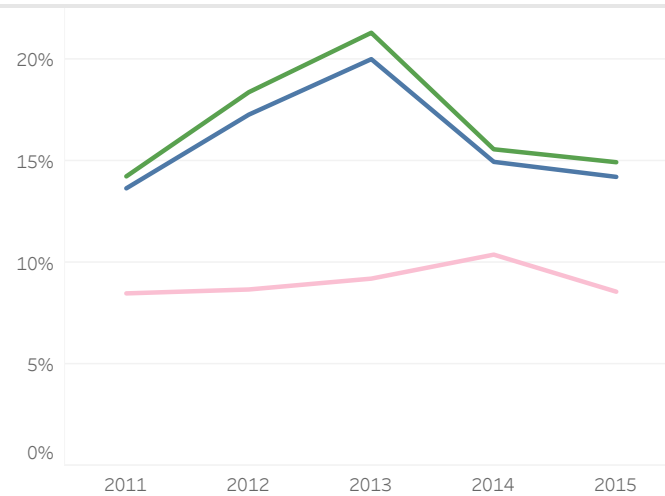
Working Capital to Gross Re..	Debt Service Ratio	Explore the Liquidity Ratios	Efficiency Ratios	<b>Asset Turnover Ratio</b>	Operating Expense Ratio	Profitability Ratios	Operating Profit Margin Ratio	Total Rate of Return on Farm Equity
-------------------------------	--------------------	------------------------------	-------------------	-----------------------------	-------------------------	----------------------	-------------------------------	-------------------------------------

Female primary operators continue to have very low asset turnover ratios compared to men.

2011 Average Asset Turnover Ratio of Operator Gender



All Average Asset Turnover Ratio by Operator Gender



2011  
Year

Class Variable Name

■ All ■ Female ■ Male

The asset turnover ratio measures the efficiency with which farm assets are used to generate production. According to the FFSC guidelines, numerator is gross revenues. However, their definition of gross revenues matches the value of production calculation in the farm income and wealth statistics data product. Because asset values reported on the balance sheet are estimated as of December 31st each year, the average of the total assets from the start and end of the year are used to represent the average value of assets available to support production during the year in this ratio. This is represented by the denominator  $(\text{Assetst} + \text{Assetst-1}/2)$ . Higher ratios signify the sector's assets are being used to generate production more efficiently.

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

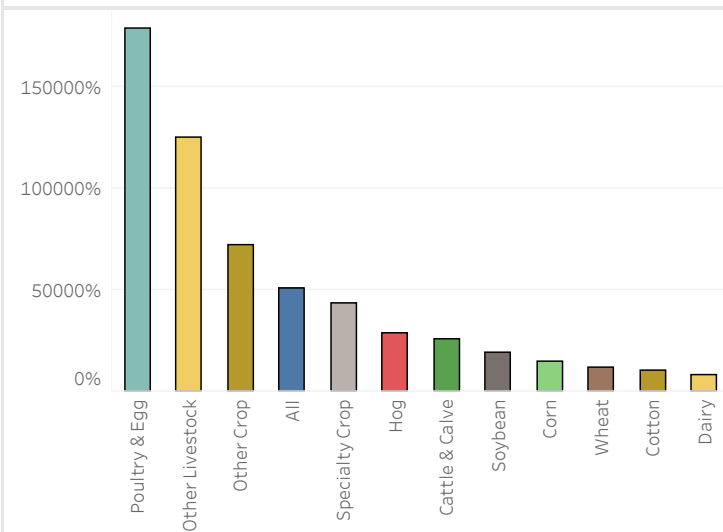
For more information see: <https://www.ers.usda.gov/topics/farm-economy/farm-household-well-being/>

## Financial Metrics using ARMS Data

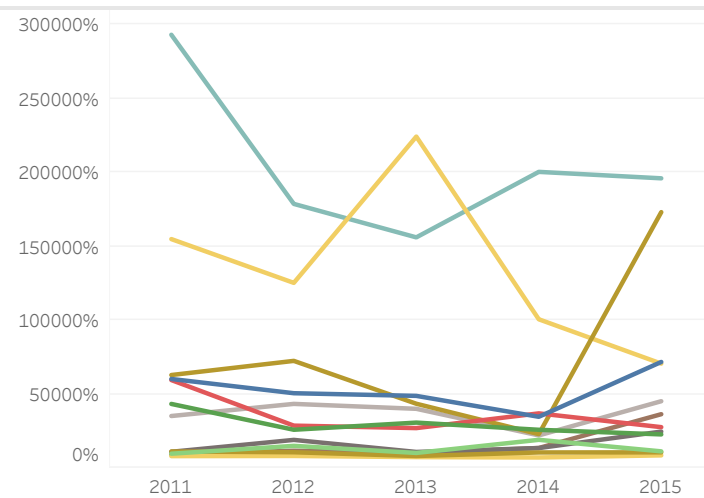
Debt Service Ratio	Explore the Liquidity Ratios	Efficiency Ratios	Asset Turnover Ratio	Operating Expense Ratio	Profitability Ratios	Operating Profit Margin Ratio	Total Rate of Return on Farm Equity	Total Rate of Return on Farm Assets
--------------------	------------------------------	-------------------	----------------------	-------------------------	----------------------	-------------------------------	-------------------------------------	-------------------------------------

Over the past 5 years, Poultry & Egg and Other Livestock producers have maintained a greater operating expense ratio than all other producers.

2012 Average Operating Expense Ratio of Commodity Specialty



All Average Operating Expense Ratio by Commodity Specialty



2012  
Year

### Class Variable Name

Poultry & Egg	All	Cattle & Calve	Wheat
Other Livestock	Specialty Crop	Soybean	Cotton
Other Crop	Hog	Corn	Dairy

The operating expense ratio measures the amount of cash the farm sector spends to generate a dollar of production. According to the FFSC guidelines, the denominator is gross revenues. However, its definition of gross revenues matches the value of production calculation in the farm income and wealth statistics data product.

Therefore, the ratio can be thought of as the proportion of production required to cover operating expenses. Higher values indicate a greater proportion of production is required to cover operating expenses, signifying less efficiency in converting production to profits. Values less than one indicate production exceeds cash expens..

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

For more information see: <https://www.ers.usda.gov/topics/farm-economy/farm-household-well-being/>

Financial Metrics using ARMS Data

Debt Servi ce R..	Explore the Liquidity Ratios	Efficiency Ratios	Asset Turnover Ratio	Operating Expense Ratio	Profitability Ratios	Operating Profit Margin Ratio	Total Rate of Return on Farm Equity	Total Rate of Return on Farm Assets
-------------------------	---------------------------------	-------------------	-------------------------	----------------------------	-------------------------	----------------------------------	---	---

Profitability Ratios

Solvency ratios compare the amount of debt relative to equity invested in the farm sector. The ratios are often referred to as measuring “leverage,” which is the amount of debt used to finance assets. As a result, the ratios provide a measure of the sector's ability to repay financial liabilities via the sale of assets. By providing a picture of the sector's current financial position, the ratios also measure the farm sector's risk exposure and ability to overcome adverse financial events.

None None Total Debt by None	None None Total Debt by None	None None Total Debt by None
------------------------------	------------------------------	------------------------------

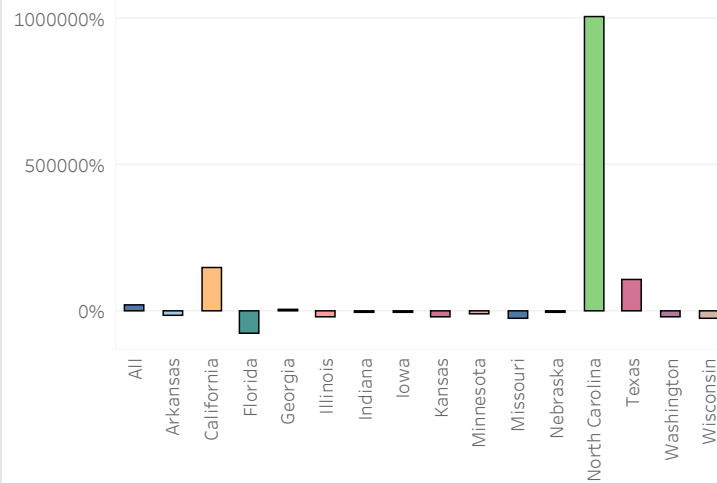
Class Variable Name	Amount	Statistic Name	Variable Name	Variable Name	Class Category Name	Variable Name
<input type="checkbox"/> All	58,884 to 1.575580..	None	Total Debt	Total Debt		Total Debt
<input type="checkbox"/> Arkansas						
		Year	Class Category Name			
		None	None			

## Financial Metrics using ARMS Data

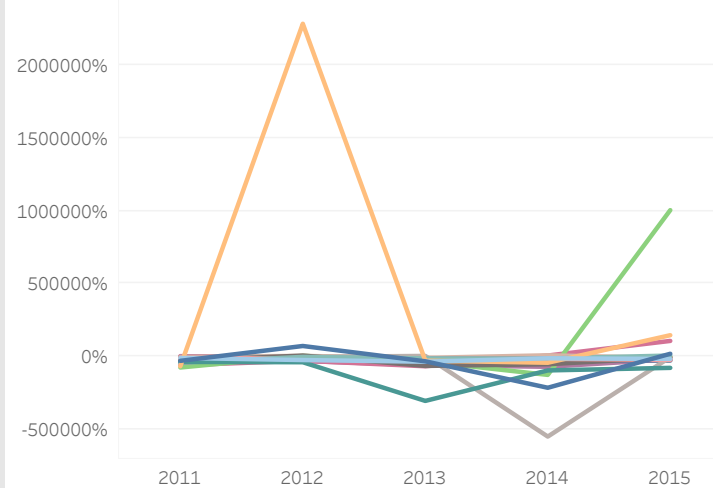
Debt Service R..	Explore the Liquidity Ratios	Efficiency Ratios	Asset Turnover Ratio	Operating Expense Ratio	Profitability Ratios	Operating Profit Margin Ratio	Total Rate of Return on Farm Equity	Total Rate of Return on Farm Assets
------------------	------------------------------	-------------------	----------------------	-------------------------	----------------------	-------------------------------	-------------------------------------	-------------------------------------

### Need to add to story

2015 Average Operating Profit Margin Ratio of States



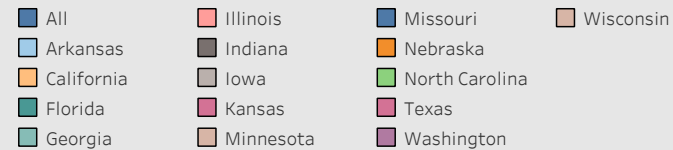
All Average Operating Profit Margin Ratio by States



Year

2015

Class Variable Name



The operating profit margin ratio measures profitability as a proportion of total production. This ratio increases as expenses decrease relative to value of production. Higher values mean the sector is efficiently converting production into returns (net farm income, interest, and returns to unpaid labor and management).

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

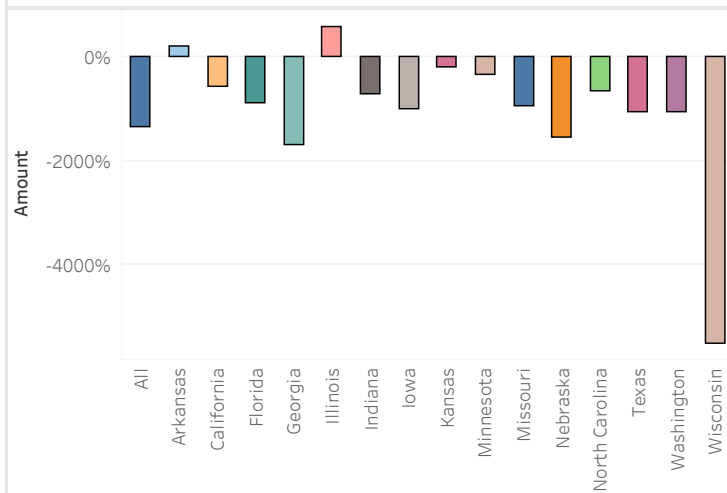


# Financial Metrics using ARMS Data

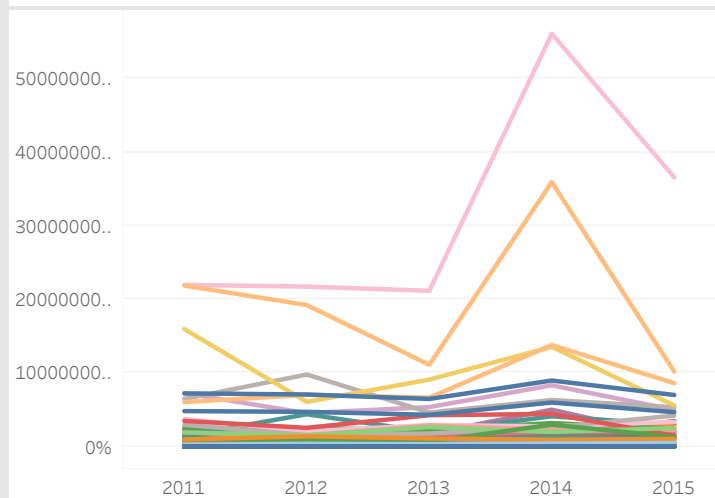
Debt Service R..	Explore the Liquidity Ratios	Efficiency Ratios	Asset Turnover Ratio	Operating Expense Ratio	Profitability Ratios	Operating Profit Margin Ratio	Total Rate of Return on Farm Equity	Total Rate of Return on Farm Assets
------------------	------------------------------	-------------------	----------------------	-------------------------	----------------------	-------------------------------	-------------------------------------	-------------------------------------

Need story here

2015 Average Total Rate of Return on Farm Equity of States

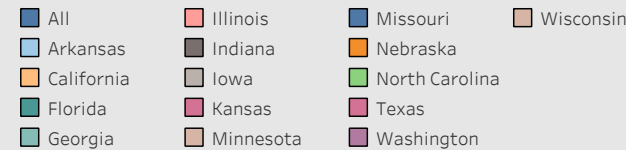


All All All by None



2015  
Year

Class Variable Name



The rate of return on farm equity can be broken down into the returns from farm operations and capital gains. The rate of return from income provides a measure of farm operation profitability. Changes in the value of farm sector assets are used to measure the returns from capital gains. By including the return from farm operation..

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

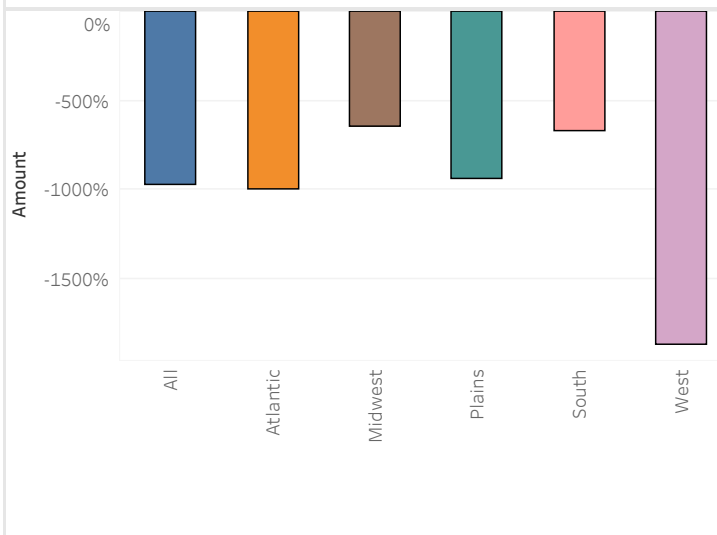
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

## Financial Metrics using ARMS Data

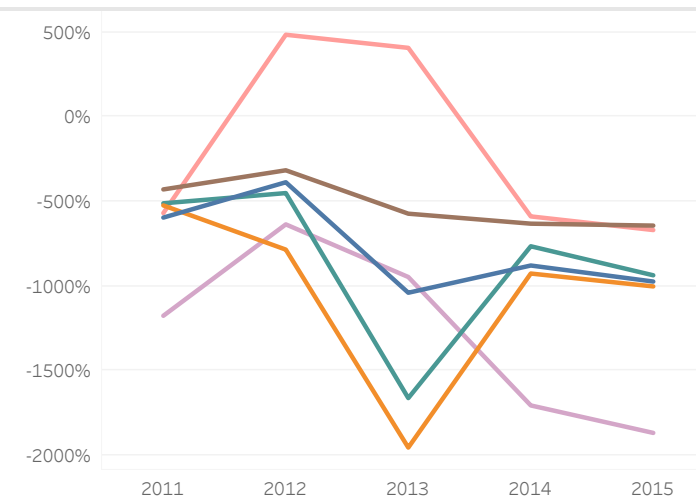
Debt Service R..	Explore the Liquidity Ratios	Efficiency Ratios	Asset Turnover Ratio	Operating Expense Ratio	Profitability Ratios	Operating Profit Margin Ratio	Total Rate of Return on Farm Equity	Total Rate of Return on Farm Assets
------------------	------------------------------	-------------------	----------------------	-------------------------	----------------------	-------------------------------	-------------------------------------	-------------------------------------

### Need story

2015 Average Total Rate of Return on Farm Assets of Regions



All Average Total Rate of Return on Farm Assets by Regions



Year  
2015

#### Class Variable Name

■ All
 ■ Midwest
 ■ South  
■ Atlantic
 ■ Plains
 ■ West

The working capital to gross revenues ratio measures the working capital relative to the size of the farm sector.

Created by: The Farm Income Team

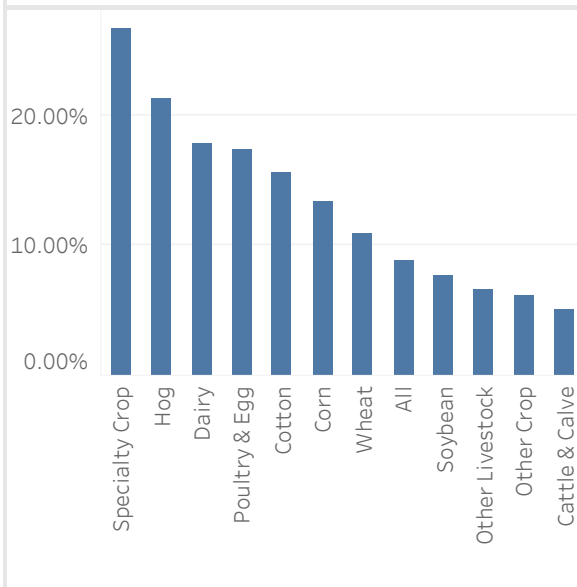
Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

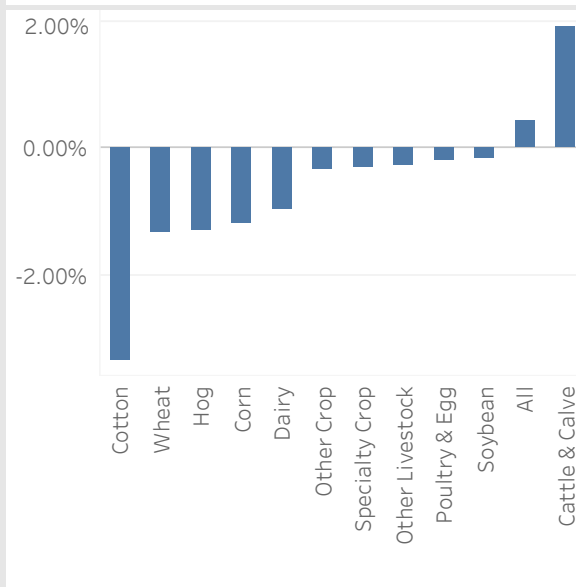
# Solvency Ratios

Solvency ratios compare the amount of debt relative to equity invested in the farm sector. The ratios are often referred to as measuring “leverage,” which is the amount of debt used to finance assets. As a result, the ratios provide a measure of the sector’s ability to repay financial liabilities via the sale of assets. By providing a picture of the sector’s current financial position, the ratios also measure the farm sector’s risk exposure and ability to overcome adverse financial events.

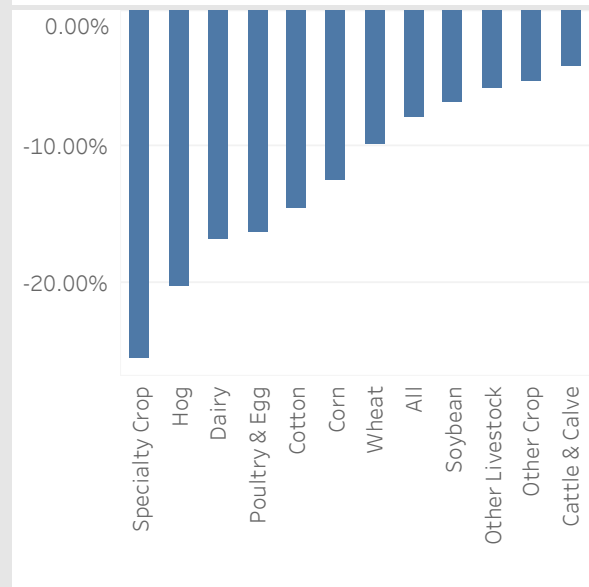
2013 Average Debt-to-asset ratio by  
Commodity Specialty



2013 Average Debt-to-equity ratio by  
Commodity Specialty



2013 Average Equity-to-asset ratio by  
Commodity Specialty



Class Category Name

Commodity Specialty

Year

2013

Class Category Name

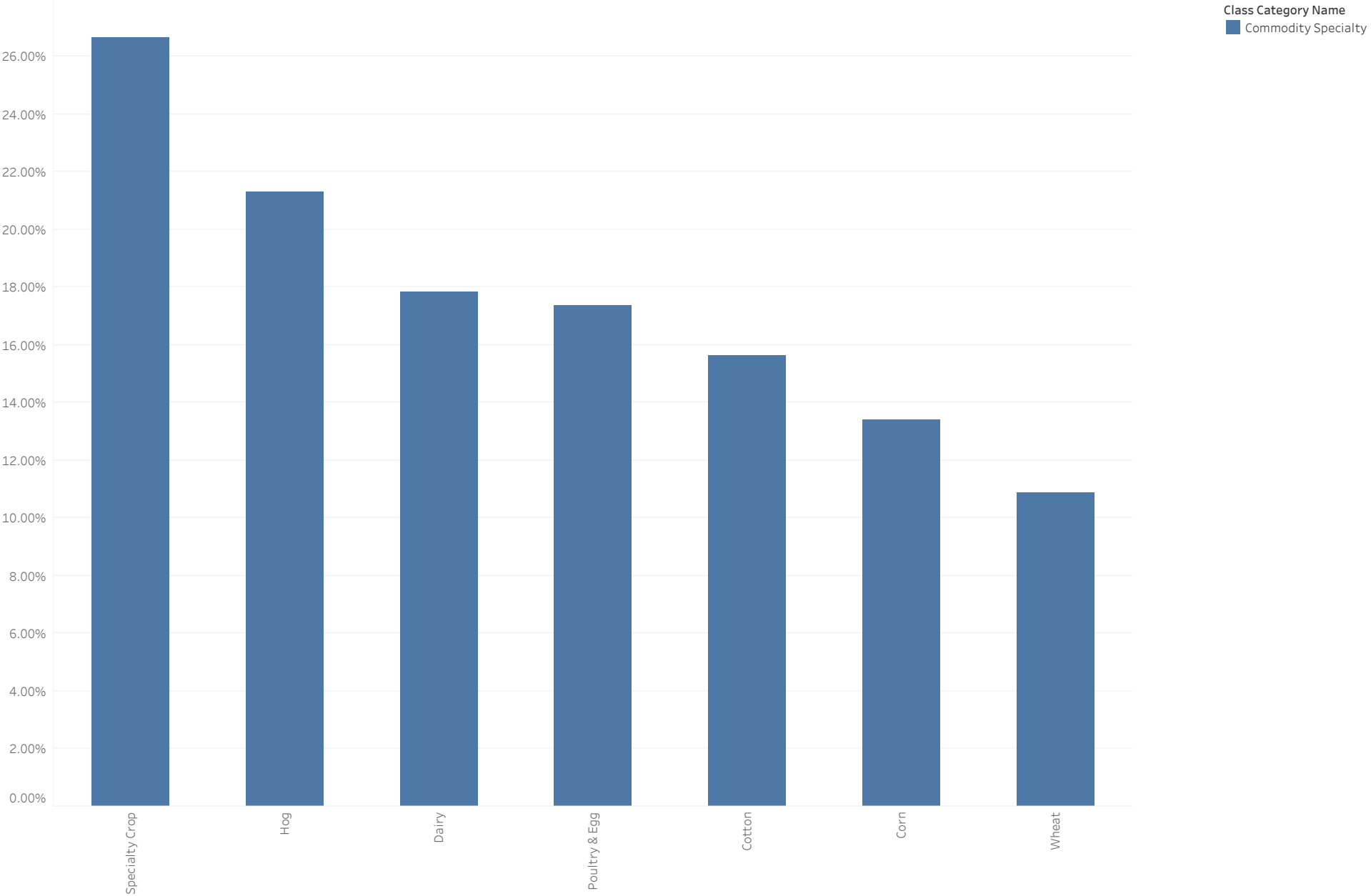
Commodity Specialty

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

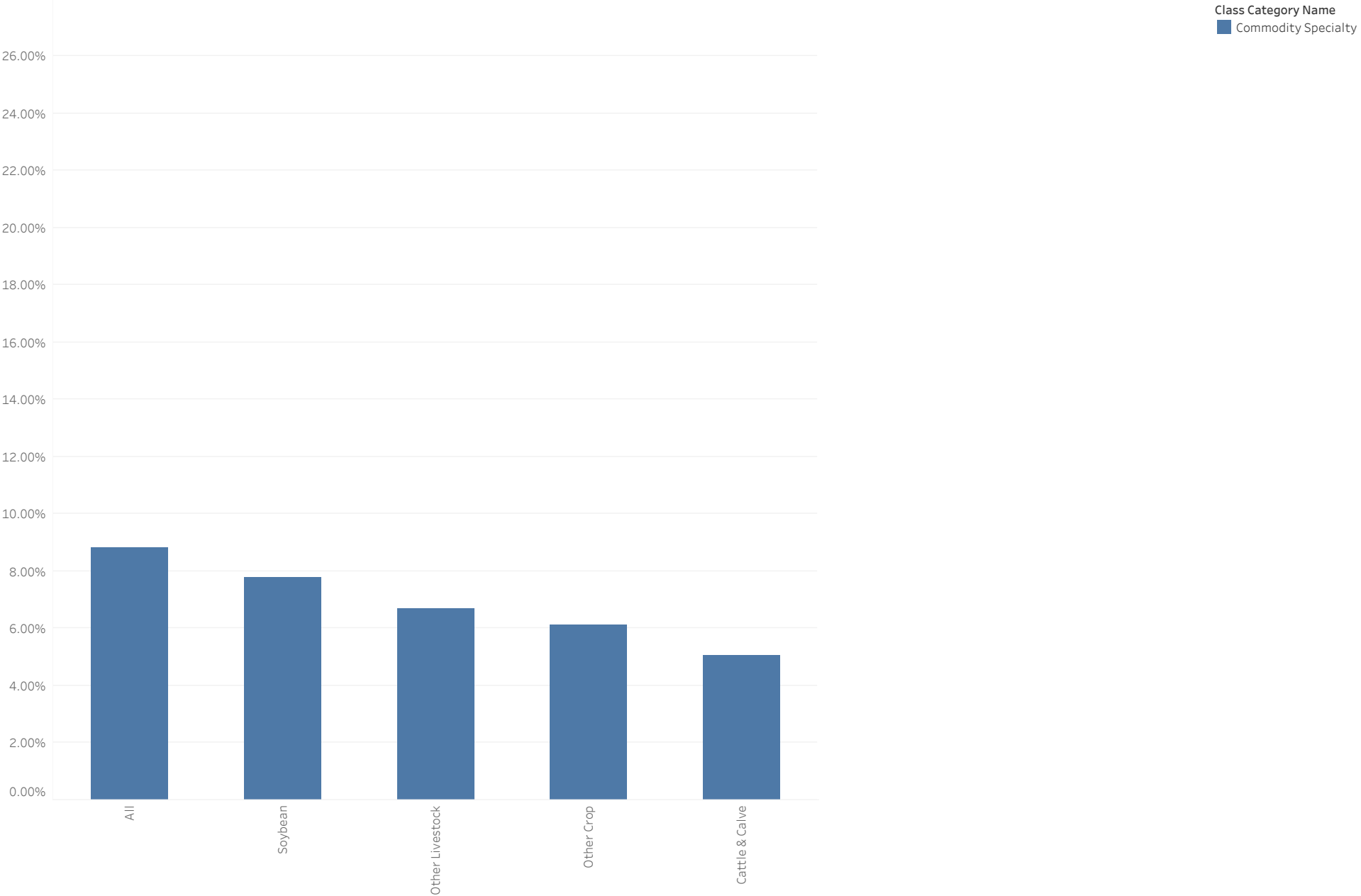
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

2013 Average Debt-to-asset ratio by Commodity Specialty



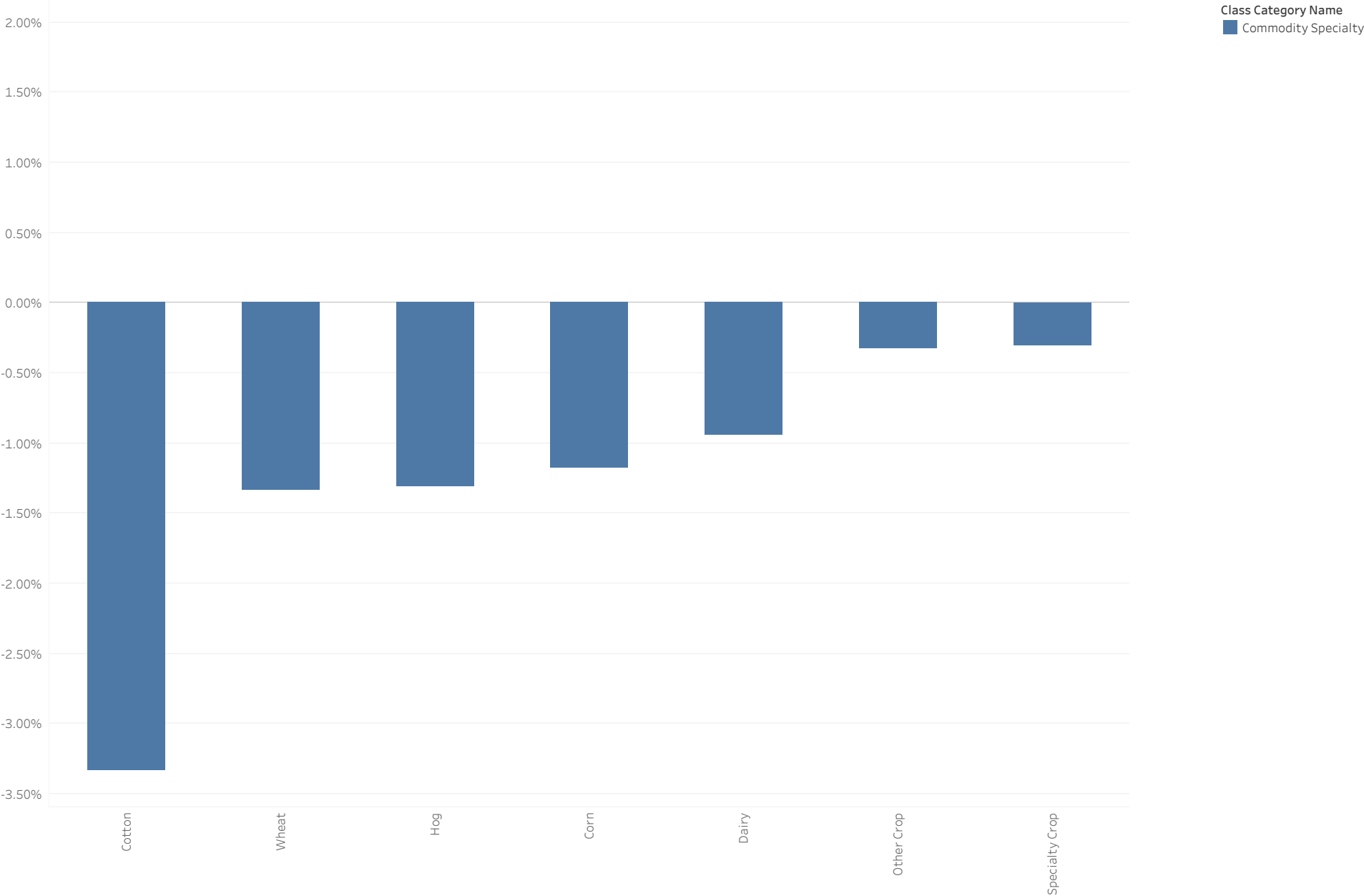
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Category Name, Class Variable Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Debt-to-asset ratio. The Class Category Name filter keeps Commodity Specialty. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average.

2013 Average Debt-to-asset ratio by Commodity Specialty



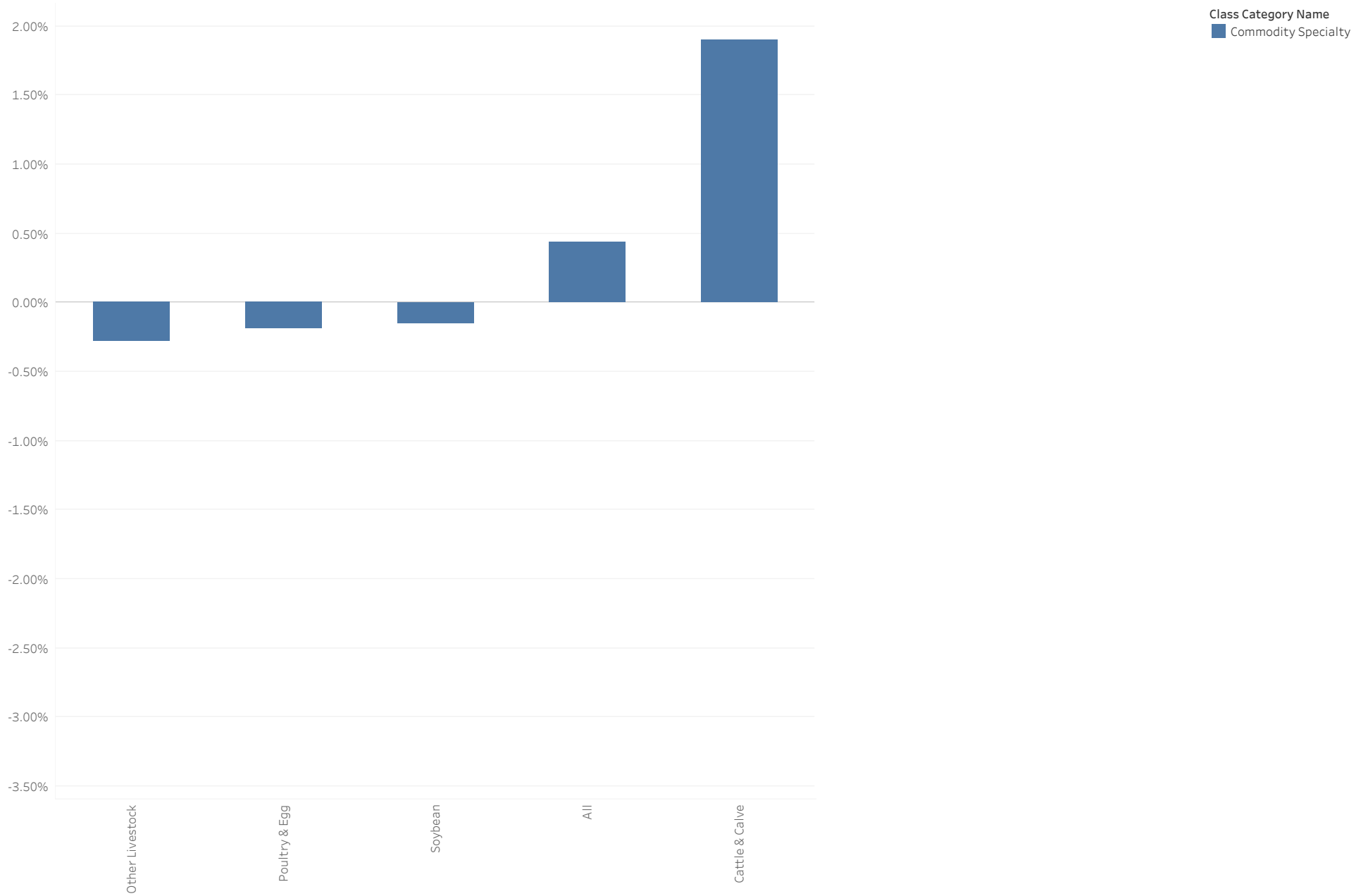
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Category Name, Class Variable Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Debt-to-asset ratio. The Class Category Name filter keeps Commodity Specialty. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average.

2013 Average Debt-to-equity ratio by Commodity Specialty

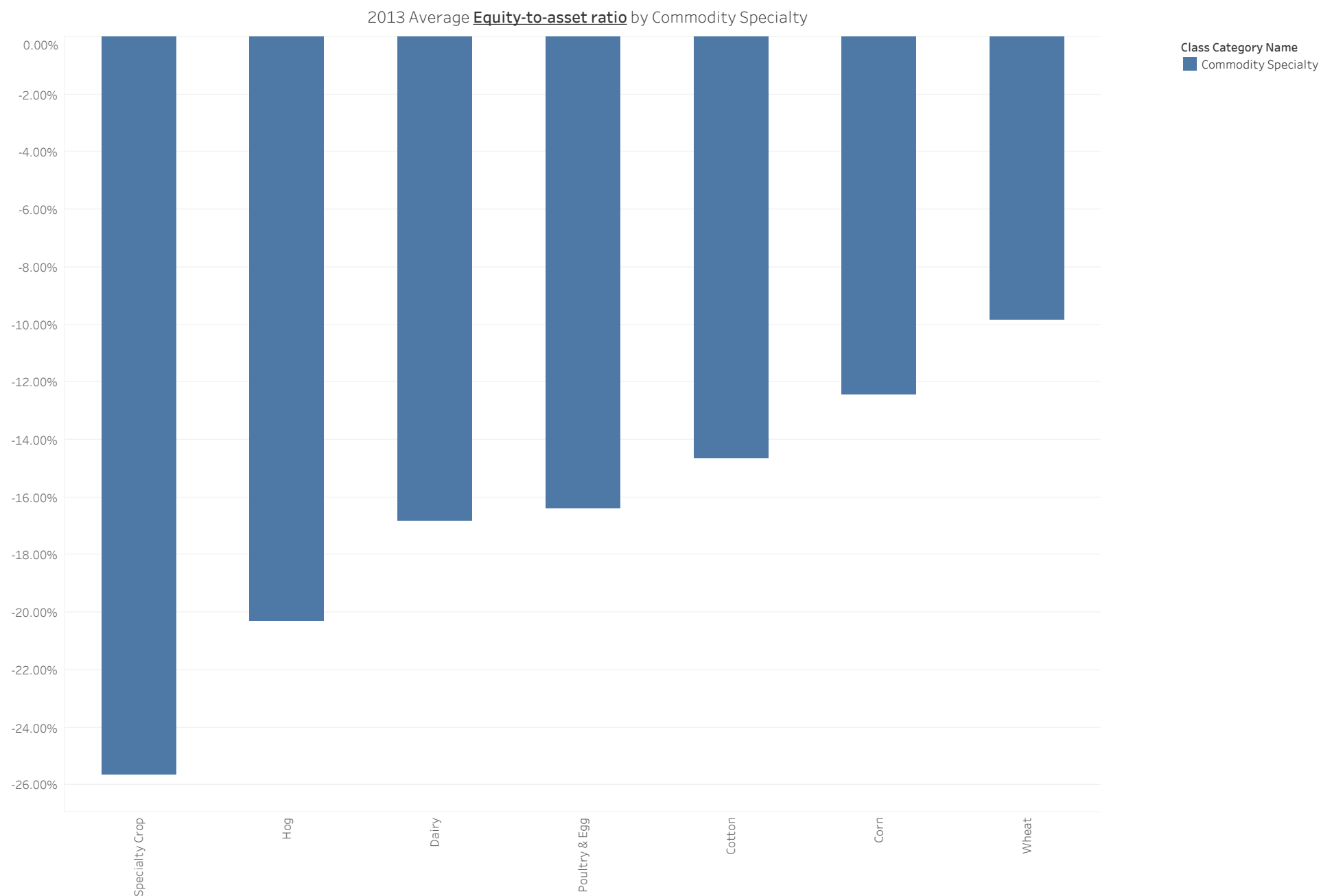


Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Category Name, Class Variable Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Debt-to-equity ratio. The Class Category Name filter keeps Commodity Specialty. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average.

2013 Average Debt-to-equity ratio by Commodity Specialty

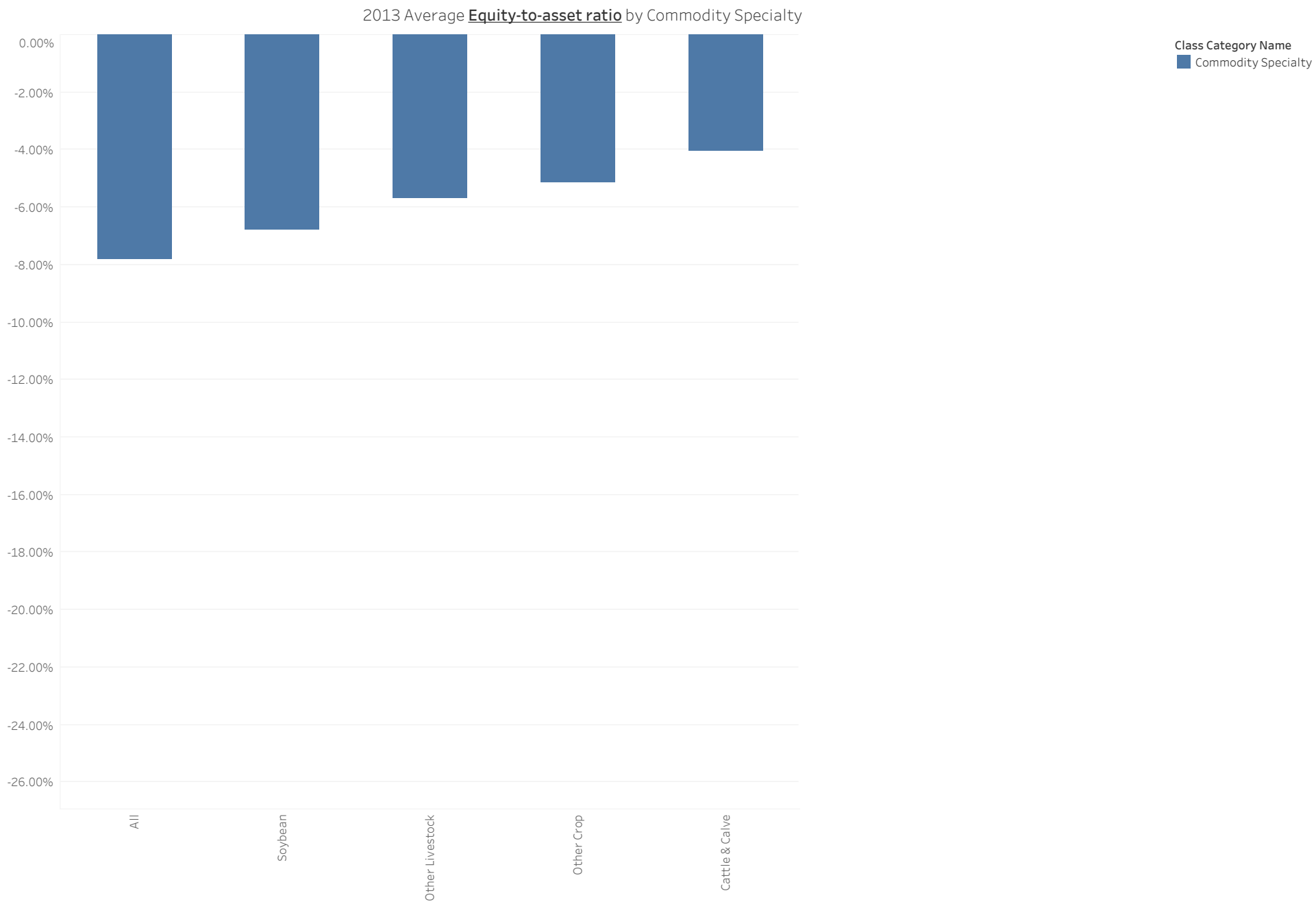


Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Category Name, Class Variable Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Debt-to-equity ratio. The Class Category Name filter keeps Commodity Specialty. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average.



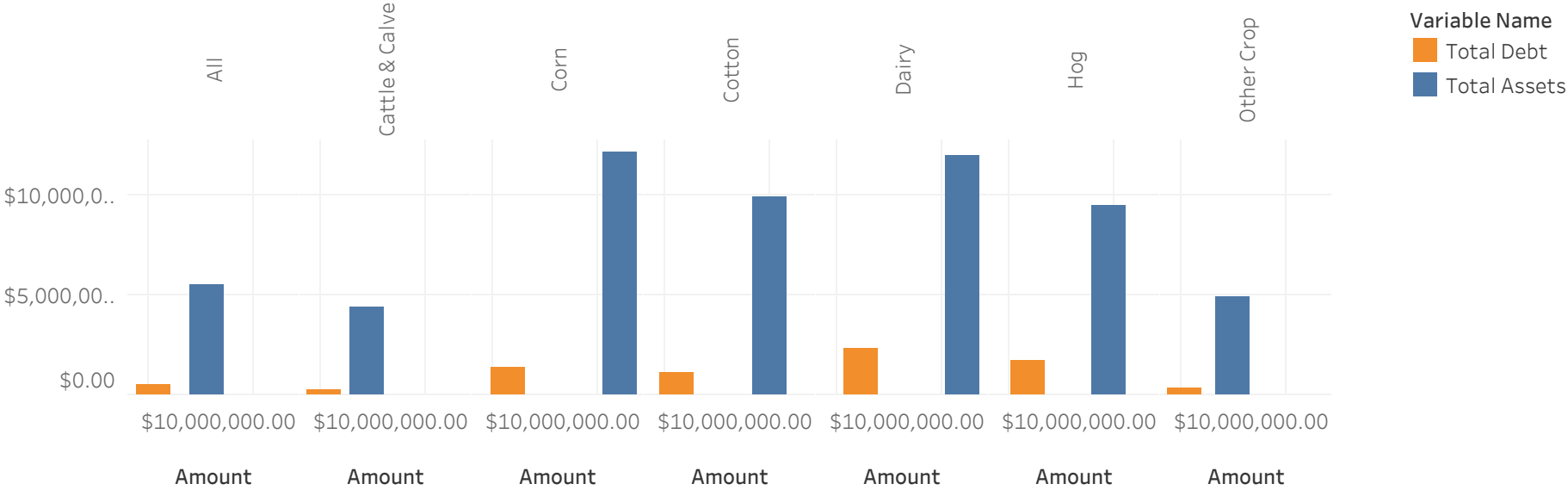
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Category Name, Class Variable Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Equity-to-asset ratio. The Class Category Name filter keeps Commodity Specialty. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average.



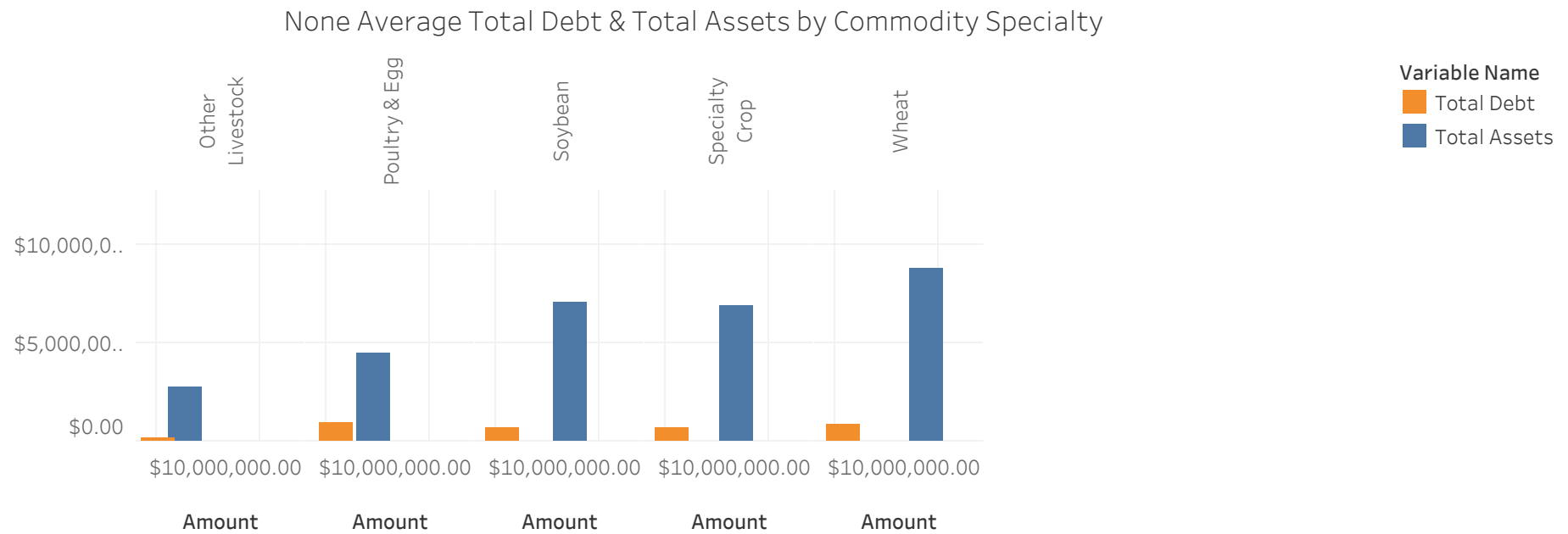


Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Category Name, Class Variable Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Equity-to-asset ratio. The Class Category Name filter keeps Commodity Specialty. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average.

None Average Total Debt & Total Assets by Commodity Specialty



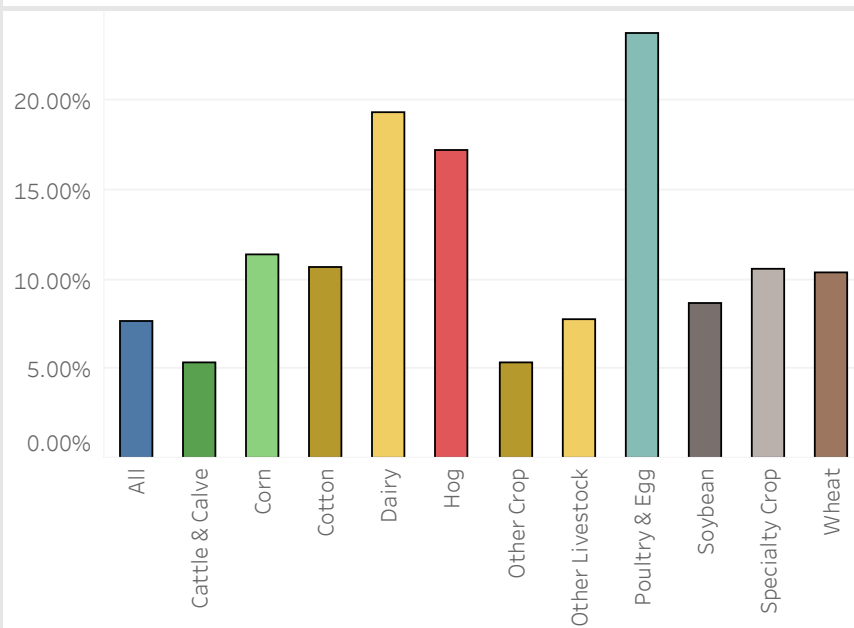
Amount vs. Amount broken down by Class Variable Name. Color shows details about Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Commodity Specialty. The view is filtered on sum of Amount, Statistic Name, Variable Name and Class Variable Name. The sum of Amount filter keeps all values. The Statistic Name filter keeps Average. The Variable Name filter keeps Total Assets and Total Debt. The Class Variable Name filter keeps 42 of 42 members.



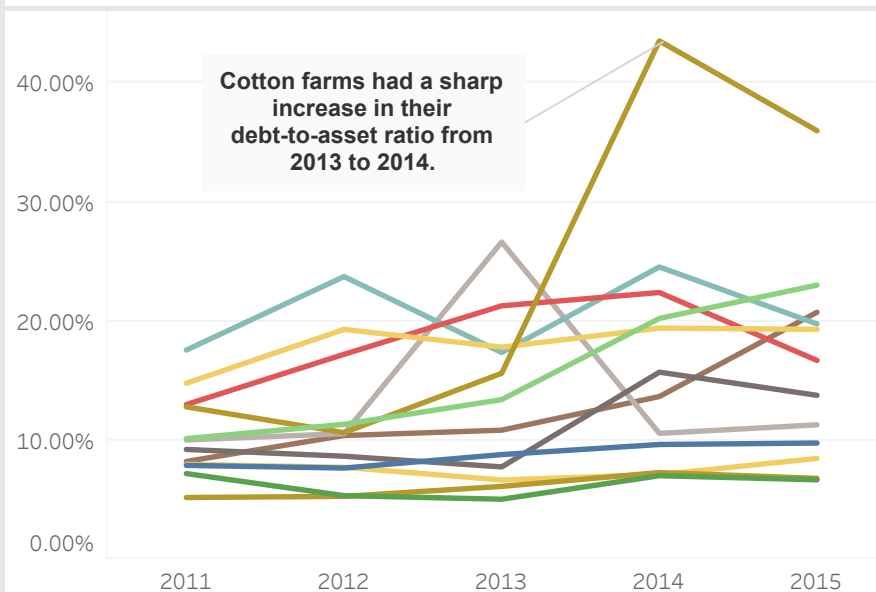
Amount vs. Amount broken down by Class Variable Name. Color shows details about Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Commodity Specialty. The view is filtered on sum of Amount, Statistic Name, Variable Name and Class Variable Name. The sum of Amount filter keeps all values. The Statistic Name filter keeps Average. The Variable Name filter keeps Total Assets and Total Debt. The Class Variable Name filter keeps 42 of 42 members.

More than half of all commodities had an average debt-to-asset ratio greater than the nation's average debt-to-asset ratio, with cotton farms having the greatest debt-to-asset ratio in 2014.

2012 Average Debt-to-asset ratio by Commodity Specialty



All Average Debt-to-asset ratio by Commodity Specialty



2012  
Year

Class Variable Name

- All
- Cattle & Calve
- Corn
- Cotton
- Dairy
- Hog
- Other Crop
- Other Livestock
- Poultry & Egg
- Soybean
- Specialty Crop
- Wheat

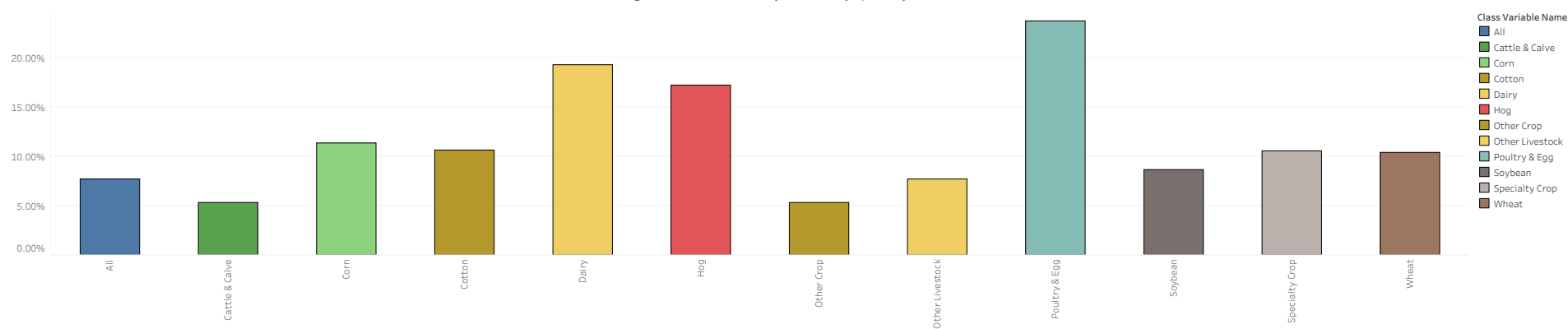
The debt-to-asset ratio measures the proportion of assets owed to creditors to cover outstanding debt obligations. Higher debt-to-asset ratios indicate more assets are financed by debt as opposed to owner capital (equity).

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

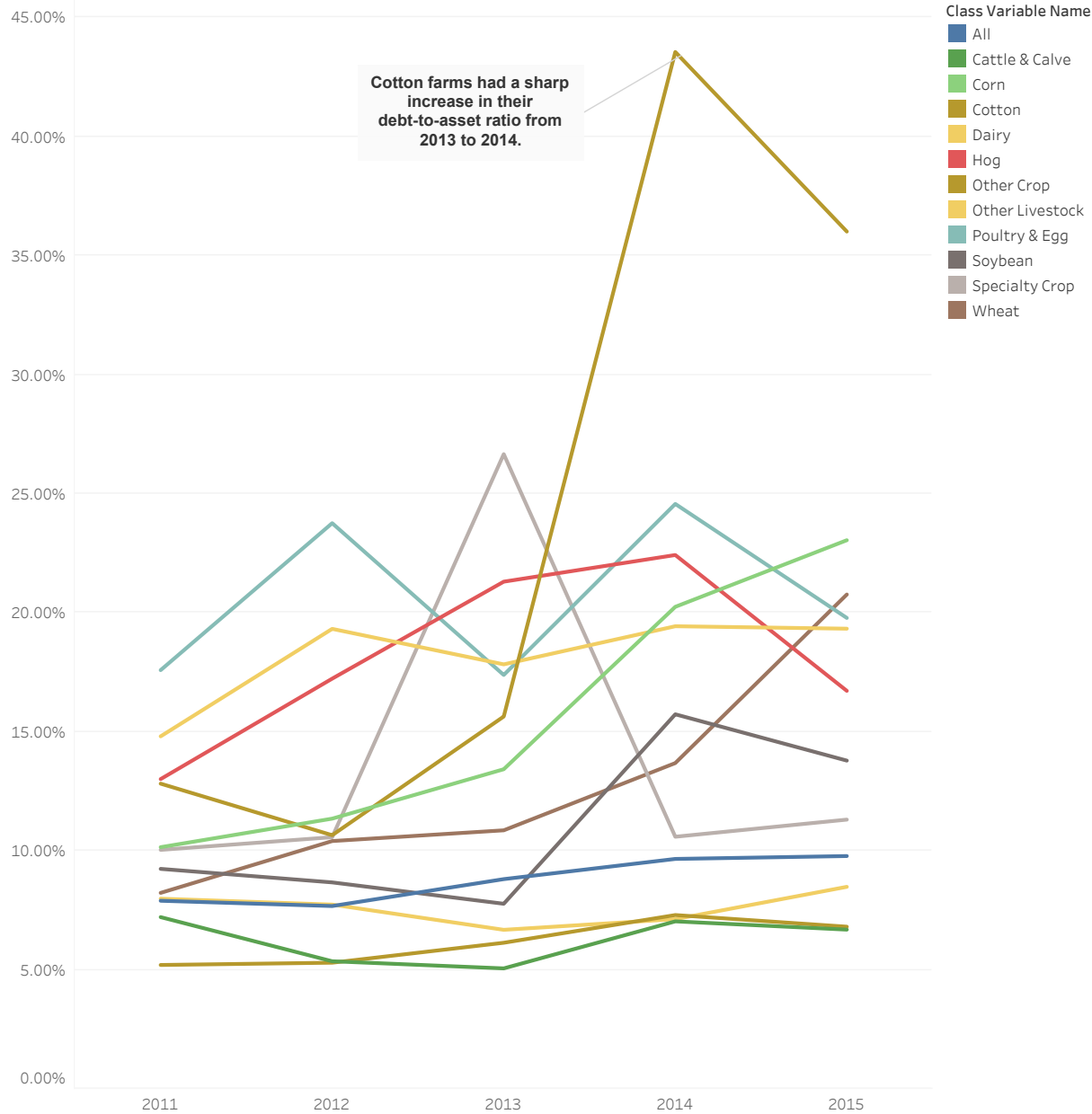
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

2012 Average Debt-to-asset ratio by Commodity Specialty



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Commodity Specialty. The view is filtered on Variable Name, Class Variable Name, Year as an attribute, Statistic Name and Year. The Variable Name filter keeps Debt-to-asset ratio. The Class Variable Name filter keeps 42 of 42 members. The Year as an attribute filter ranges from 2011 to 2015. The Statistic Name filter keeps Average. The Year filter keeps 2012.

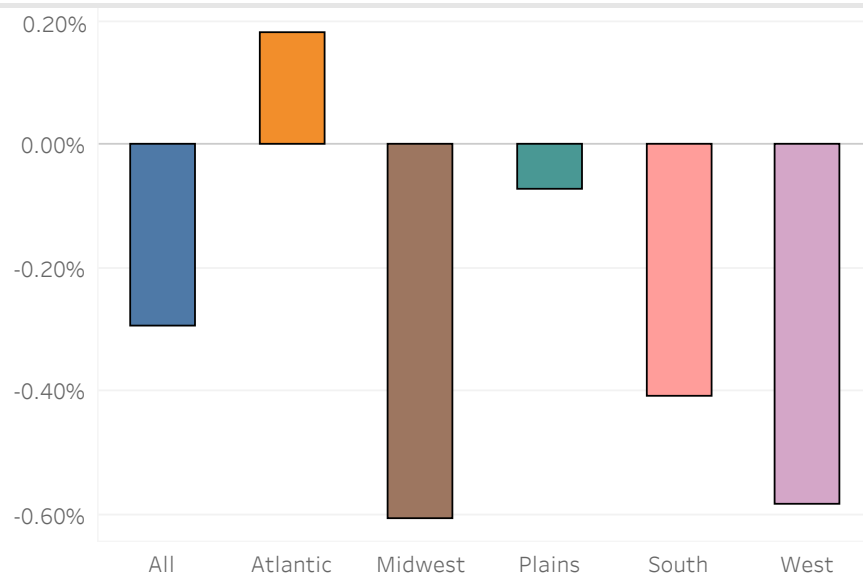
All Average Debt-to-asset ratio by Commodity Specialty



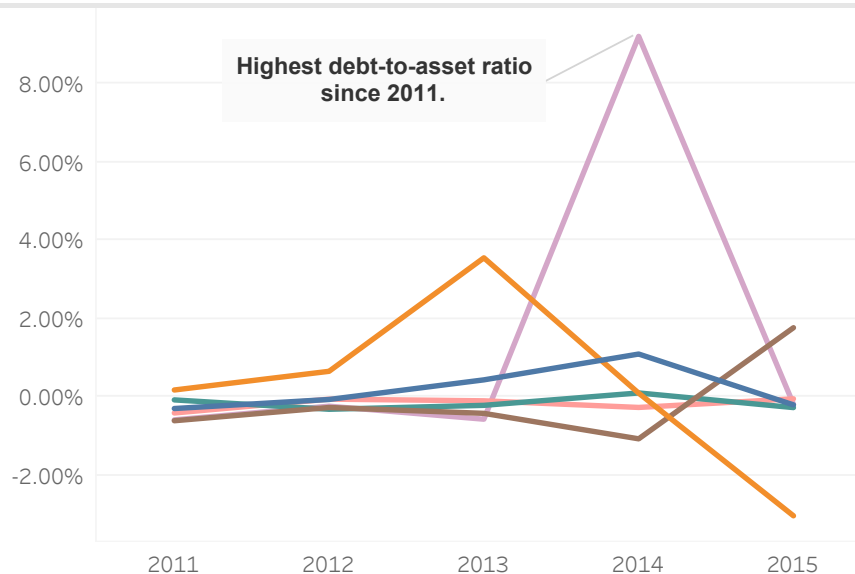
The trend of Amount for Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Commodity Specialty. The view is filtered on sum of Amount, Statistic Name, Variable Name and Class Variable Name. The sum of Amount filter keeps all values. The Statistic Name filter keeps Average. The Variable Name filter keeps Debt-to-asset ratio. The Class Variable Name filter keeps 42 of 42 members.

The average debt-to-equity ratio in the west region increased, and then decreased, substantially from 2013 to 2015, and the debt-to-equity ratio in the atlantic has steadily declined since 2013.

2011 Average Debt-to-equity ratio by Regions

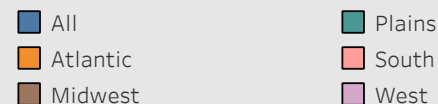


All Average Debt-to-equity ratio by Regions



2011  
Year

Class Variable Name



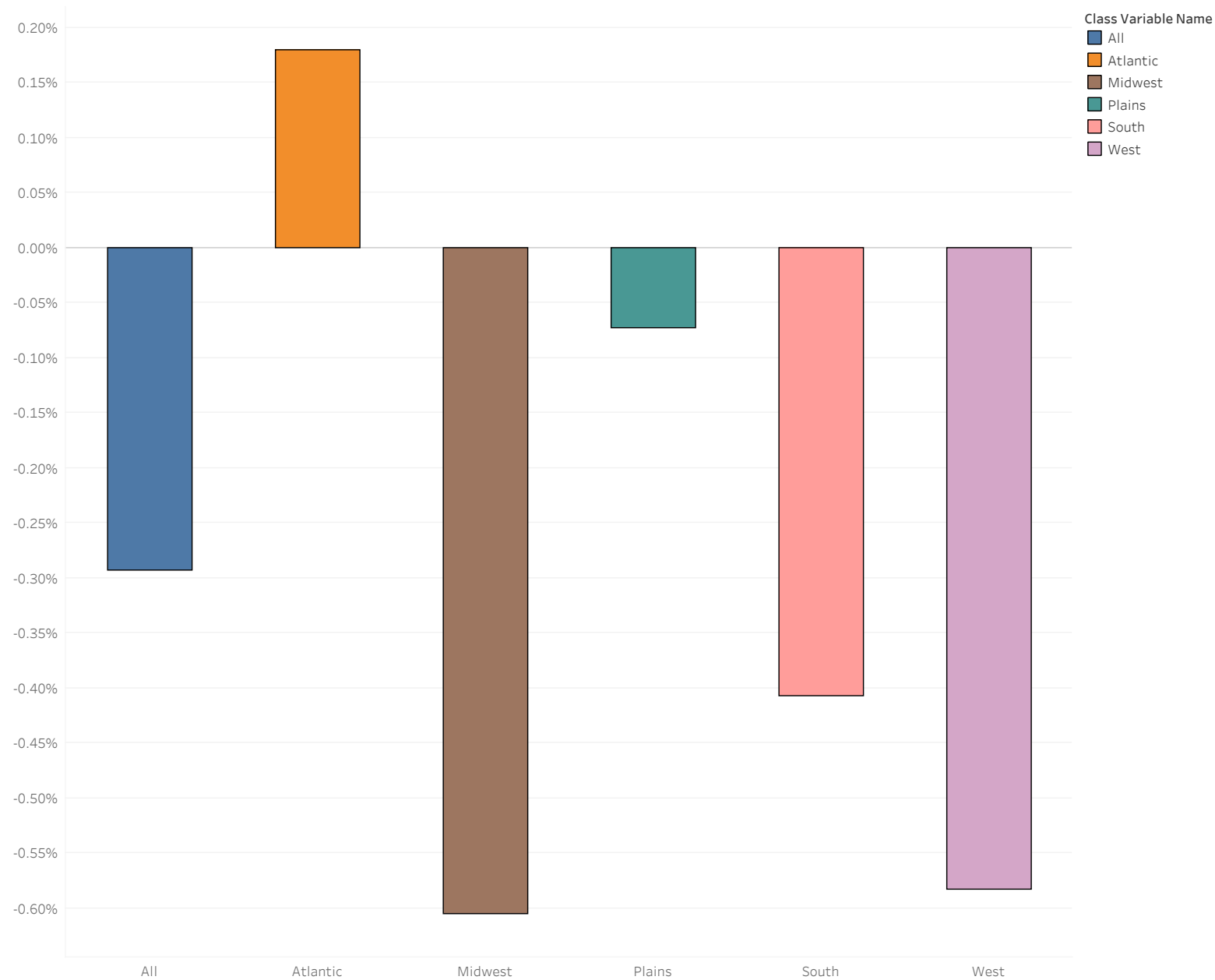
The debt-to-equity ratio measures the proportion of aggregate farm capital in the form of debt relative to owner provided capital (equity). A higher debt-to-equity ratio indicates more of the sector's assets are financed by credit relative to owner capital (equity).

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

2011 Average Debt-to-equity ratio by Regions



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2011. The Class Category Name filter keeps Regions. The view is filtered on Statistic Name, Class Variable Name and Variable Name. The Statistic Name filter keeps Average. The Class Variable Name filter keeps 42 of 42 members. The Variable Name filter keeps Debt-to-equity ratio.



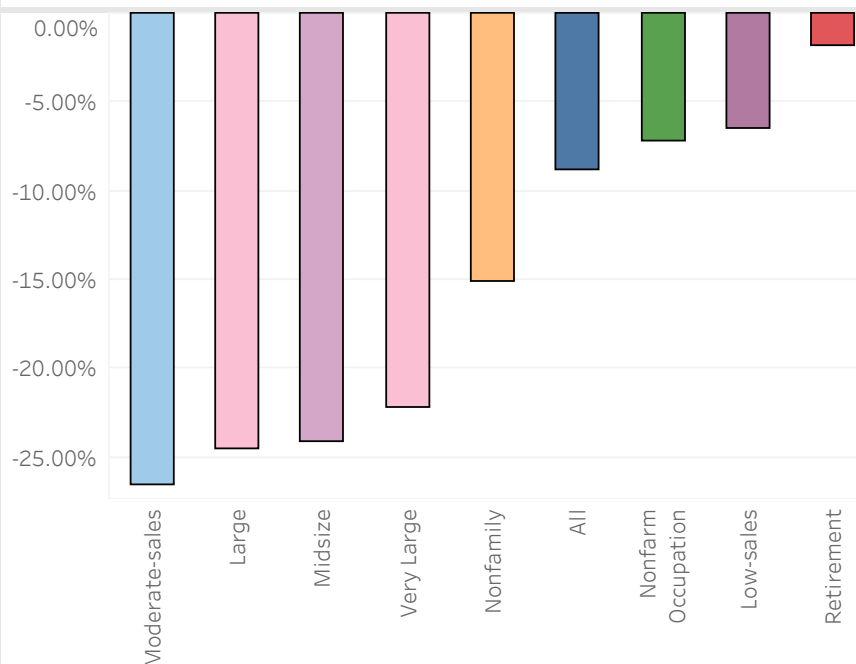
All Average Debt-to-equity ratio by Regions



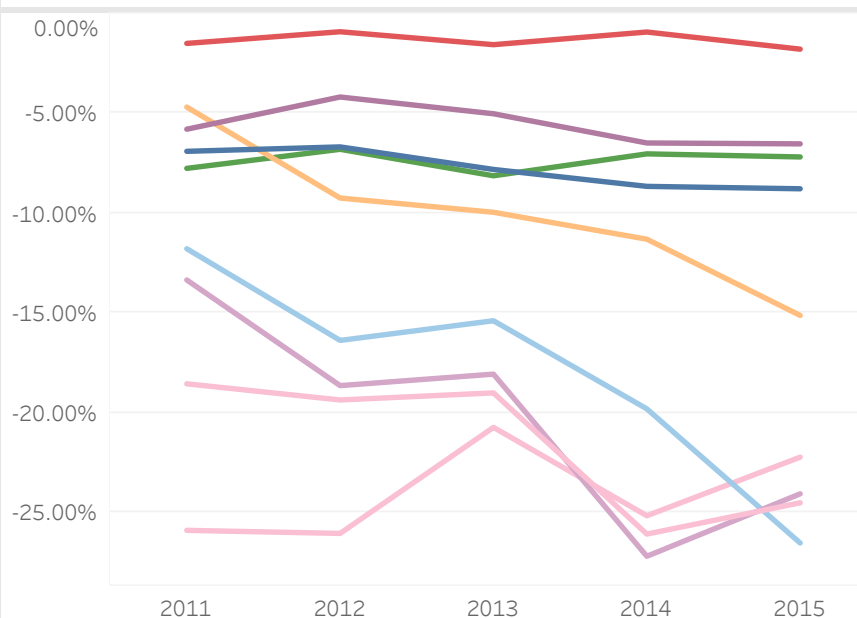
The trend of Amount for Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Regions. The view is filtered on sum of Amount, Statistic Name, Class Variable Name and Variable Name. The sum of Amount filter keeps all values. The Statistic Name filter keeps Average. The Class Variable Name filter keeps 42 of 42 members. The Variable Name filter keeps Debt-to-equity ratio.

## Vary Large, Large, Midsize, and Moderate-sales farms continue to have below average equity-to-asset ratios.

2015 Average Equity-to-asset ratio by Farm Typology



All Average Equity-to-asset ratio by Farm Typology



### Class Variable Name

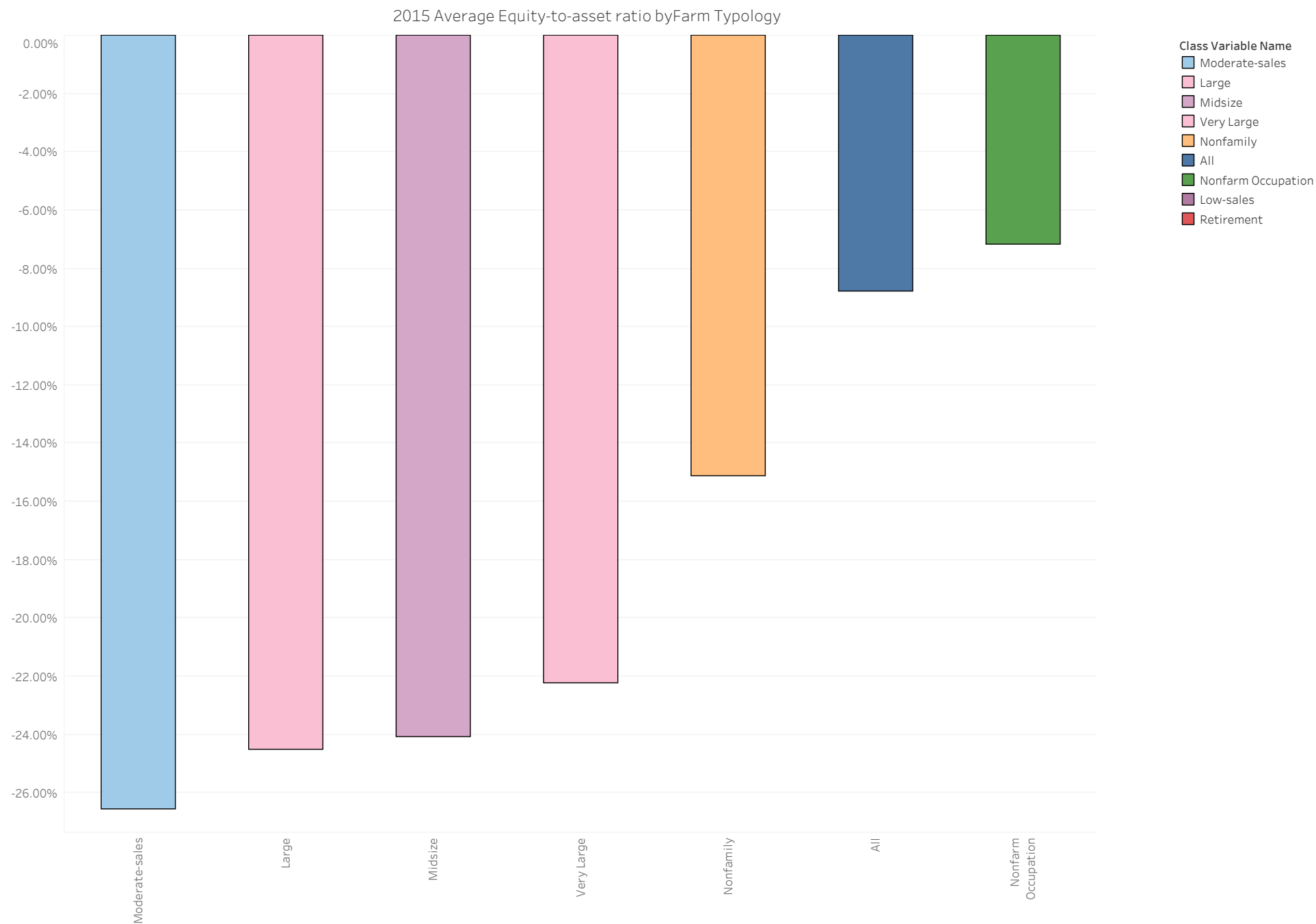
Moderate-sales	Very Large	Nonfarm Occupation
Large	Nonfamily	Low-sales
Midsize	All	Retirement

The equity-to-asset ratio measures the proportion of farm assets that were financed by the owner's capital (equity). Alternatively, the ratio can be thought of as the percentage of farm sector assets claimed by farm owners. Higher equity-to-asset ratios indicate more assets are financed by owner capital (equity) as opposed credit.

Created by: The Farm Income Team

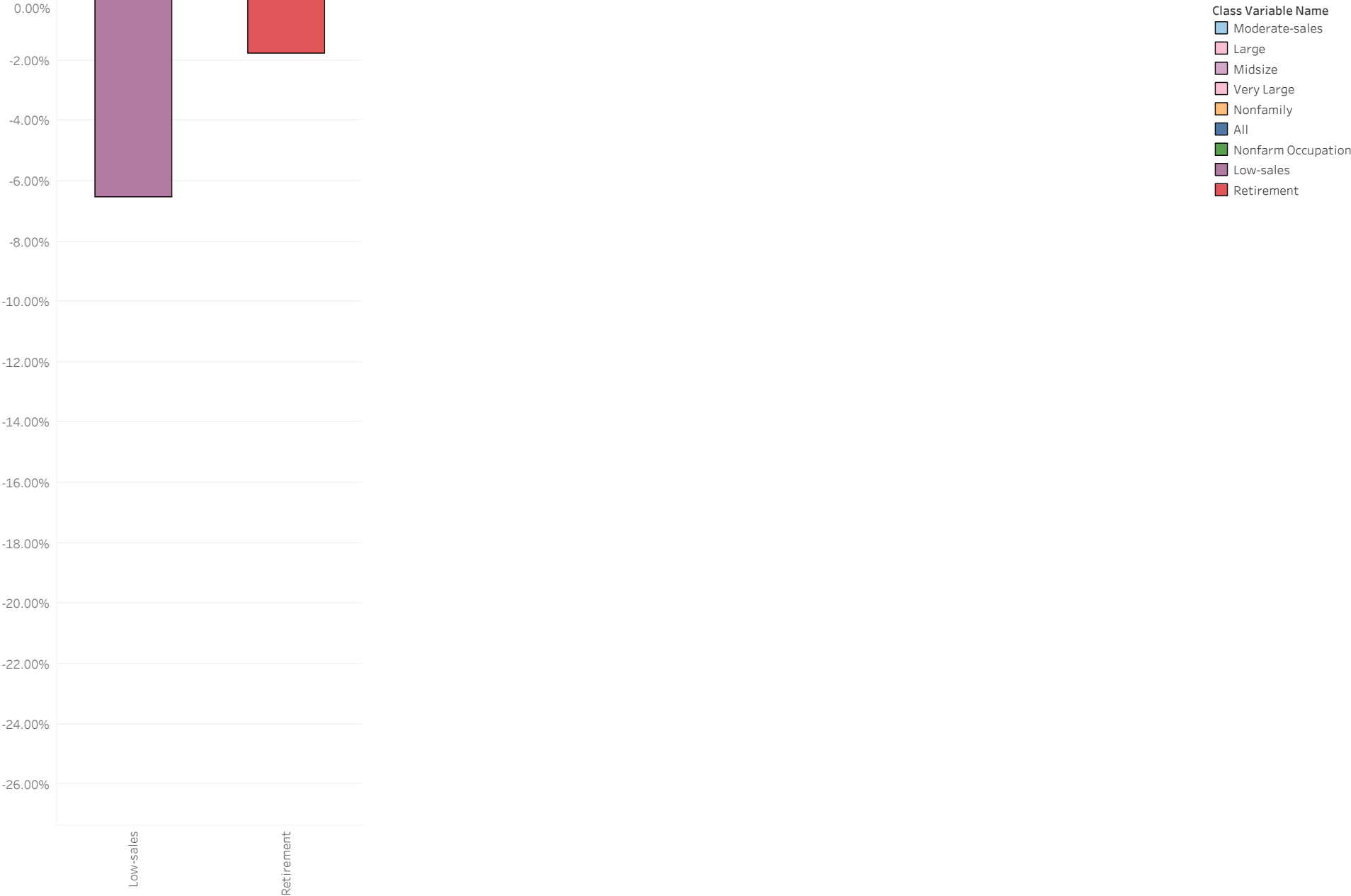
Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

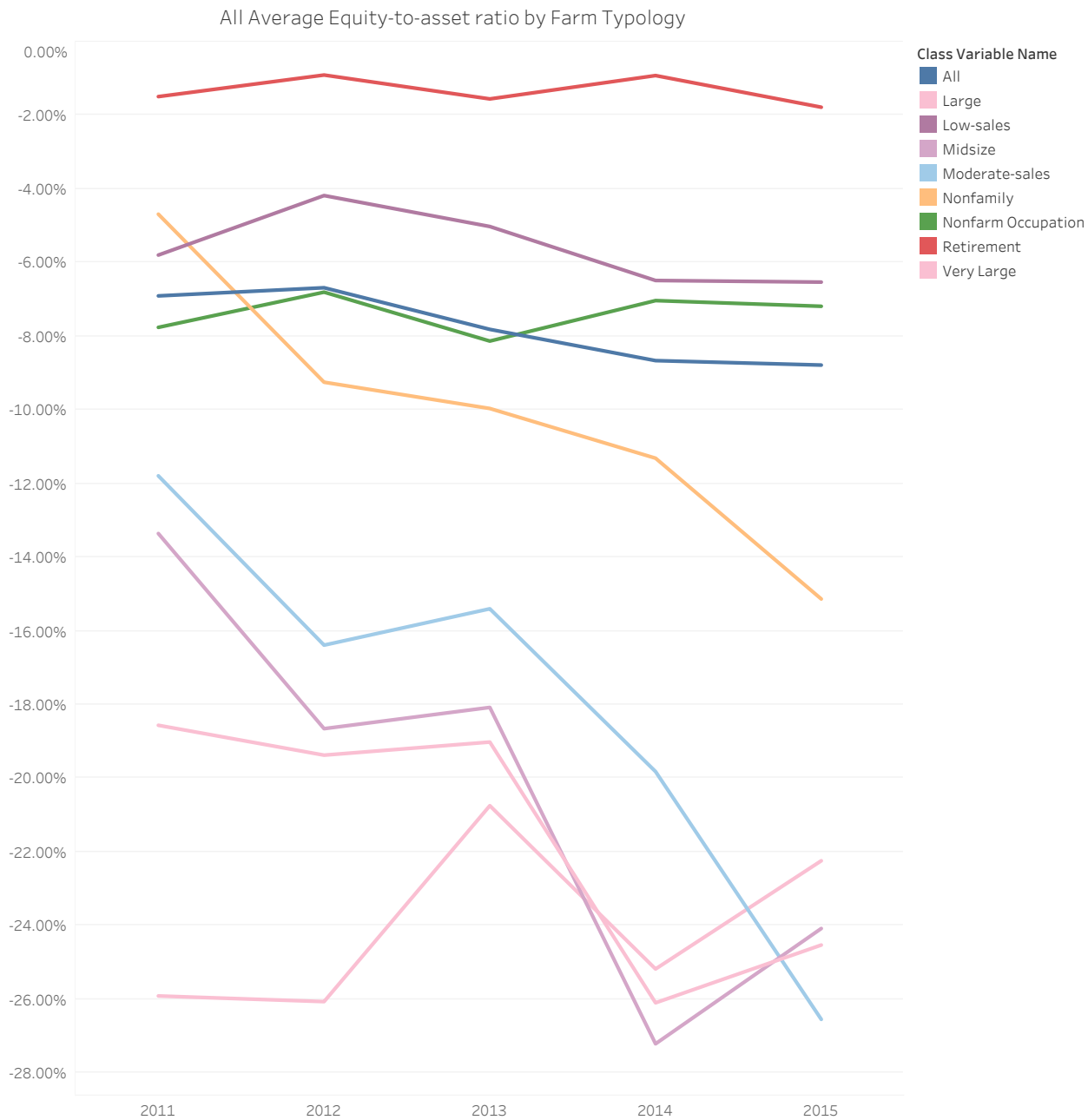


Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2015. The Class Category Name filter keeps Farm Typology. The view is filtered on Class Variable Name, Year as an attribute, Variable Name and Statistic Name. The Class Variable Name filter keeps 42 of 42 members. The Year as an attribute filter keeps all values. The Variable Name filter keeps Equity-to-asset ratio. The Statistic Name filter keeps Average.

2015 Average Equity-to-asset ratio byFarm Typology



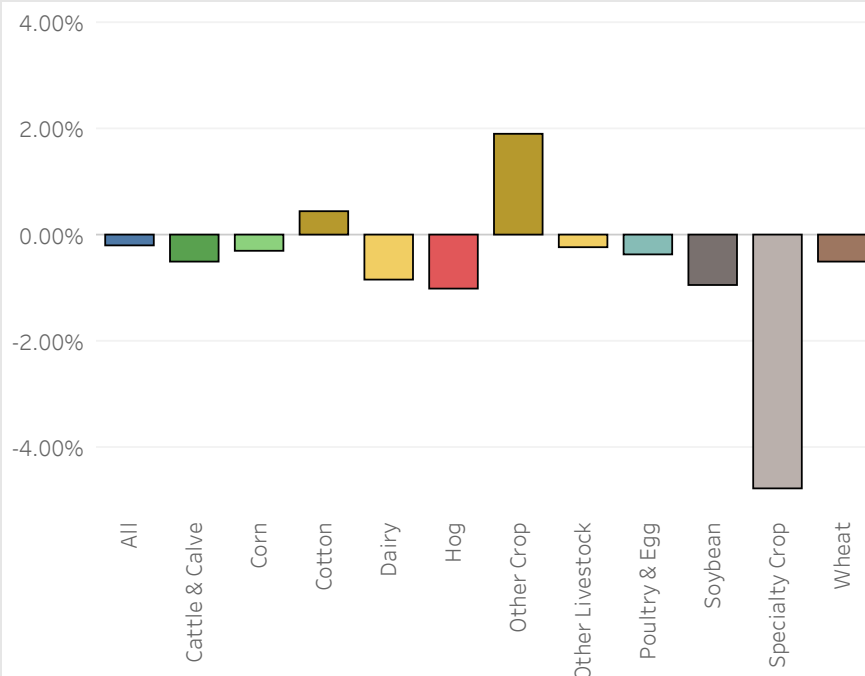
Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2015. The Class Category Name filter keeps Farm Typology. The view is filtered on Class Variable Name, Year as an attribute, Variable Name and Statistic Name. The Class Variable Name filter keeps 42 of 42 members. The Year as an attribute filter keeps all values. The Variable Name filter keeps Equity-to-asset ratio. The Statistic Name filter keeps Average.



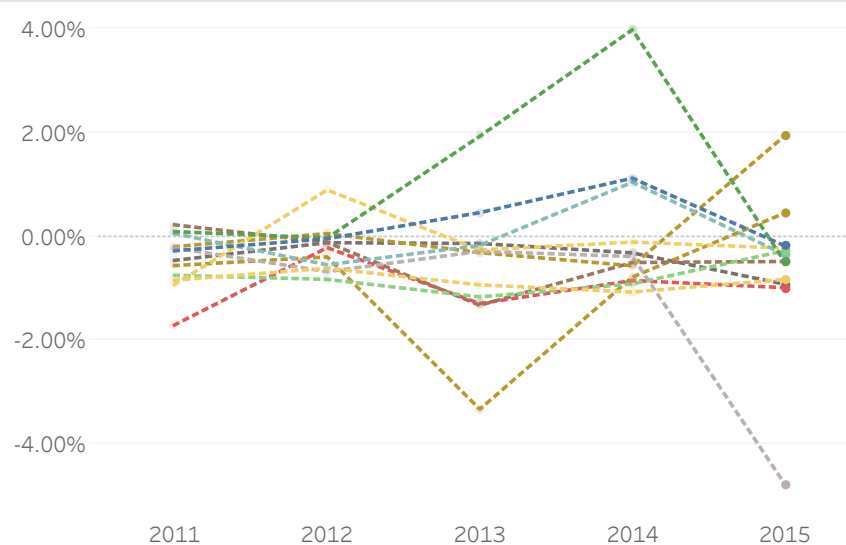
The trend of Amount for Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Farm Typology. The view is filtered on sum of Amount, Class Variable Name, Variable Name and Statistic Name. The sum of Amount filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Variable Name filter keeps Equity-to-asset ratio. The Statistic Name filter keeps Average.

## Explore for yourself: Solvency Ratios

All Average Debt-to-equity ratio by Commodity Specialty



All Average Debt-to-equity ratio by Commodity Specialty



**Solvency Ratio**  
Debt-to-equity ratio

**Statistics**  
Average

**Class Category Name**  
Commodity Specialty

**Class Variable Name**

All  
Cattle & Calve  
Corn  
Cotton  
Dairy  
Hog  
Other Crop

Other Livestock  
Poultry & Egg  
Soybean  
Specialty Crop  
Wheat

Year  
2015

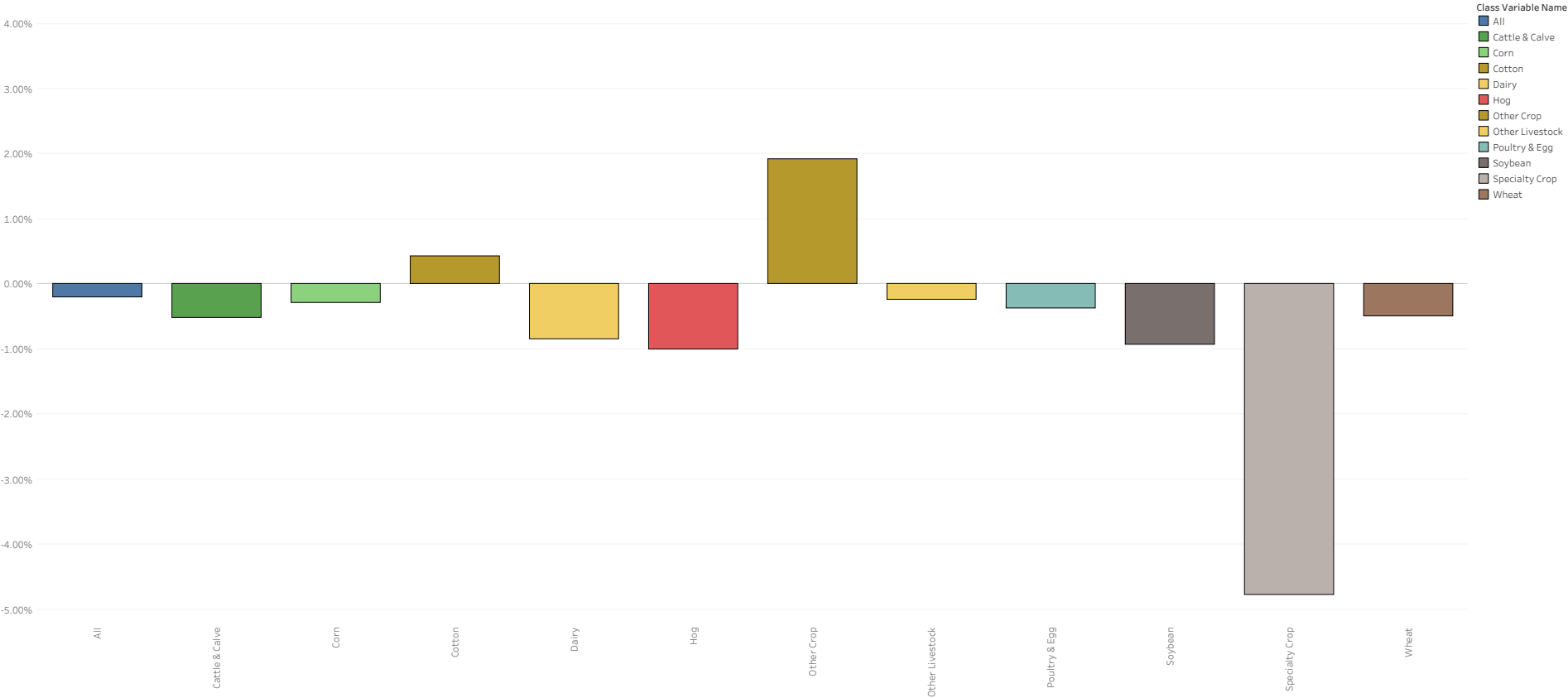
Show history

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

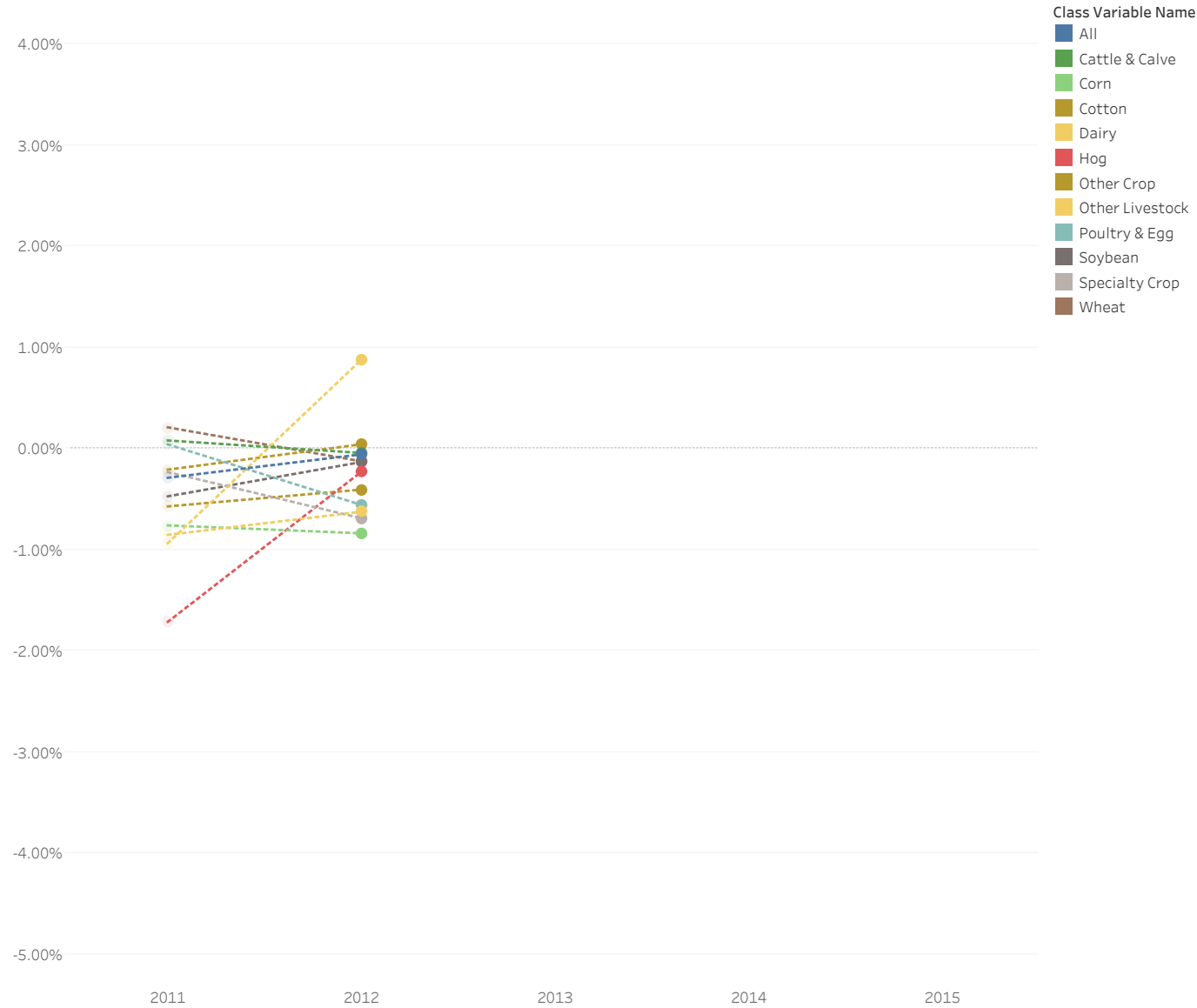
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

All Average Debt-to-equity ratio by Commodity Specialty



Amount for each Class Variable Name broken down by Class Category Name on page 2011. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Solvency Ratio and Statistics. The Solvency Ratio filter keeps 1 member. The Statistics filter keeps 1 member. The view is filtered on sum of Amount, Class Variable Name and Class Category Name. The sum of Amount filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Class Category Name filter keeps Commodity Specialty.

All Average Debt-to-equity ratio by Commodity Specialty

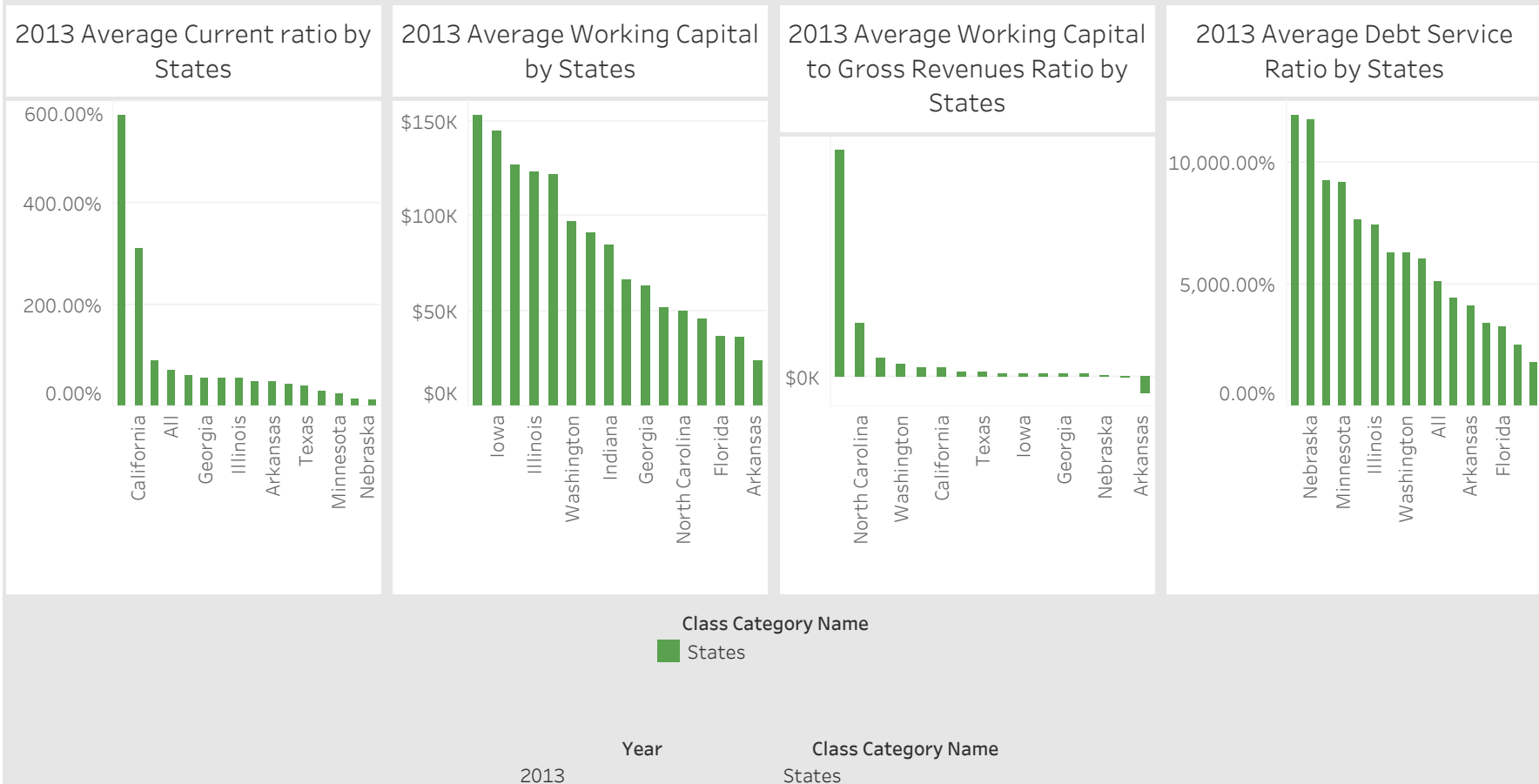


Sum of Amount for each Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, Solvency Ratio and Statistics. The Class Category Name filter keeps Commodity Specialty. The Solvency Ratio filter keeps 1 member. The Statistics filter keeps 1 member. The view is filtered on Class Variable Name, which keeps 42 of 42 members.

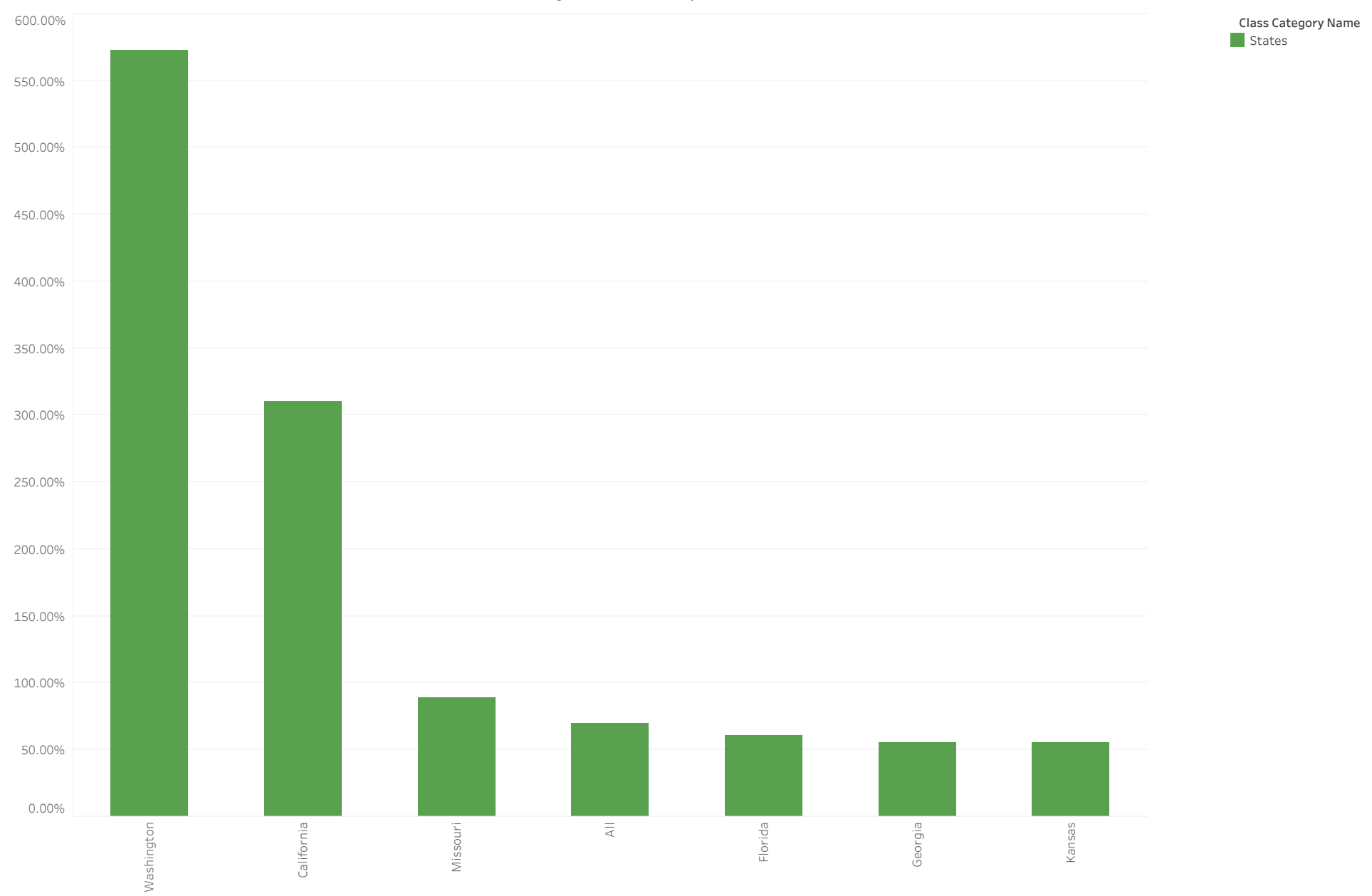


# Liquidity Ratios

In finance, the term liquidity has two related meanings. Liquidity is often used to refer to the ease with which an asset can be converted into cash. Liquidity is also used to refer to the amount of capital readily available as cash. Each of the reported liquidity ratios provides a way to assess the farm sector's ability to make scheduled financial payments as they come due.

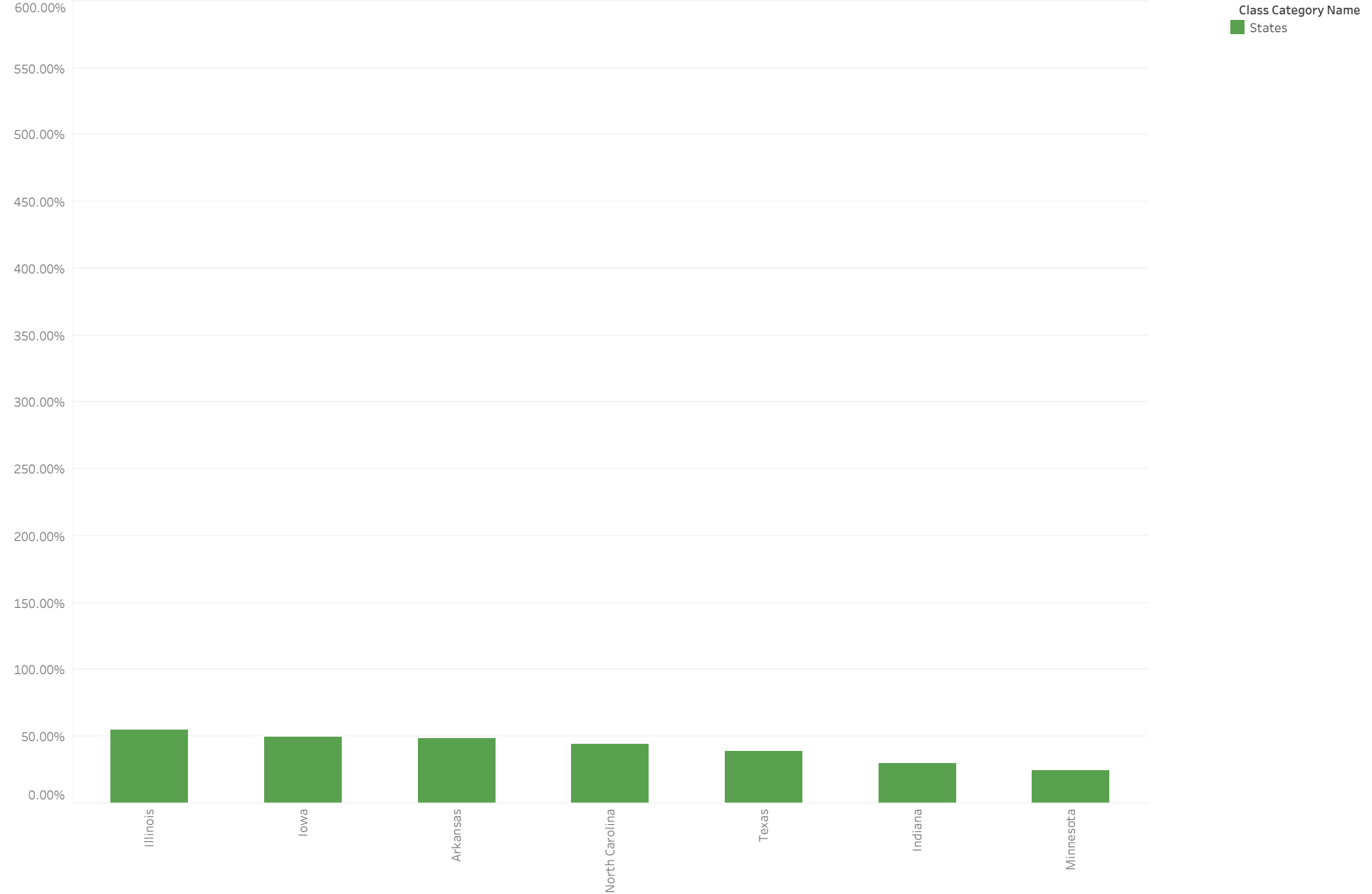


2013 Average Current ratio by States



Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Variable Name, Class Category Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Current ratio. The Class Variable Name filter keeps 42 of 42 members. The Class Category Name filter keeps States. The Statistic Name filter keeps Average.

2013 Average Current ratio by States



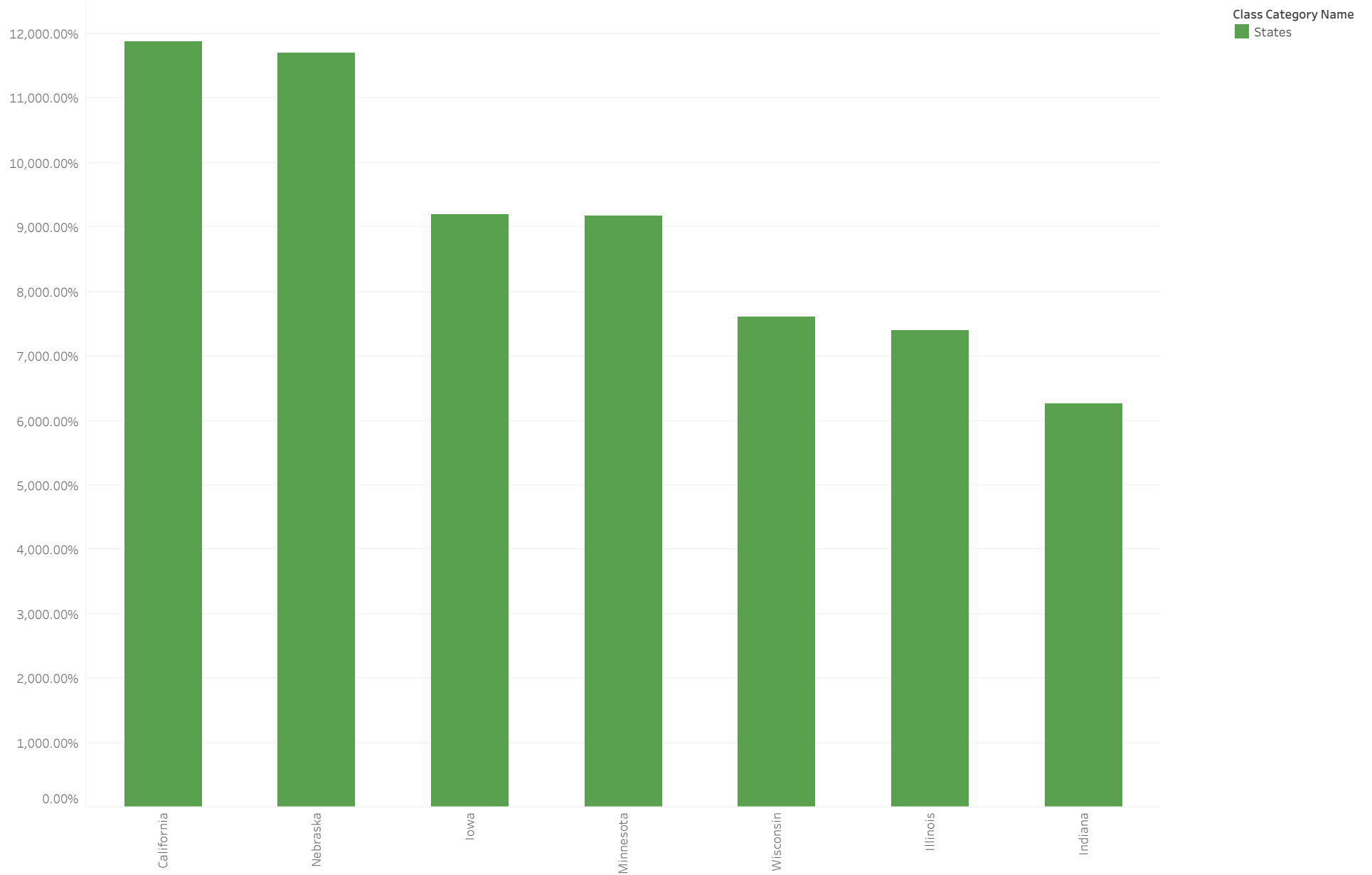
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Variable Name, Class Category Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Current ratio. The Class Variable Name filter keeps 42 of 42 members. The Class Category Name filter keeps States. The Statistic Name filter keeps Average.

2013 Average Current ratio by States



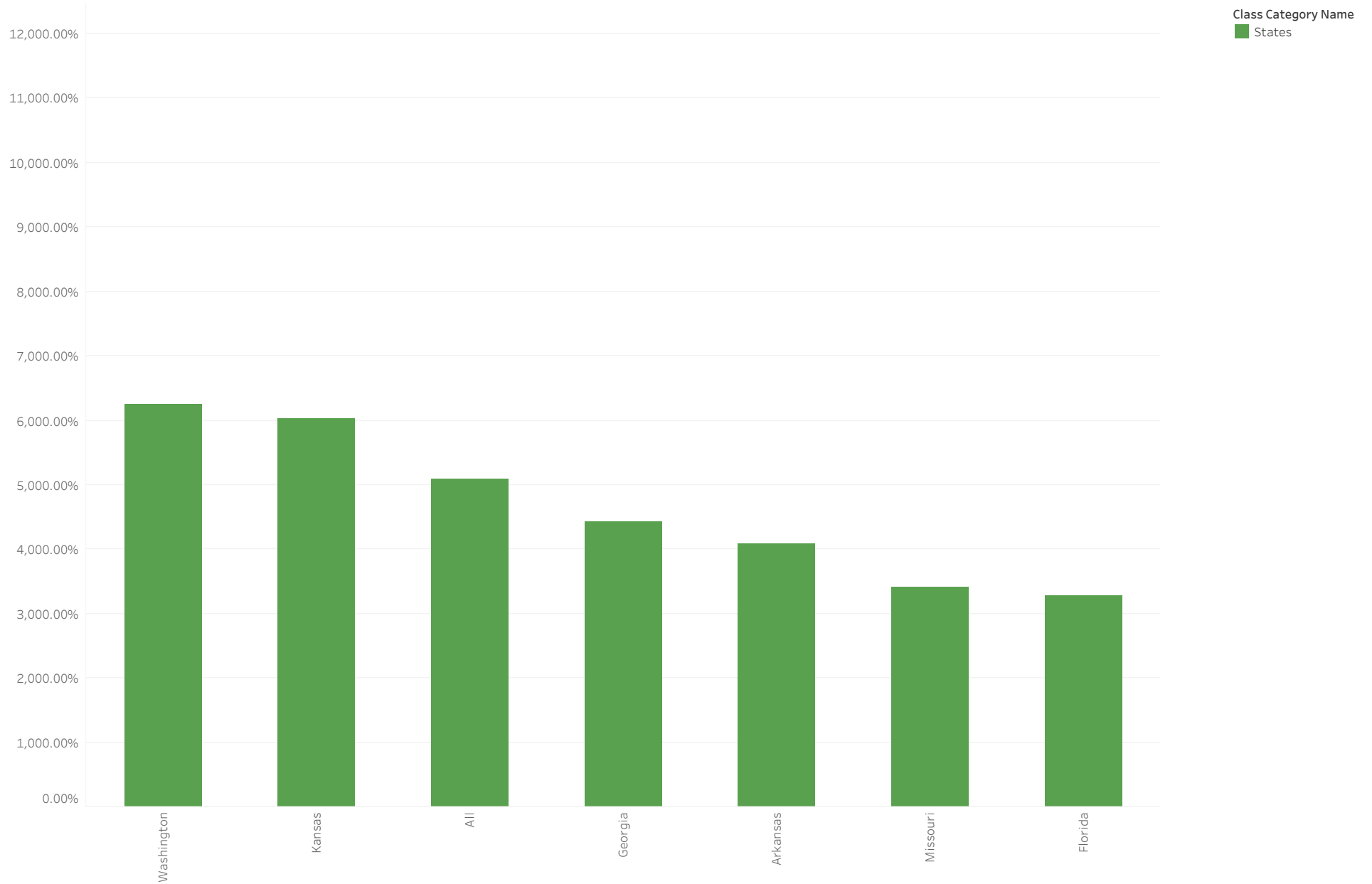
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Variable Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Current ratio. The Class Variable Name filter keeps 42 of 42 members. The Class Category Name filter keeps States. The Statistic Name filter keeps Average.

2013 Average Debt Service Ratio by States



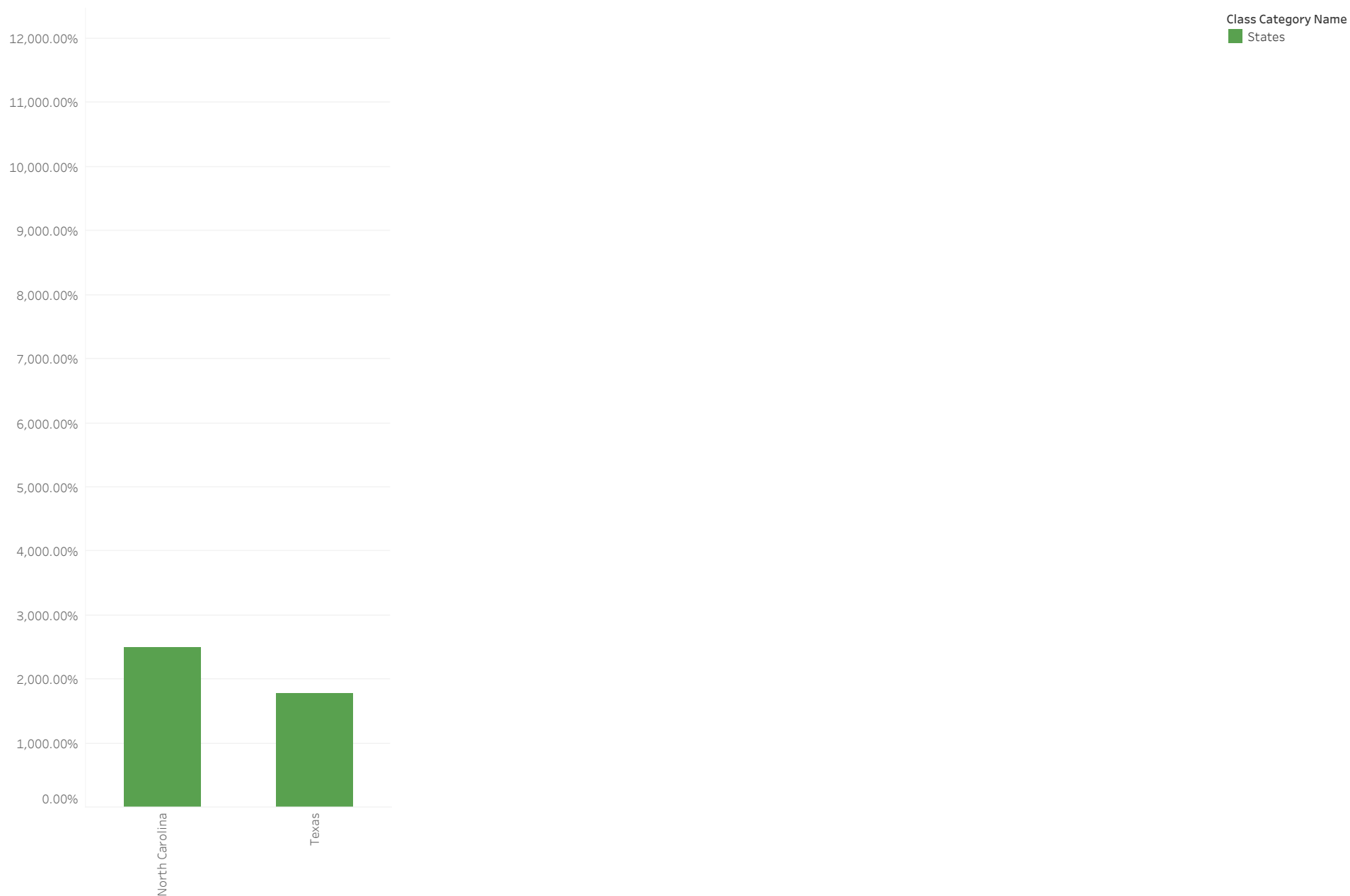
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Variable Name, Class Category Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Debt Service Ratio. The Class Variable Name filter keeps 42 of 42 members. The Class Category Name filter keeps States. The Statistic Name filter keeps Average.

2013 Average Debt Service Ratio by States



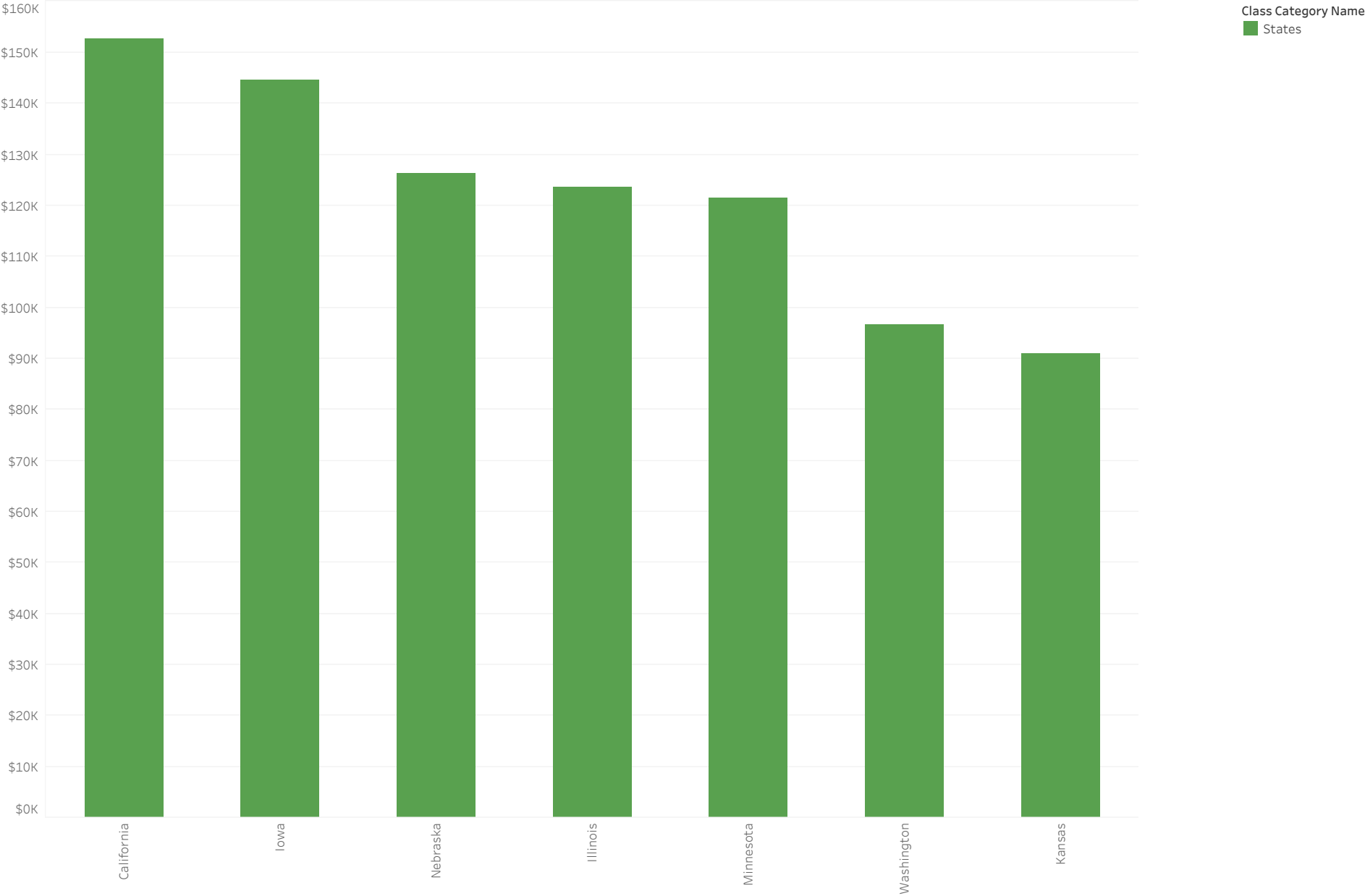
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Variable Name, Class Category Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Debt Service Ratio. The Class Variable Name filter keeps 42 of 42 members. The Class Category Name filter keeps States. The Statistic Name filter keeps Average.

2013 Average Debt Service Ratio by States



Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Variable Name, Class Category Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Debt Service Ratio. The Class Variable Name filter keeps 42 of 42 members. The Class Category Name filter keeps States. The Statistic Name filter keeps Average.

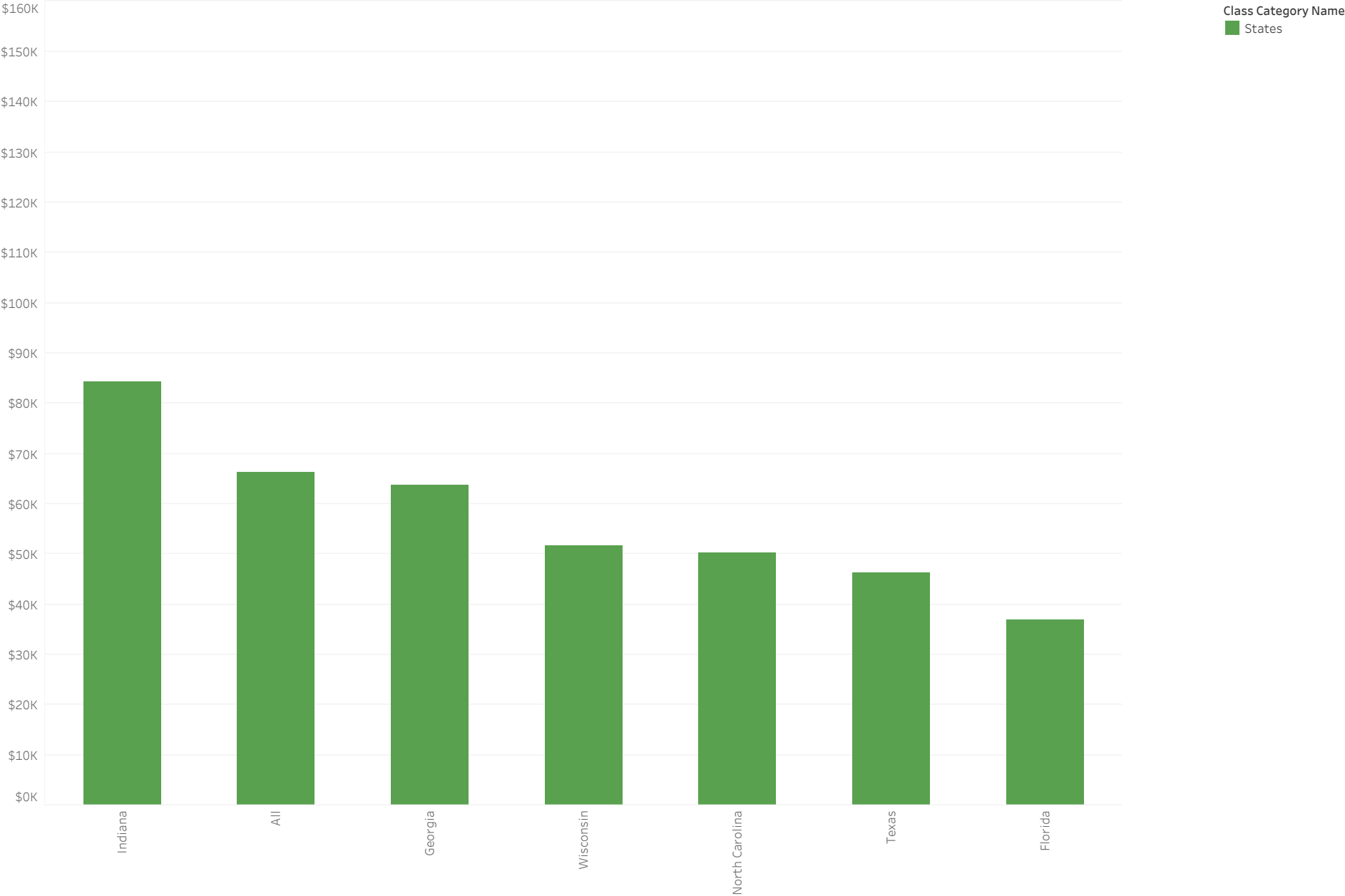
2013 Average Working Capital by States



Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Variable Name, Class Category Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Working Capital. The Class Variable Name filter keeps 42 of 42 members. The Class Category Name filter keeps States. The Statistic Name filter keeps Average.

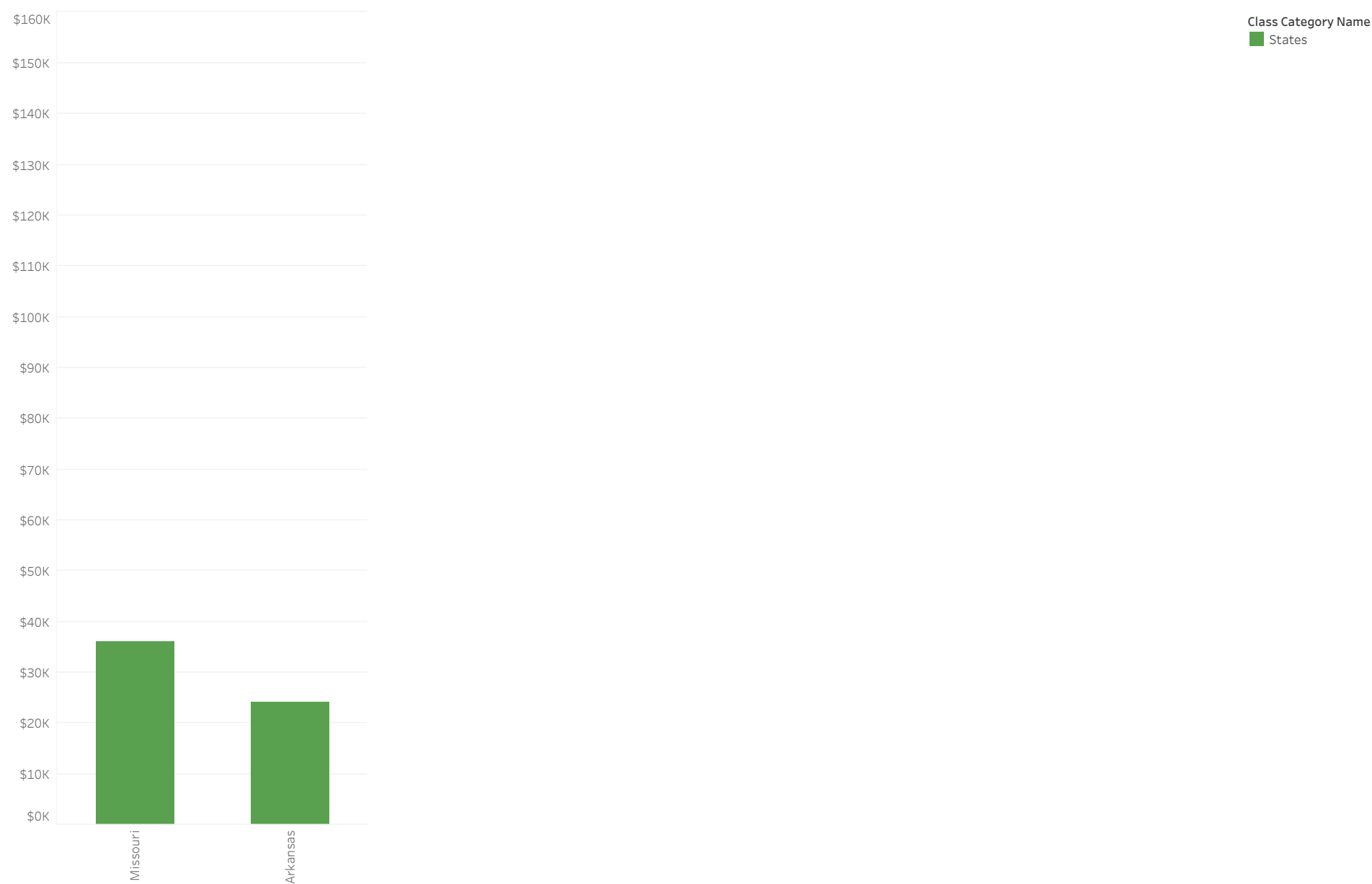


2013 Average Working Capital by States



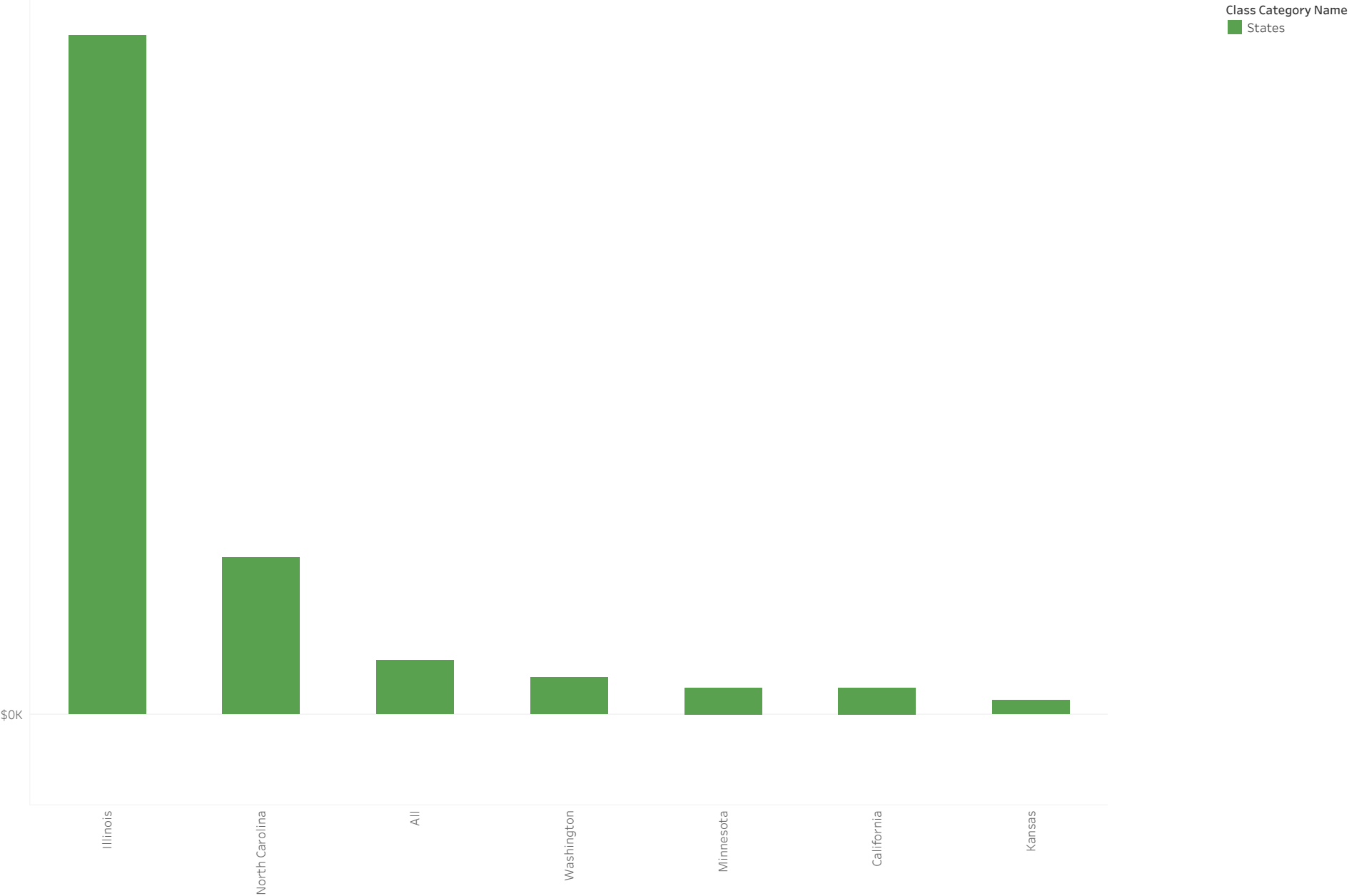
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Variable Name, Class Category Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Working Capital. The Class Variable Name filter keeps 42 of 42 members. The Class Category Name filter keeps States. The Statistic Name filter keeps Average.

2013 Average Working Capital by States



Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Variable Name, Class Category Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Working Capital. The Class Variable Name filter keeps 42 of 42 members. The Class Category Name filter keeps States. The Statistic Name filter keeps Average.

2013 Average Working Capital to Gross Revenues Ratio by States



Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Variable Name, Class Category Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Working Capital to Gross Revenues Ratio. The Class Variable Name filter keeps 42 of 42 members. The Class Category Name filter keeps States. The Statistic Name filter keeps Average.

### 2013 Average Working Capital to Gross Revenues Ratio by States

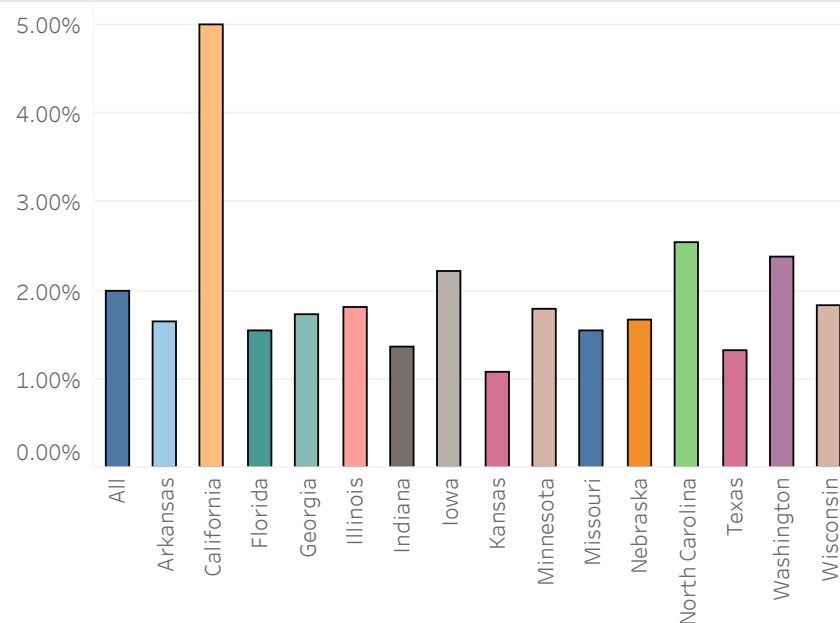
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Variable Name, Class Category Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Working Capital to Gross Revenues Ratio. The Class Variable Name filter keeps 42 of 42 members. The Class Category Name filter keeps States. The Statistic Name filter keeps Average.

### 2013 Average Working Capital to Gross Revenues Ratio by States

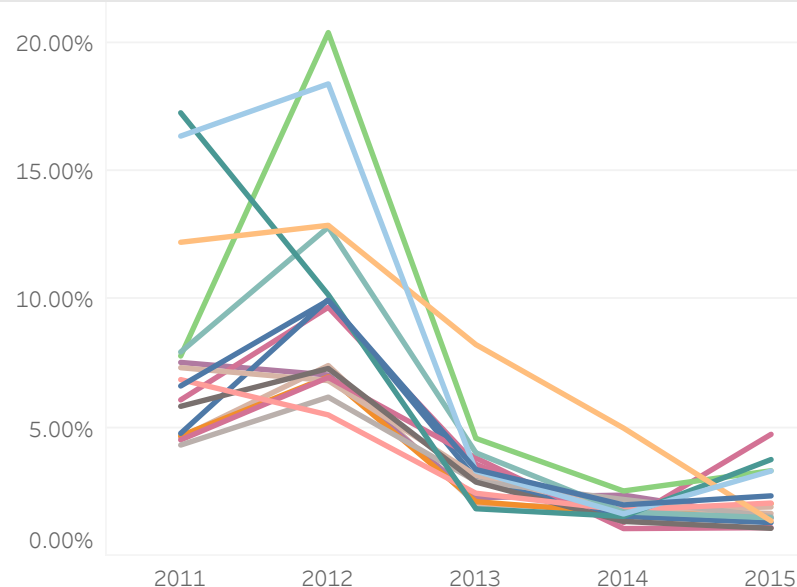
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2013. The view is filtered on sum of Amount, Variable Name, Class Variable Name, Class Category Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Working Capital to Gross Revenues Ratio. The Class Variable Name filter keeps 42 of 42 members. The Class Category Name filter keeps States. The Statistic Name filter keeps Average.

In 2012, there was a drastic increase in the median current ratio for all categories, but then in 2013 all of the current ratios leveled out.

2014 Median Current ratio of States



All Median Current ratio by States



Year  
2014  
Class Category Name  
States

Class Variable Name



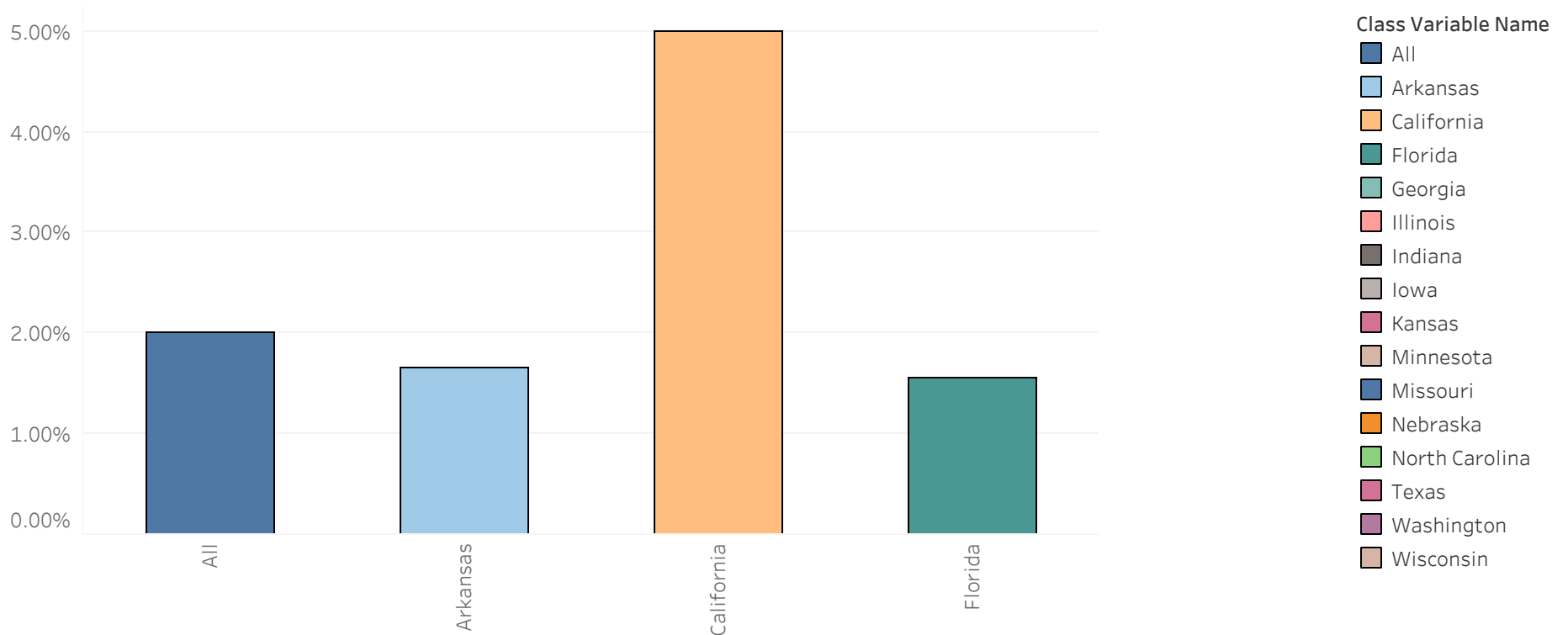
The current ratio measures the ability of current assets, if sold and converted to cash, to cover current debt obligations. A higher current ratio indicates greater liquidity.

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

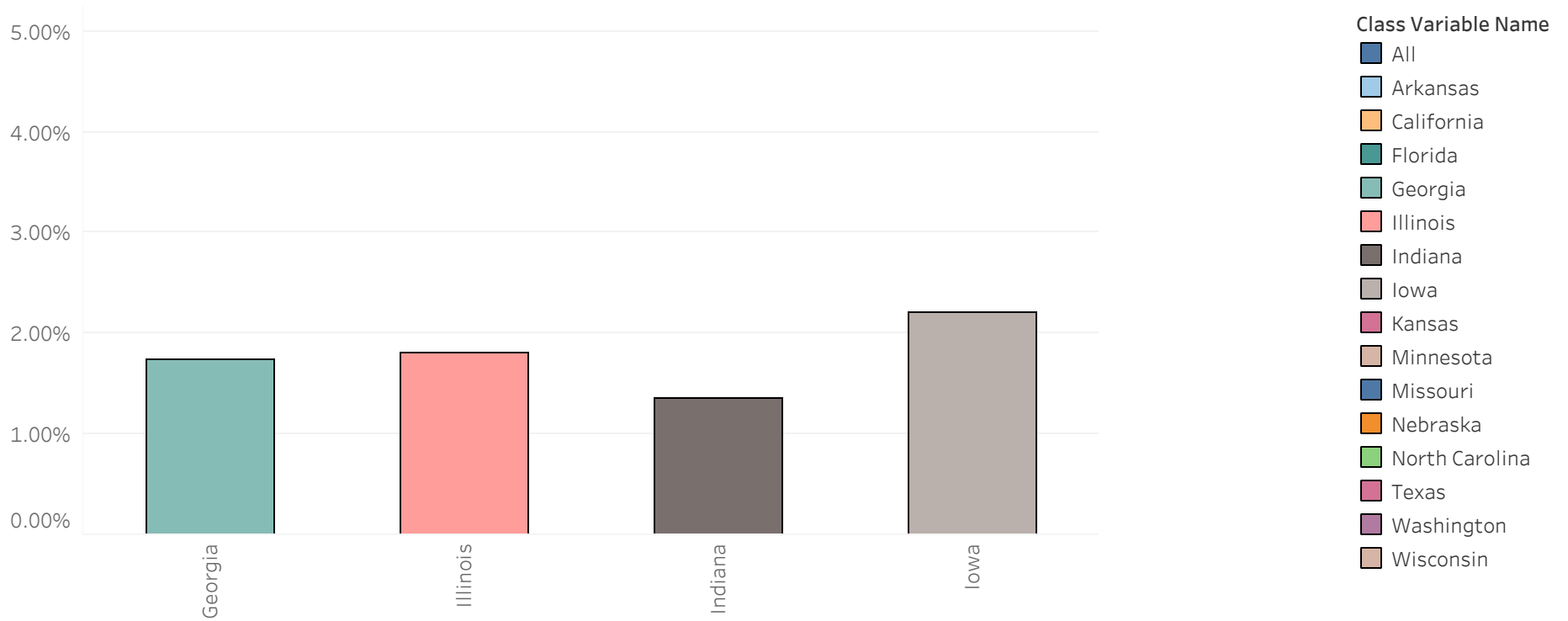
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

2014 Median Current ratio of States



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2014. The Class Category Name filter keeps States. The view is filtered on Class Variable Name, Year as an attribute, Statistic Name and Variable Name. The Class Variable Name filter keeps 42 of 42 members. The Year as an attribute filter keeps all values. The Statistic Name filter keeps Median. The Variable Name filter keeps Current ratio.

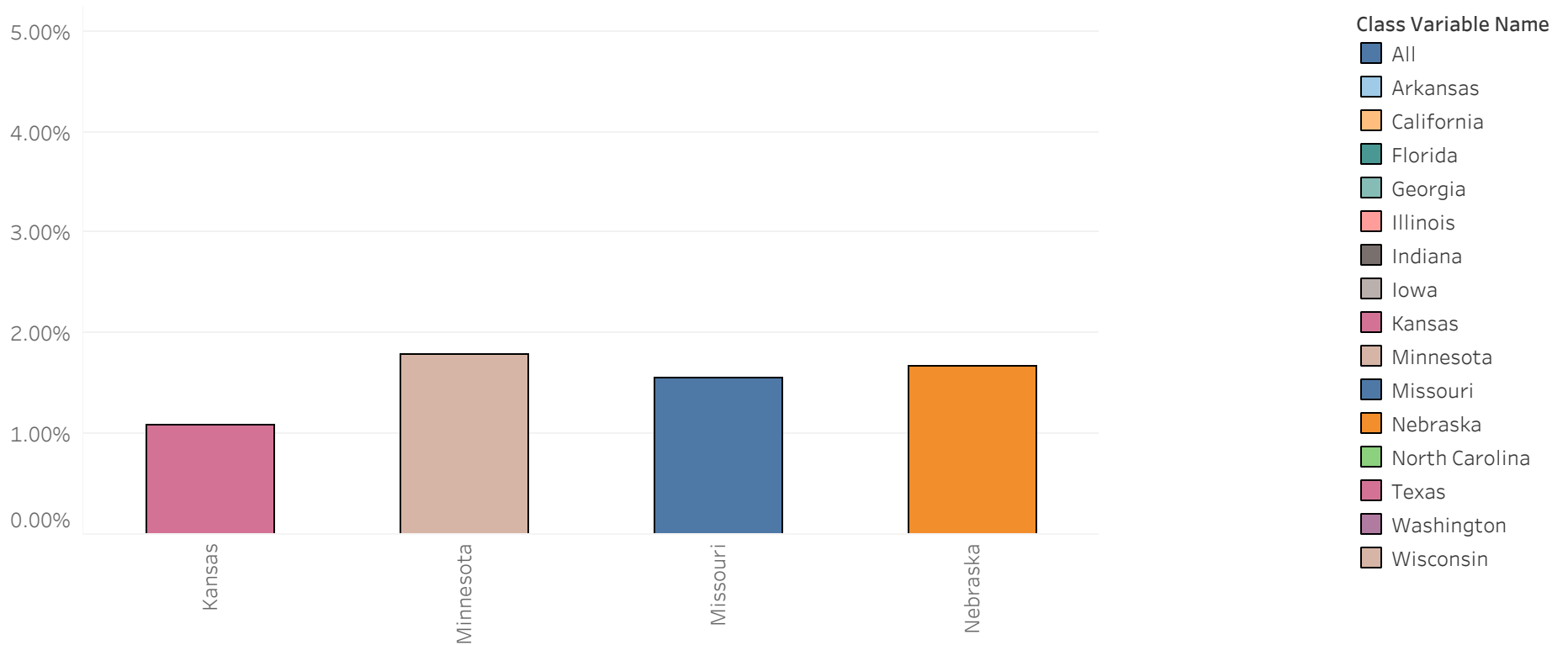
2014 Median Current ratio of States



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2014. The Class Category Name filter keeps States. The view is filtered on Class Variable Name, Year as an attribute, Statistic Name and Variable Name. The Class Variable Name filter keeps 42 of 42 members. The Year as an attribute filter keeps all values. The Statistic Name filter keeps Median. The Variable Name filter keeps Current ratio.

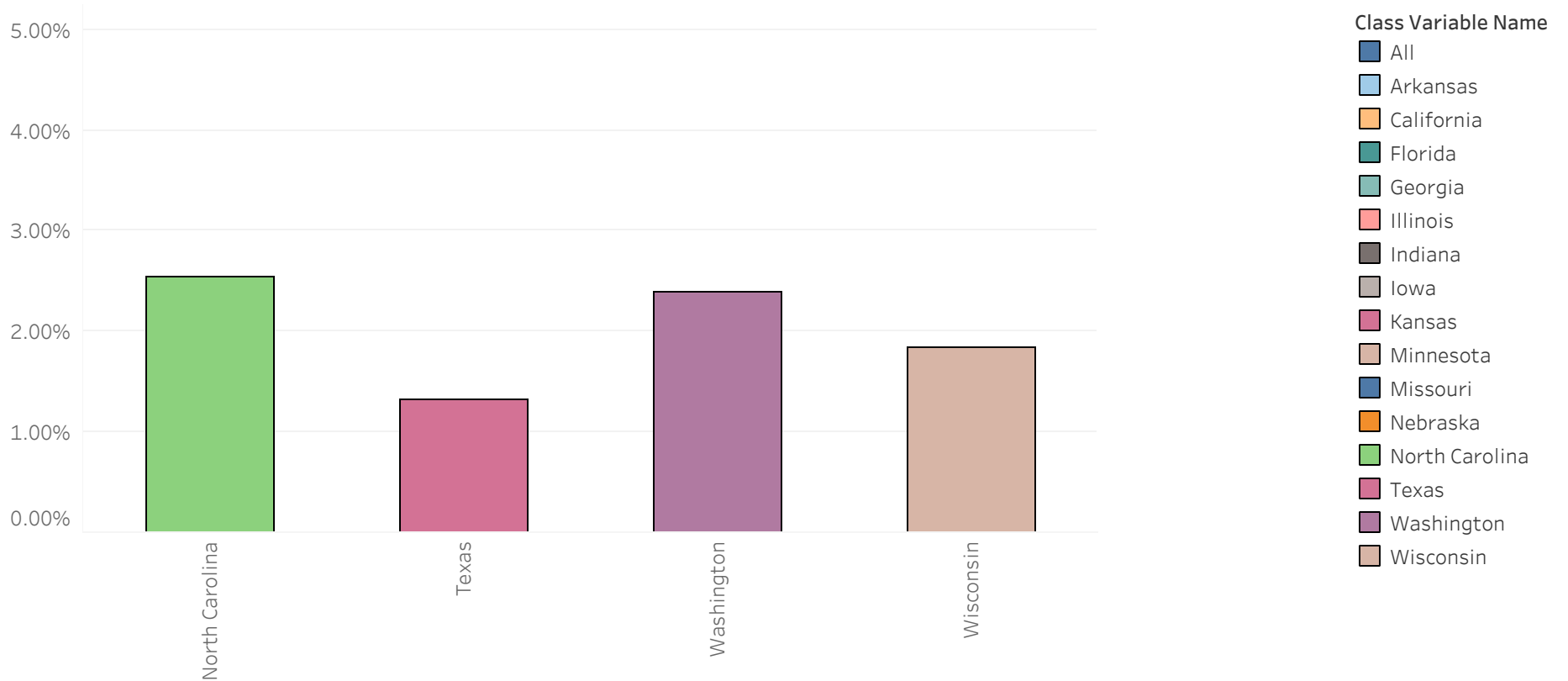


2014 Median Current ratio of States



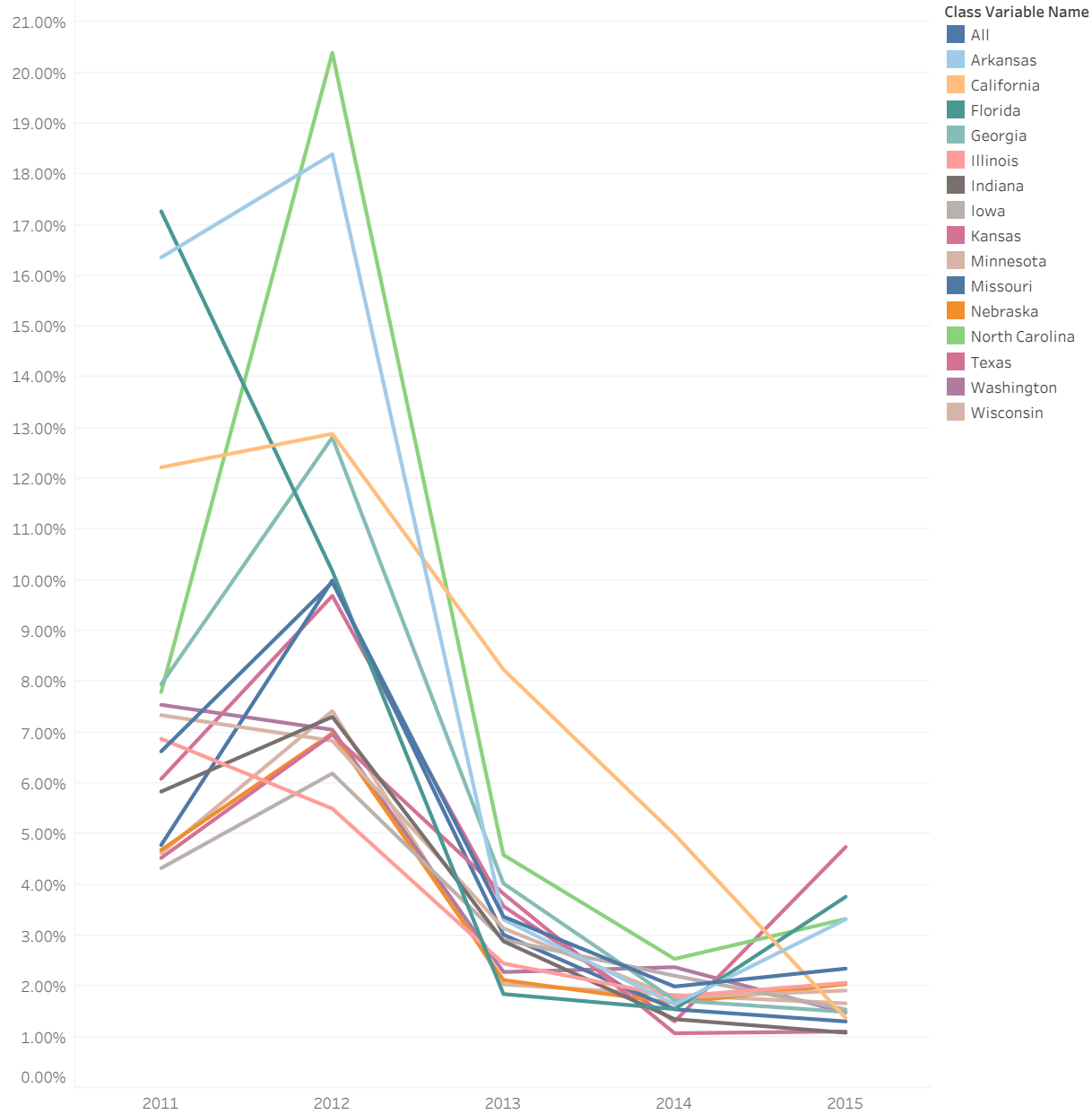
Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2014. The Class Category Name filter keeps States. The view is filtered on Class Variable Name, Year as an attribute, Statistic Name and Variable Name. The Class Variable Name filter keeps 42 of 42 members. The Year as an attribute filter keeps all values. The Statistic Name filter keeps Median. The Variable Name filter keeps Current ratio.

2014 Median Current ratio of States



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2014. The Class Category Name filter keeps States. The view is filtered on Class Variable Name, Year as an attribute, Statistic Name and Variable Name. The Class Variable Name filter keeps 42 of 42 members. The Year as an attribute filter keeps all values. The Statistic Name filter keeps Median. The Variable Name filter keeps Current ratio.

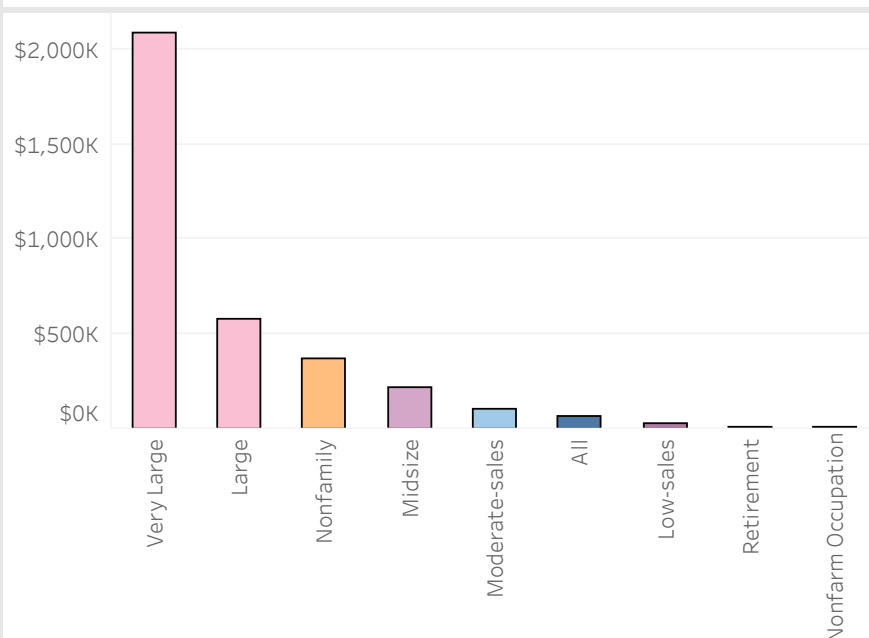
All Median Current ratio by States



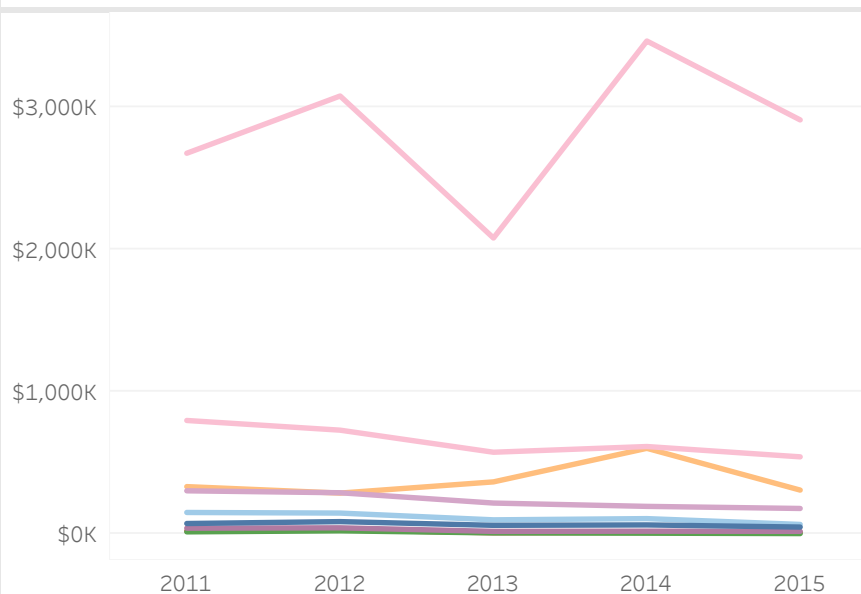
The trend of Amount for Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps States. The view is filtered on sum of Amount, Class Variable Name, Year, Statistic Name and Variable Name. The sum of Amount filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Year filter keeps 2011, 2012, 2013, 2014 and 2015. The Statistic Name filter keeps Median. The Variable Name filter keeps Current ratio.

Overall, very large farms on average have more working capital, but the amount of working capital very large farms have tends to vary more.

2013 Average Working Capital of Farm Typology



All Average Working Capital by Farm Typology



2013  
Year

Class Variable Name

- Very Large
- Large
- Nonfamily
- Midsize
- Moderate-sales
- All
- Low-sales
- Retirement
- Nonfarm Occupation

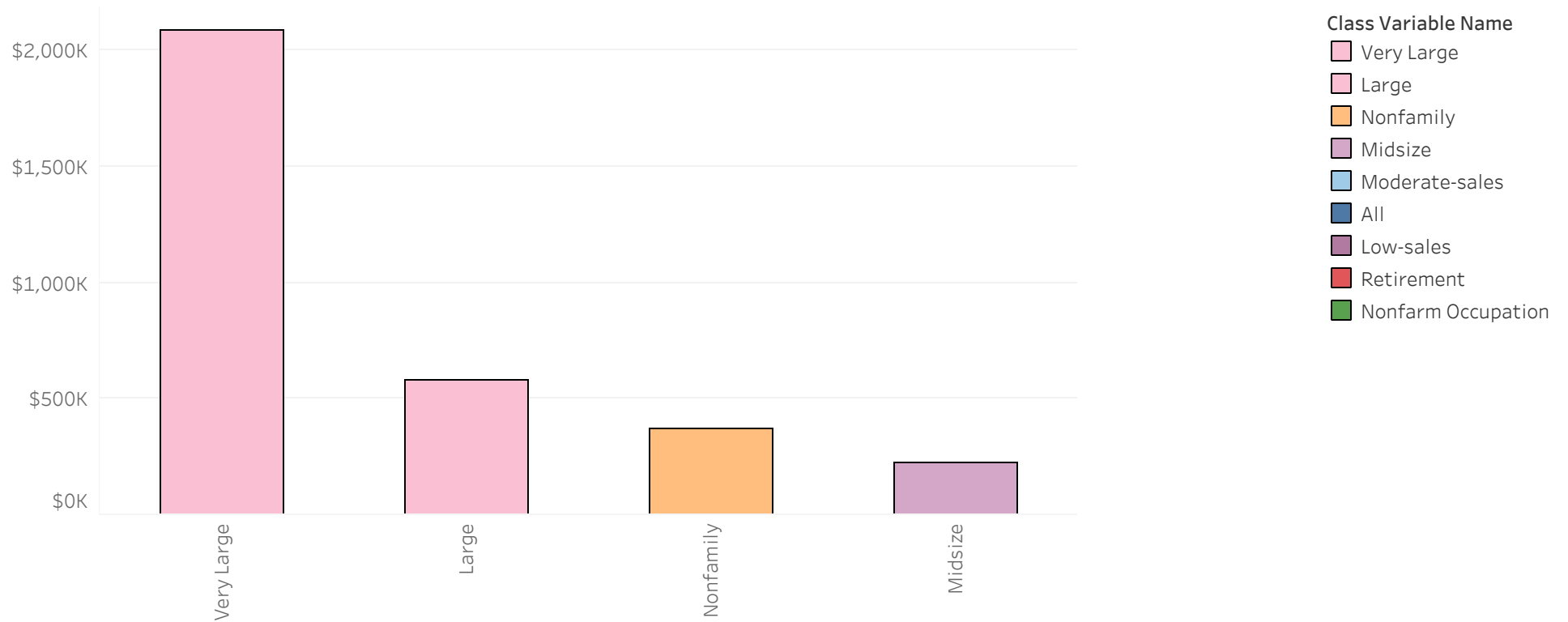
**Working capital measures the amount cash that would be available to fund operating expenses after paying off current debt. Working capital is similar to the current ratio in that it measures the capacity for current assets to fund current liabilities.**

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

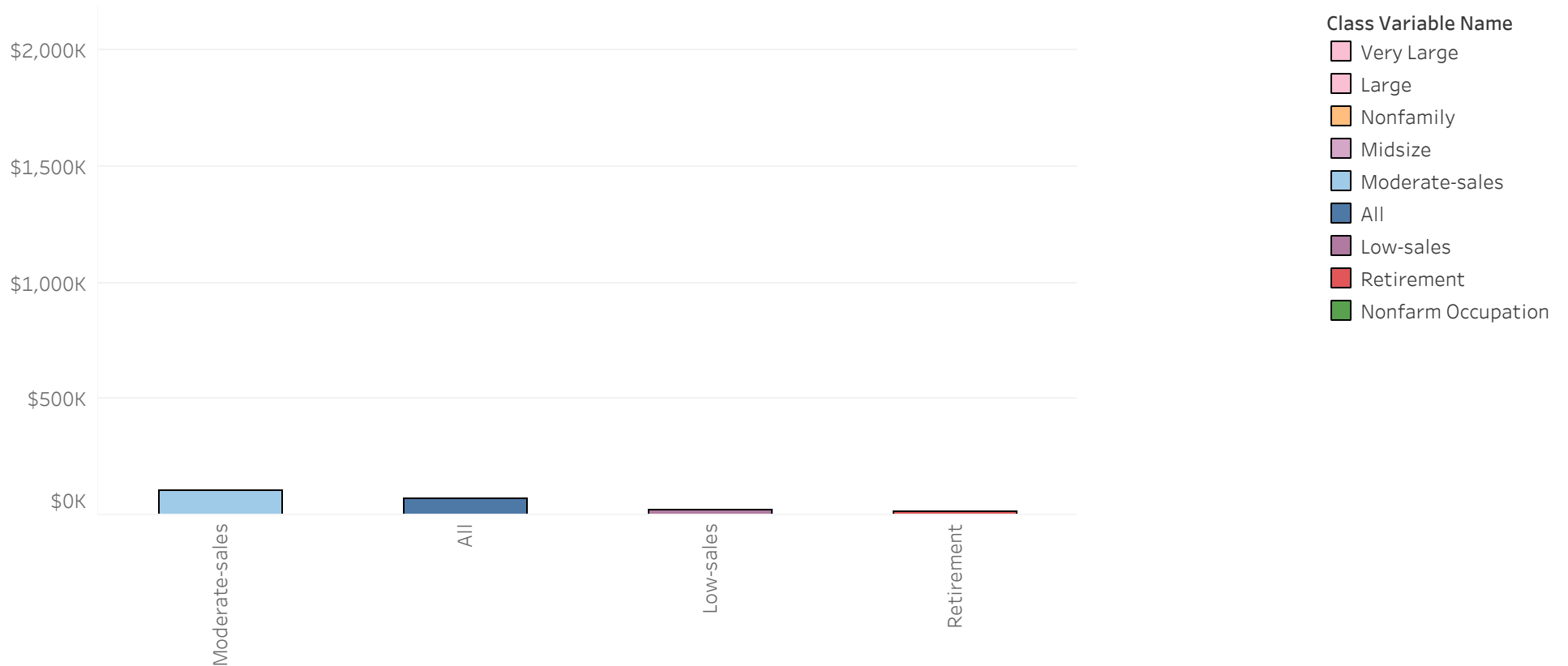
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

2013 Average Working Capital of Farm Typology



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2013. The Class Category Name filter keeps Farm Typology. The view is filtered on Year as an attribute, Statistic Name, Class Variable Name and Variable Name. The Year as an attribute filter keeps all values. The Statistic Name filter keeps Average. The Class Variable Name filter keeps 42 of 42 members. The Variable Name filter keeps Working Capital.

## 2013 Average Working Capital of Farm Typology



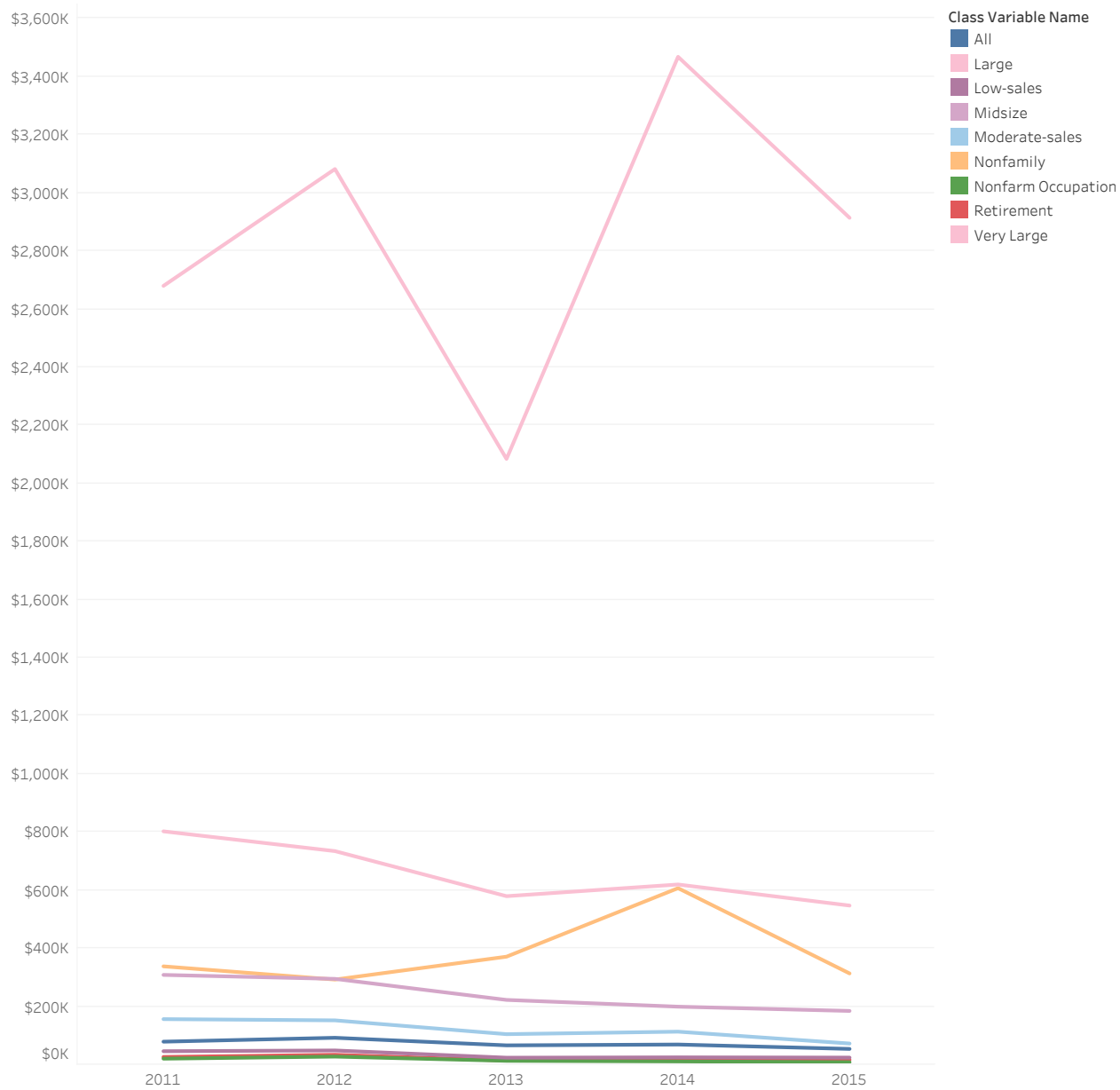
Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2013. The Class Category Name filter keeps Farm Typology. The view is filtered on Year as an attribute, Statistic Name, Class Variable Name and Variable Name. The Year as an attribute filter keeps all values. The Statistic Name filter keeps Average. The Class Variable Name filter keeps 42 of 42 members. The Variable Name filter keeps Working Capital.

2013 Average Working Capital of Farm Typology



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2013. The Class Category Name filter keeps Farm Typology. The view is filtered on Year as an attribute, Statistic Name, Class Variable Name and Variable Name. The Year as an attribute filter keeps all values. The Statistic Name filter keeps Average. The Class Variable Name filter keeps 42 of 42 members. The Variable Name filter keeps Working Capital.

All Average Working Capital by Farm Typology

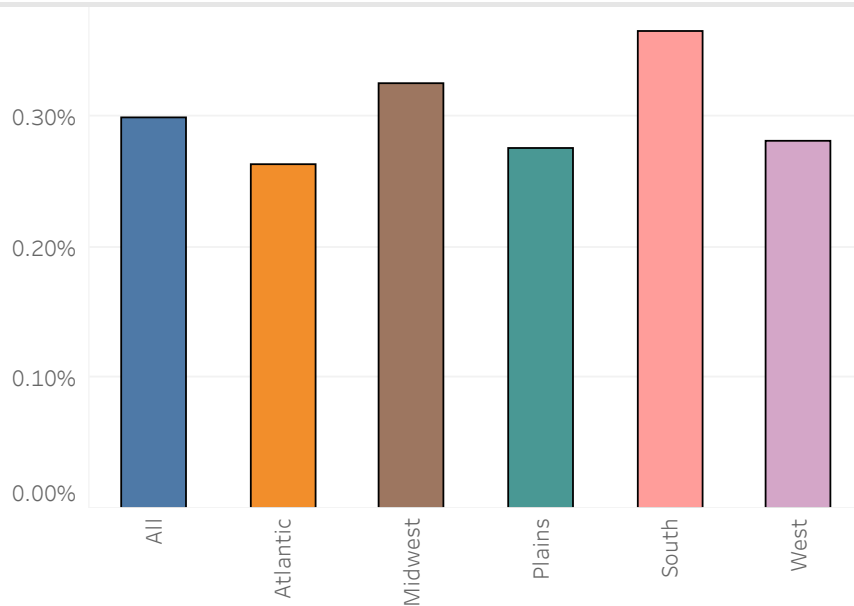


The trend of Amount for Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Farm Typology. The view is filtered on sum of Amount, Year, Statistic Name, Class Variable Name and Variable Name. The sum of Amount filter keeps all values. The Year filter keeps 2011, 2012, 2013, 2014 and 2015. The Statistic Name filter keeps Average. The Class Variable Name filter keeps 42 of 42 members. The Variable Name filter keeps Working Capital.

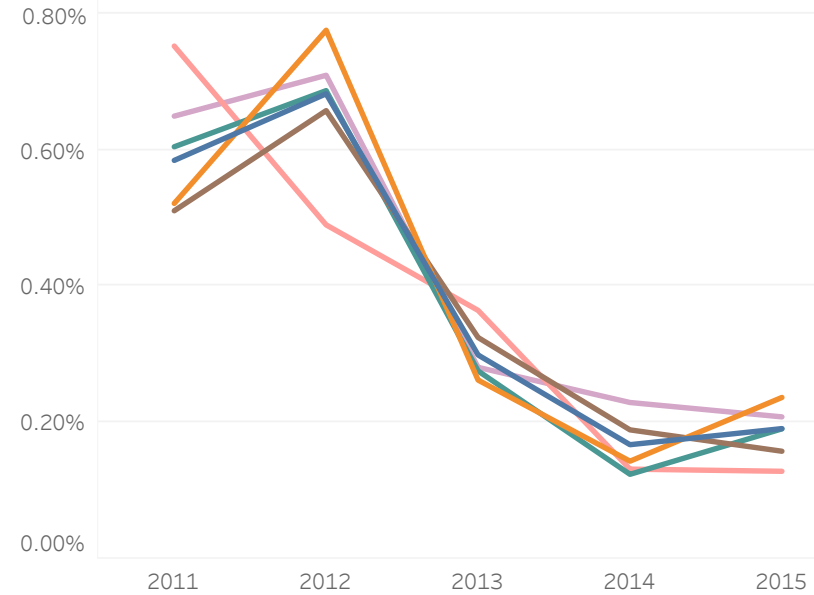


In 2012, the southern farm region was the only region that did not increase their working capital to gross revenues ratio.

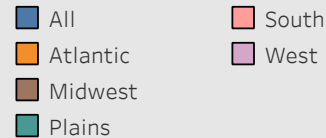
2013 Median Working Capital to Gross Revenues Ratio of Regions



All Median Working Capital to Gross Revenues Ratio by Regions



Class Variable Name



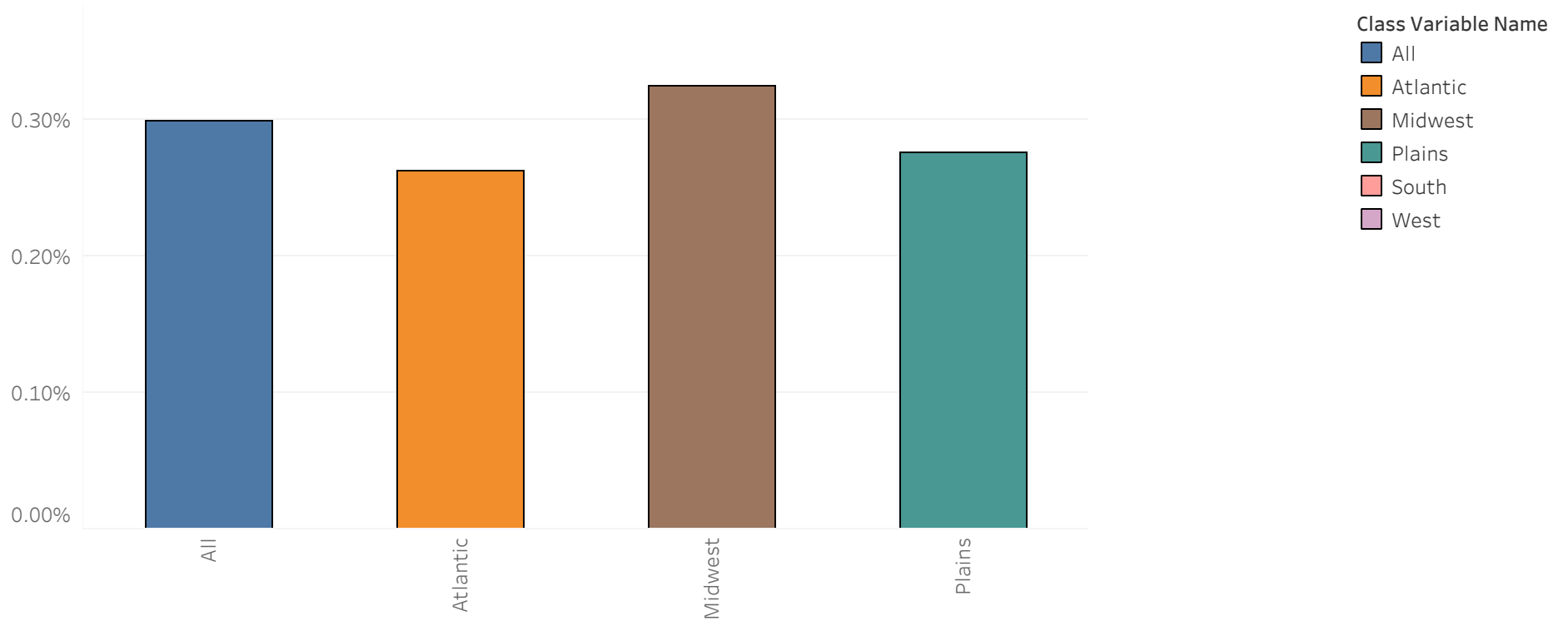
The working capital to gross revenues ratio measures the working capital relative to the size of the farm sector.

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

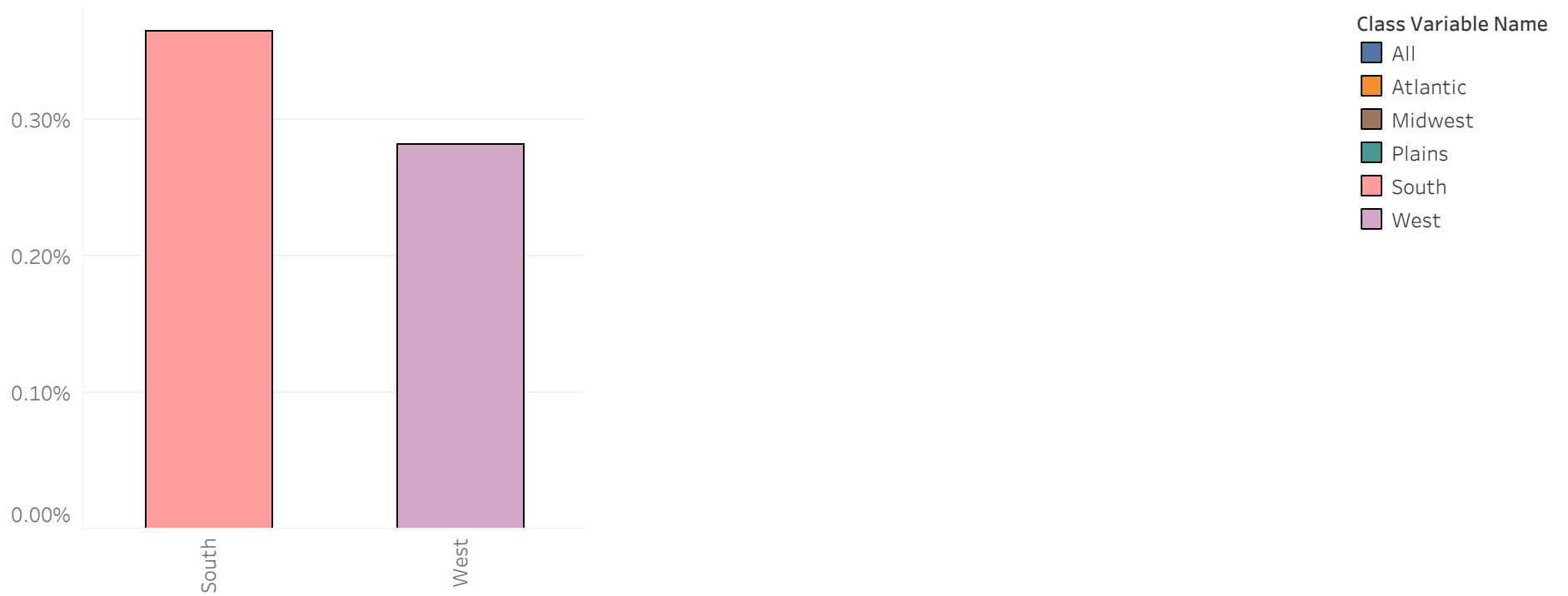
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

2013 Median Working Capital to Gross Revenues Ratio of Regions



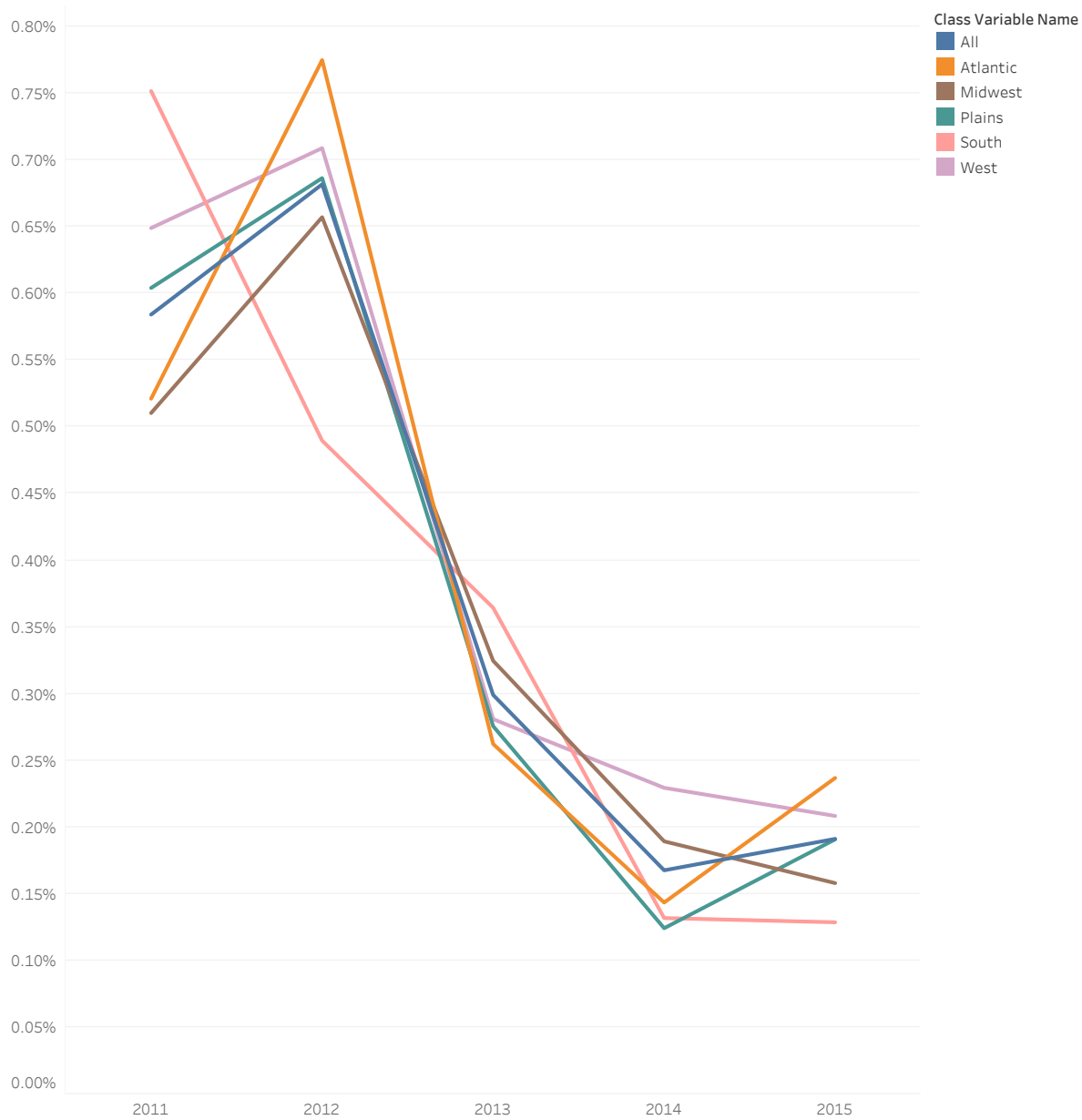
Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2013. The Class Category Name filter keeps Regions. The view is filtered on Year as an attribute, Statistic Name, Class Variable Name and Variable Name. The Year as an attribute filter keeps all values. The Statistic Name filter keeps Median. The Class Variable Name filter keeps 42 of 42 members. The Variable Name filter keeps Working Capital to Gross Revenues Ratio.

2013 Median Working Capital to Gross Revenues Ratio of Regions



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2013. The Class Category Name filter keeps Regions. The view is filtered on Year as an attribute, Statistic Name, Class Variable Name and Variable Name. The Year as an attribute filter keeps all values. The Statistic Name filter keeps Median. The Class Variable Name filter keeps 42 of 42 members. The Variable Name filter keeps Working Capital to Gross Revenues Ratio.

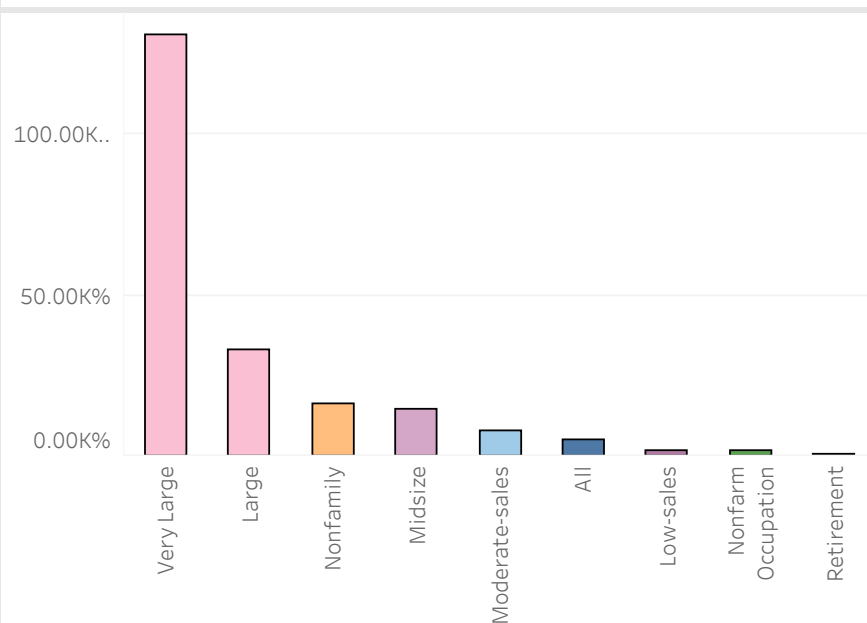
All Median Working Capital to Gross Revenues Ratio by Regions



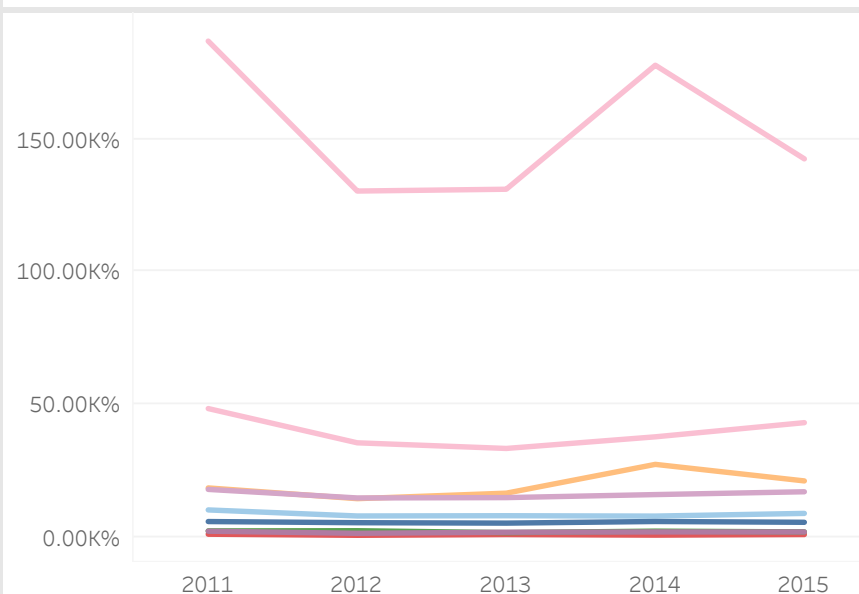
The trend of Amount for Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Regions. The view is filtered on sum of Amount, Year, Statistic Name, Class Variable Name and Variable Name. The sum of Amount filter keeps all values. The Year filter keeps 2011, 2012, 2013, 2014 and 2015. The Statistic Name filter keeps Median. The Class Variable Name filter keeps 42 of 42 members. The Variable Name filter keeps Working Capital to Gross Revenues Ratio.

Very large farm average debt service ratio is over all greater than the rest of the farm types. This is a similar trend seen with the average amount of working capital very large farms had.

2013 Average Debt Service Ratio of Farm Typology



All Average Debt Service Ratio by Farm Typology



2013  
Year

Class Variable Name

- Very Large
- Large
- Nonfamily
- Midsize
- Moderate-sales
- All
- Low-sales
- Nonfarm Occup..
- Retirement

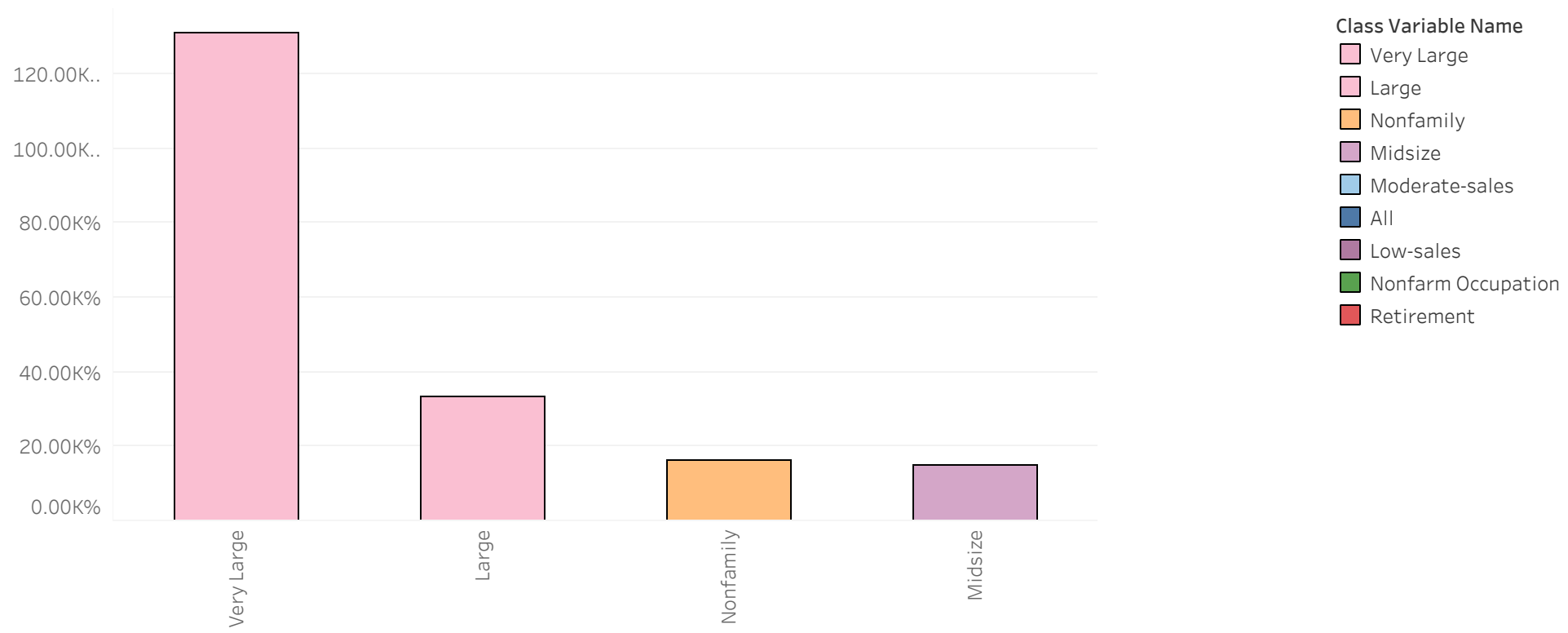
Debt servicing ratio describes the share of production used for debt payments. Higher debt servicing ratios implies a greater share of production is needed to make debt payments, implying less liquidity.

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

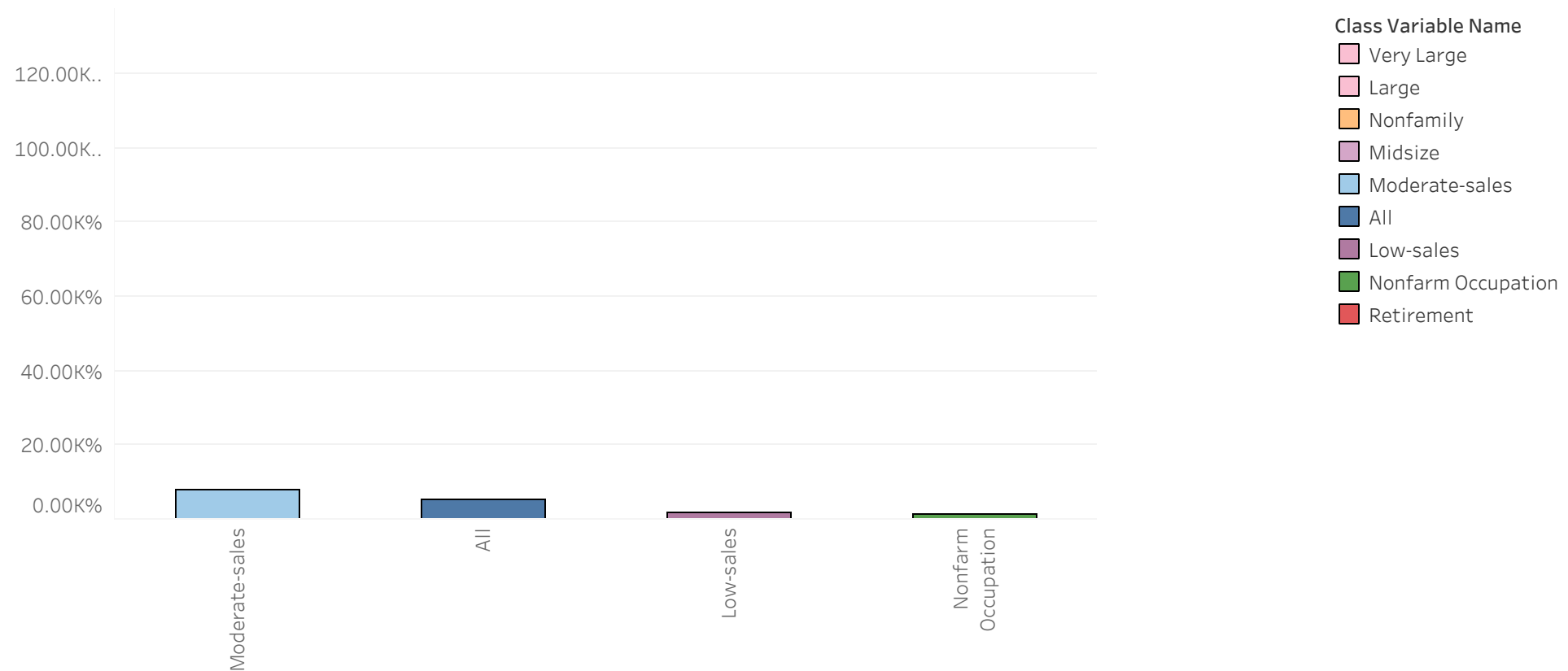
For more information see: <https://www.ers.usda.gov/topics/farm-economy/farm-household-well-being/>

2013 Average Debt Service Ratio of Farm Typology



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2013. The Class Category Name filter keeps Farm Typology. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Debt Service Ratio.

2013 Average Debt Service Ratio of Farm Typology



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2013. The Class Category Name filter keeps Farm Typology. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Debt Service Ratio.

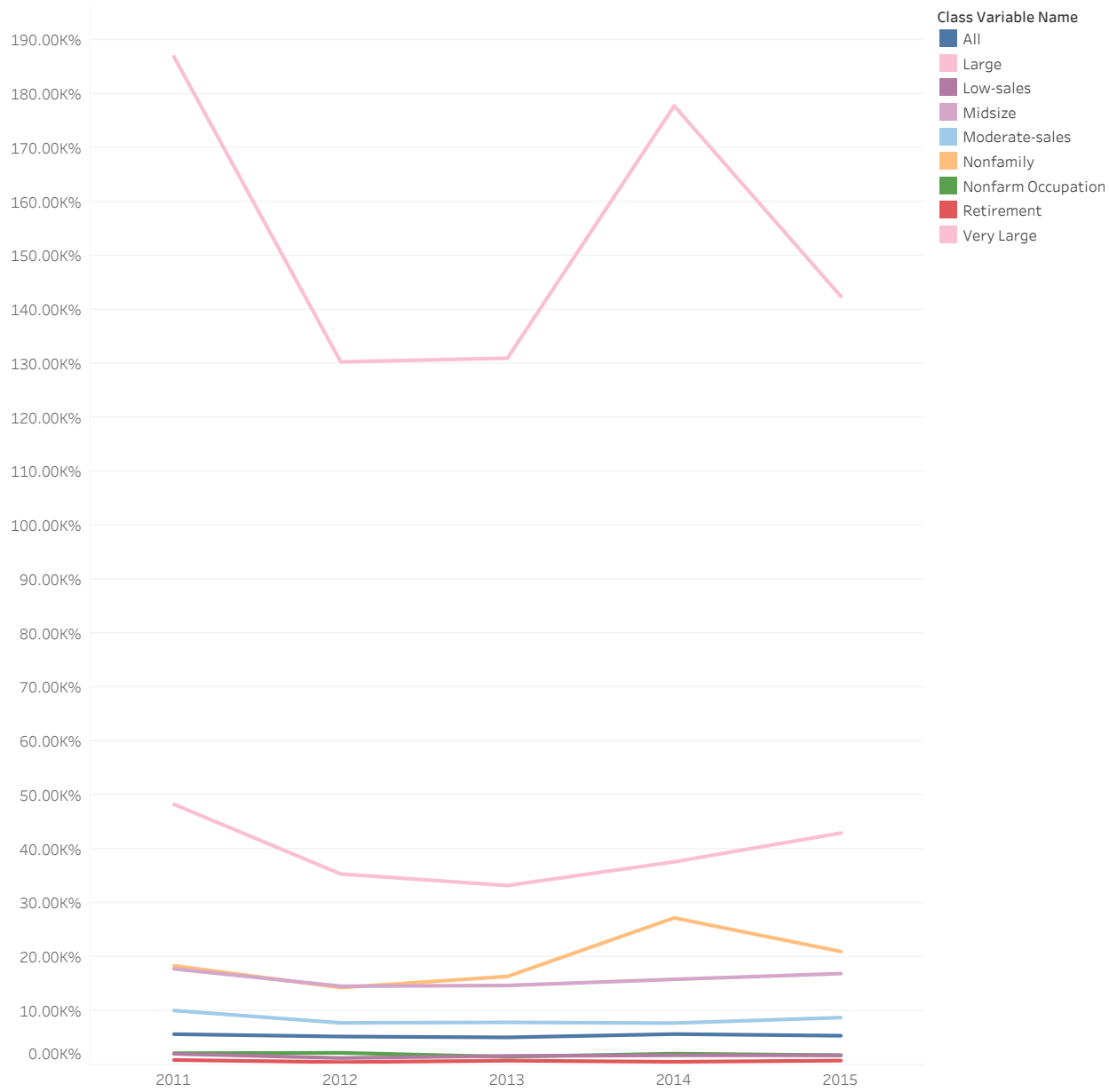
2013 Average Debt Service Ratio of Farm Typology



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2013. The Class Category Name filter keeps Farm Typology. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Debt Service Ratio.



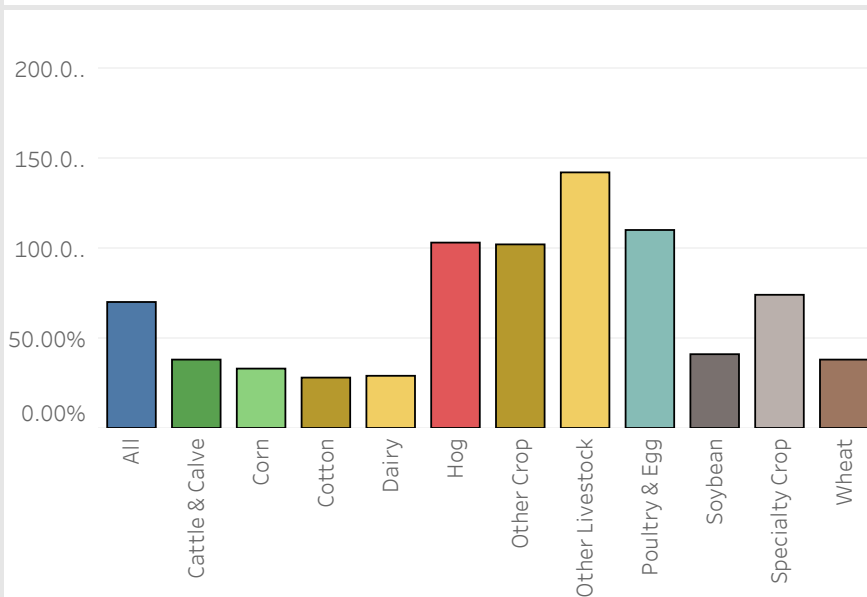
All Average Debt Service Ratio by Farm Typology



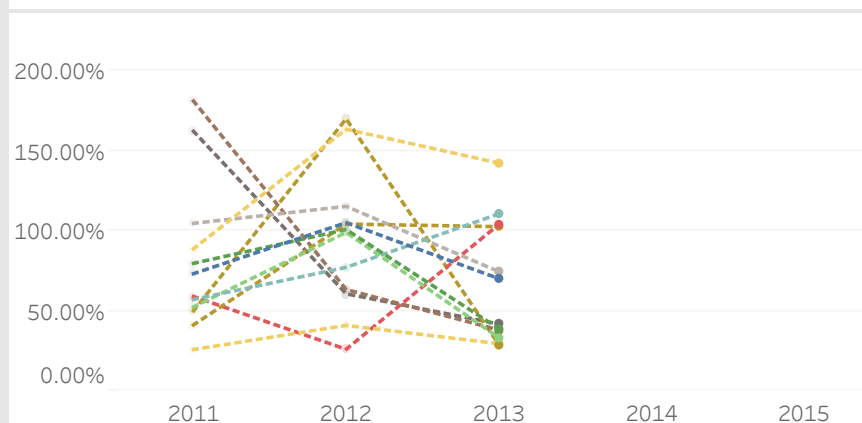
The trend of Amount for Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Farm Typology. The view is filtered on sum of Amount, Year, Class Variable Name, Statistic Name and Variable Name. The sum of Amount filter keeps all values. The Year filter keeps 2011, 2012, 2013, 2014 and 2015. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Debt Service Ratio.

## Explore for yourself: Liquidity Ratios

All Average Current ratio by Commodity Specialty



2011, 2012, 2013 and 2 more Average Current ratio by Commodity Specialty



Class Category Name  
Commodity Specialty

Statistics  
Average

Liquidity Ratios  
Current ratio

Year  
2013  
☐ Show history

Class Variable Name

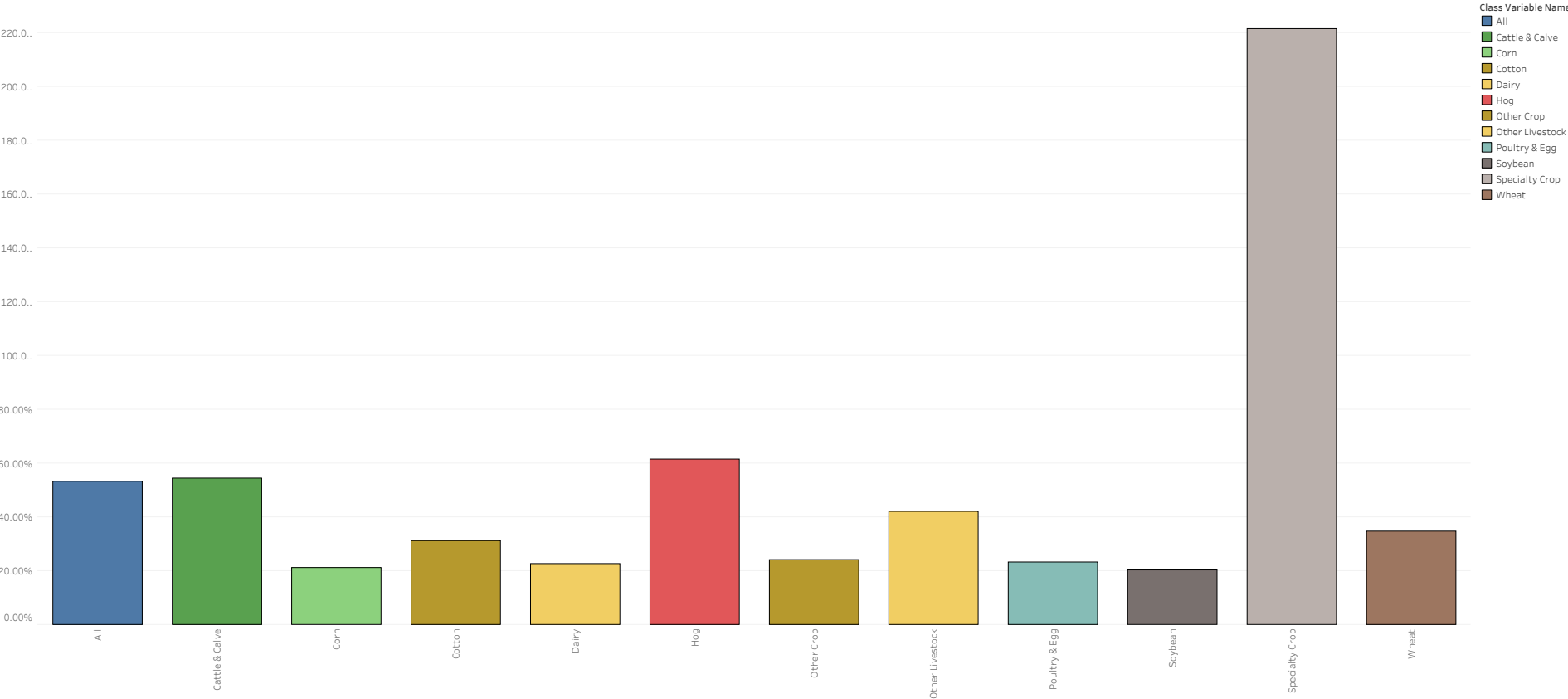
■ All  
■ Cattle & Calve  
■ Corn  
■ Cotton  
■ Dairy  
■ Hog  
■ Other Crop  
■ Other Livestock  
■ Poultry & Egg  
■ Soybean  
■ Specialty Crop  
■ Wheat

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

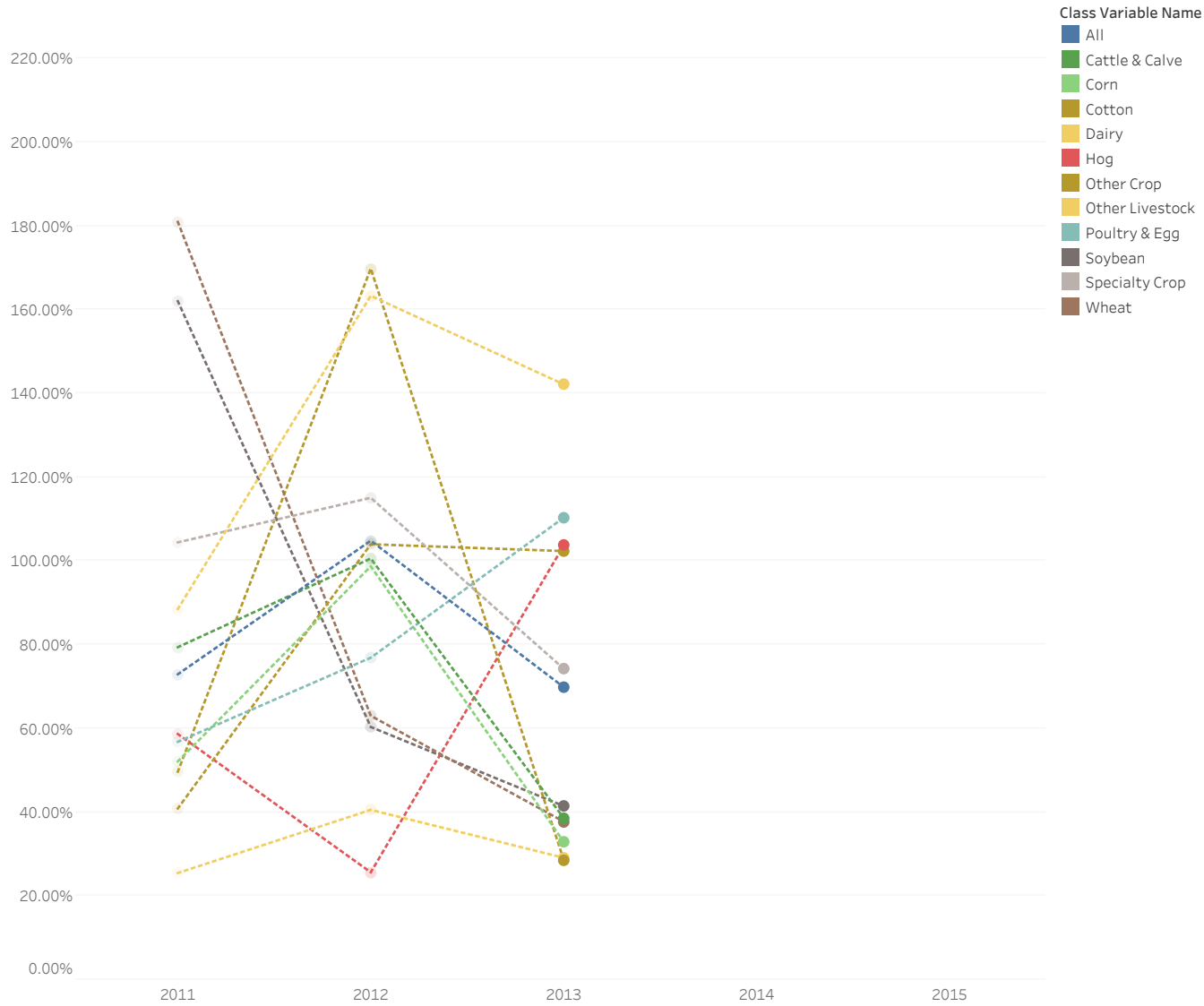
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

All Average Current ratio by Commodity Specialty



Amount for each Class Variable Name broken down by Class Category Name on page 2011. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Liquidity Ratios and Statistics. The Liquidity Ratios filter keeps 1 member. The Statistics filter keeps 1 member. The view is filtered on sum of Amount, Class Category Name and Class Variable Name. The sum of Amount filter keeps all values. The Class Category Name filter keeps Commodity Specialty. The Class Variable Name filter keeps 42 of 42 members.

2011, 2012, 2013 and 2 more Average Current ratio by Commodity Specialty



Sum of Amount for each Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, Liquidity Ratios and Statistics. The Class Category Name filter keeps Commodity Specialty. The Liquidity Ratios filter keeps 1 member. The Statistics filter keeps 1 member. The view is filtered on sum of Amount, Class Variable Name, Statistic Name and Year. The sum of Amount filter includes everything. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Year filter keeps 2011, 2012, 2013, 2014 and 2015.

# Efficiency Ratios

Solvency ratios compare the amount of debt relative to equity invested in the farm sector. The ratios are often referred to as measuring “leverage,” which is the amount of debt used to finance assets. As a result, the ratios provide a measure of the sector’s ability to repay financial liabilities via the sale of assets. By providing a picture of the sector’s current financial position, the ratios also measure the farm sector’s risk exposure and ability to overcome adverse financial events.

None None Total Debt by None

None None Total Debt by None

None None Total Debt by None

Class Variable Name	Amount	Statistic Name	Variable Name	Variable Name	Class Category Name	Variable Name
<div><div></div>All</div>	58,884 to 1.575580..	None	Total Debt	Total Debt		Total Debt
<div><div></div>Arkansas</div>						
		Year	Class Category Name			
		None	None			

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

For more information see:<https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

None None Total Debt by None

Sum of Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which excludes 2011, 2012, 2013, 2014 and 2015. The view is filtered on sum of Amount, Variable Name, Class Category Name, Class Variable Name and Statistic Name. The sum of Amount filter ranges from \$59K to \$15,755,806,115,242,800K. The Variable Name filter keeps Total Debt. The Class Category Name filter excludes Commodity Specialty, Farm Typology, Operator Gender, Regions and States. The Class Variable Name filter keeps 0 of 42 members. The Statistic Name filter keeps 0 of 7 members.

Class Category Name

None None Total Debt by None

Sum of Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which excludes 2011, 2012, 2013, 2014 and 2015. The view is filtered on sum of Amount, Variable Name, Class Category Name, Class Variable Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Total Debt. The Class Category Name filter excludes Commodity Specialty, Farm Typology, Operator Gender, Regions and States. The Class Variable Name filter keeps 0 of 42 members. The Statistic Name filter keeps 0 of 7 members.

Class Category Name

None None Total Debt by None

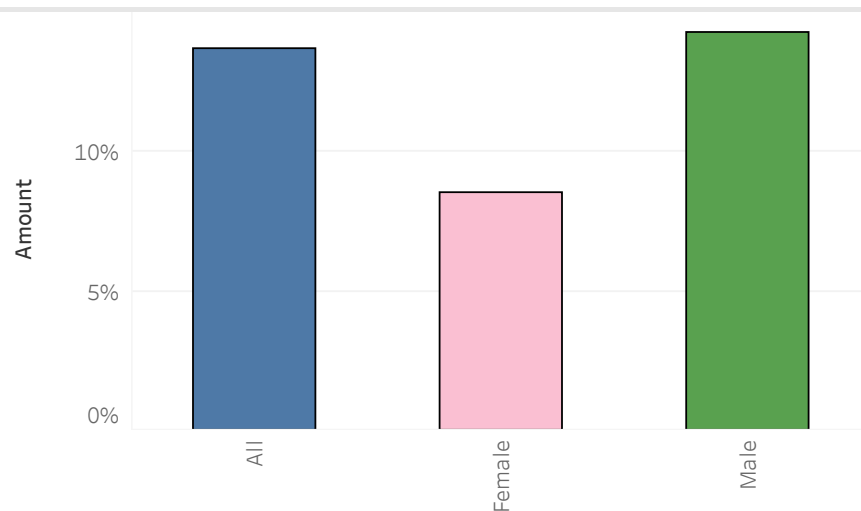
Sum of Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which excludes 2011, 2012, 2013, 2014 and 2015. The view is filtered on sum of Amount, Variable Name, Class Category Name, Class Variable Name and Statistic Name. The sum of Amount filter keeps all values. The Variable Name filter keeps Total Debt. The Class Category Name filter excludes Commodity Specialty, Farm Typology, Operator Gender, Regions and States. The Class Variable Name filter keeps 0 of 42 members. The Statistic Name filter keeps 0 of 7 members.

Class Category Name

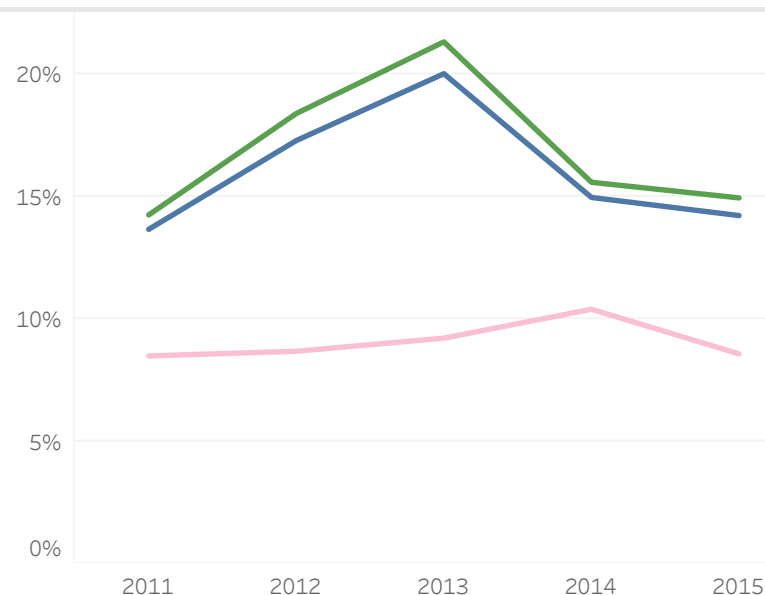


## Female primary operators continue to have very low asset turnover ratios compared to men.

2011 Average Asset Turnover Ratio of Operator Gender



All Average Asset Turnover Ratio by Operator Gender



Class Variable Name

All

Female

Male

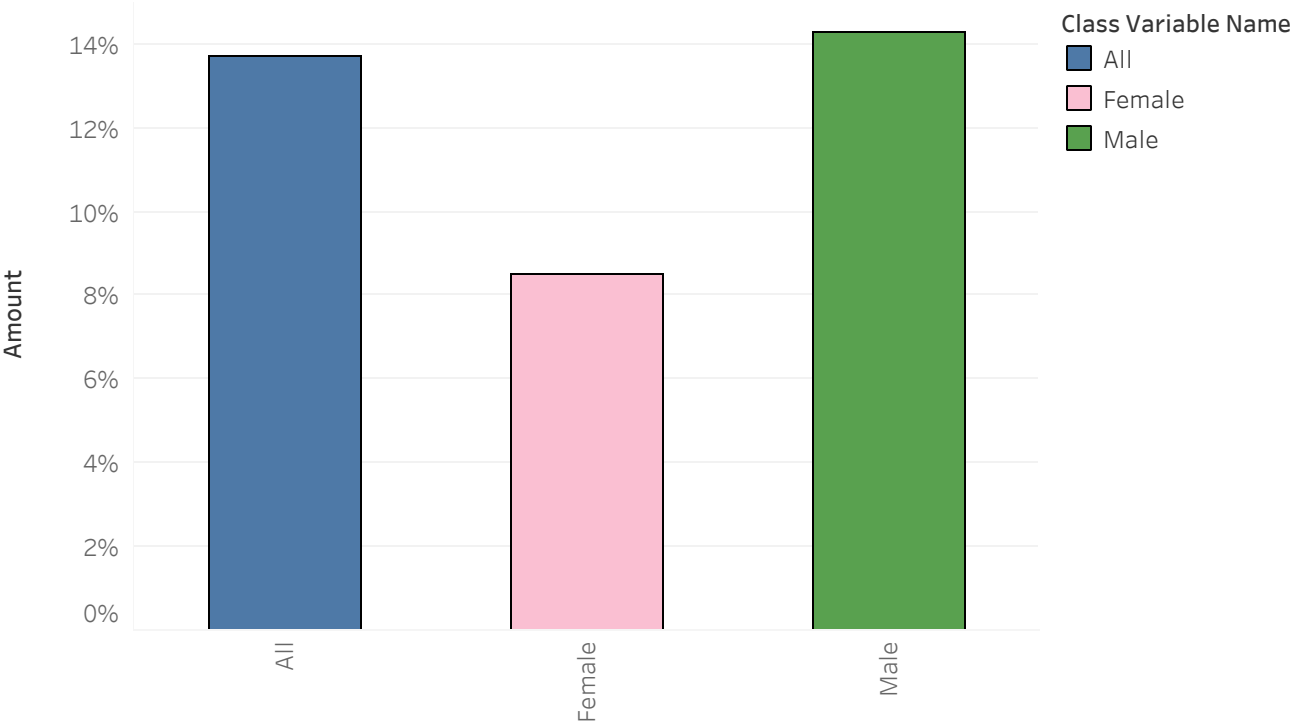
The asset turnover ratio measures the efficiency with which farm assets are used to generate production. According to the FFSC guidelines, numerator is gross revenues. However, their definition of gross revenues matches the value of production calculation in the farm income and wealth statistics data product. Because asset values reported on the balance sheet are estimated as of December 31st each year, the average of the total assets from the start and end of the year are used to represent the average value of assets available to support production during the year in this ratio. This is represented by the denominator  $(\text{Assetst} + \text{Assetst-1}/2)$ . Higher ratios signify the sector's assets are being used to generate production more efficiently.

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

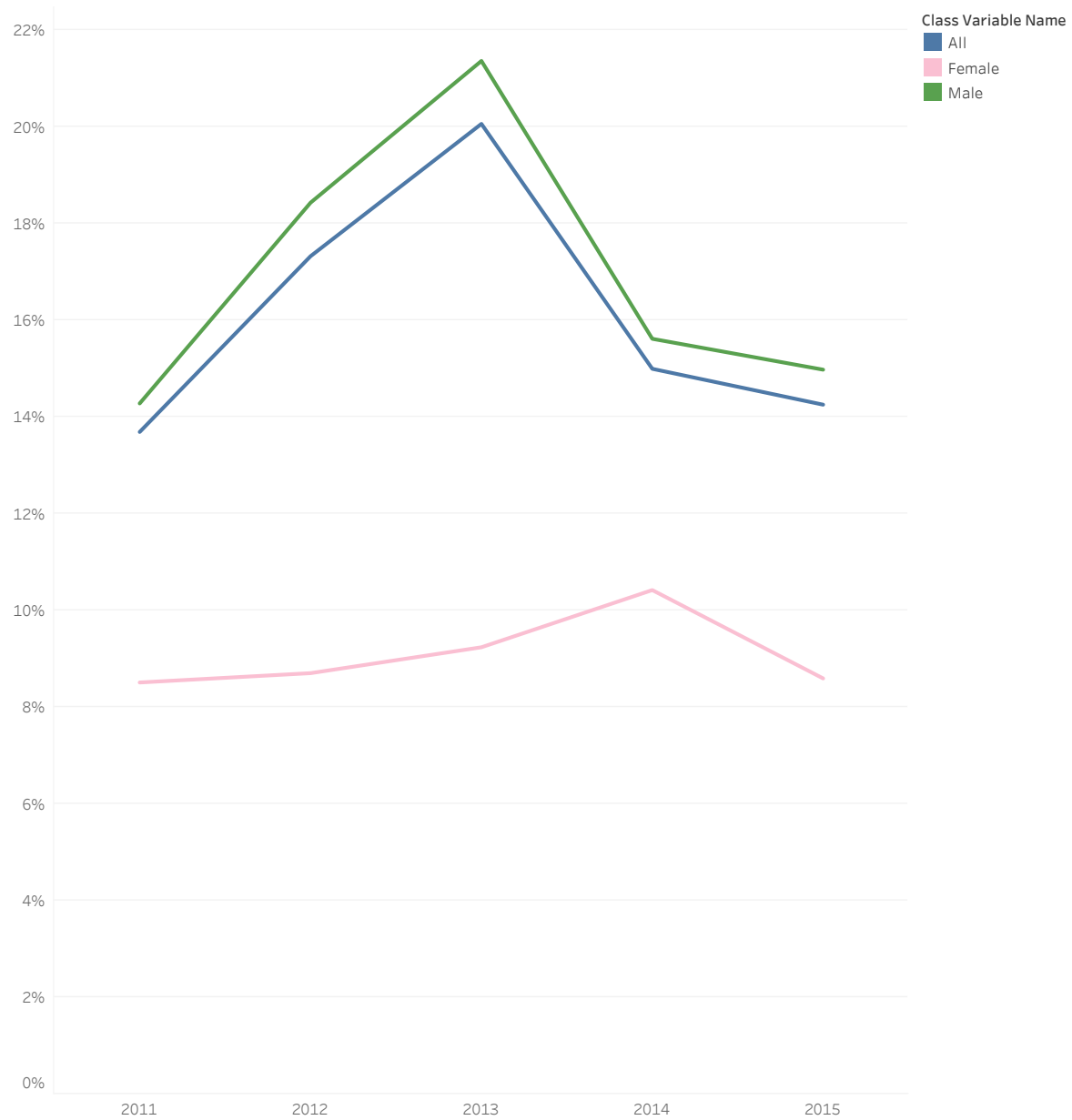
For more information see: <https://www.ers.usda.gov/topics/farm-economy/farm-household-well-being/>

2011 Average Asset Turnover Ratio of Operator Gender



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2011. The Class Category Name filter keeps Operator Gender. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Asset Turnover Ratio.

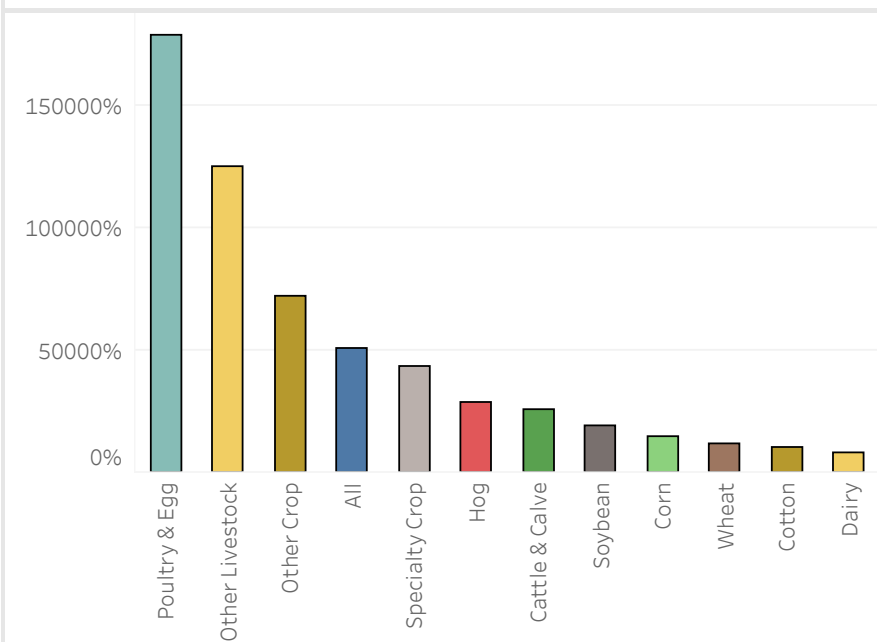
All Average Asset Turnover Ratio by Operator Gender



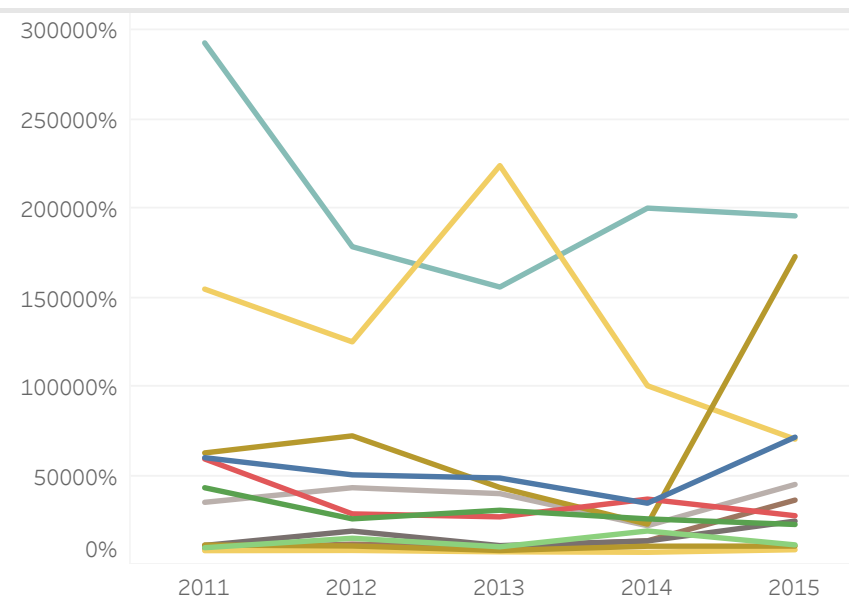
The trend of Amount for Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Operator Gender. The view is filtered on sum of Amount, Year, Class Variable Name, Statistic Name and Variable Name. The sum of Amount filter keeps all values. The Year filter keeps 2011, 2012, 2013, 2014 and 2015. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Asset Turnover Ratio.

Over the past 5 years, Poultry & Egg and Other Livestock producers have maintained a greater operating expense ratio than all other producers.

2012 Average Operating Expense Ratio of Commodity Specialty



All Average Operating Expense Ratio by Commodity Specialty



Year  
2012

Class Variable Name

Poultry & Egg	All	Cattle & Calve	Wheat
Other Livestock	Specialty Crop	Soybean	Cotton
Other Crop	Hog	Corn	Dairy

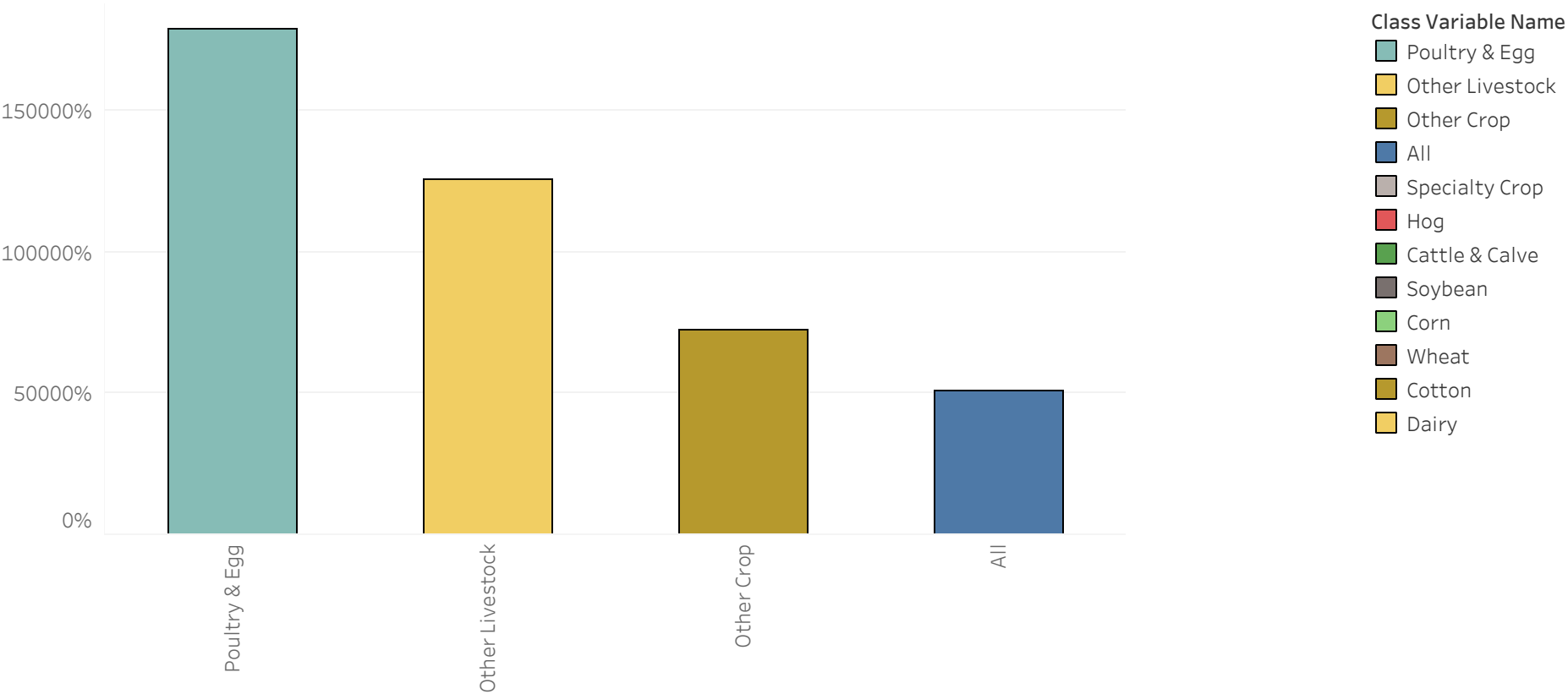
The operating expense ratio measures the amount of cash the farm sector spends to generate a dollar of production. According to the FFSC guidelines, the denominator is gross revenues. However, its definition of gross revenues matches the value of production calculation in the farm income and wealth statistics data product. Therefore, the ratio can be thought of as the proportion of production required to cover operating expenses. Higher values indicate a greater proportion of production is required to cover operating expenses, signifying less efficiency in converting production to profits. Values less than one indicate production exceeds cash expens..

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

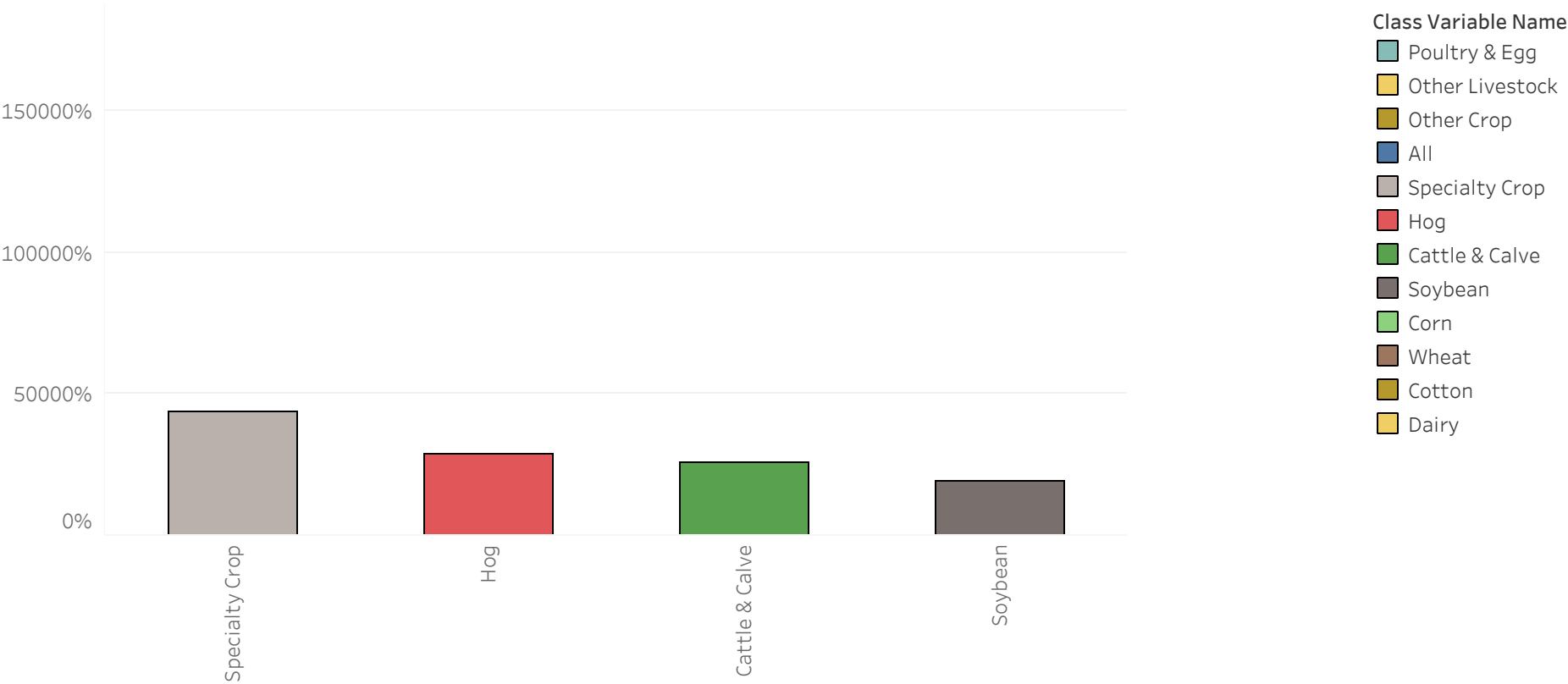
For more information see: <https://www.ers.usda.gov/topics/farm-economy/farm-household-well-being/>

2012 Average Operating Expense Ratio of Commodity Specialty



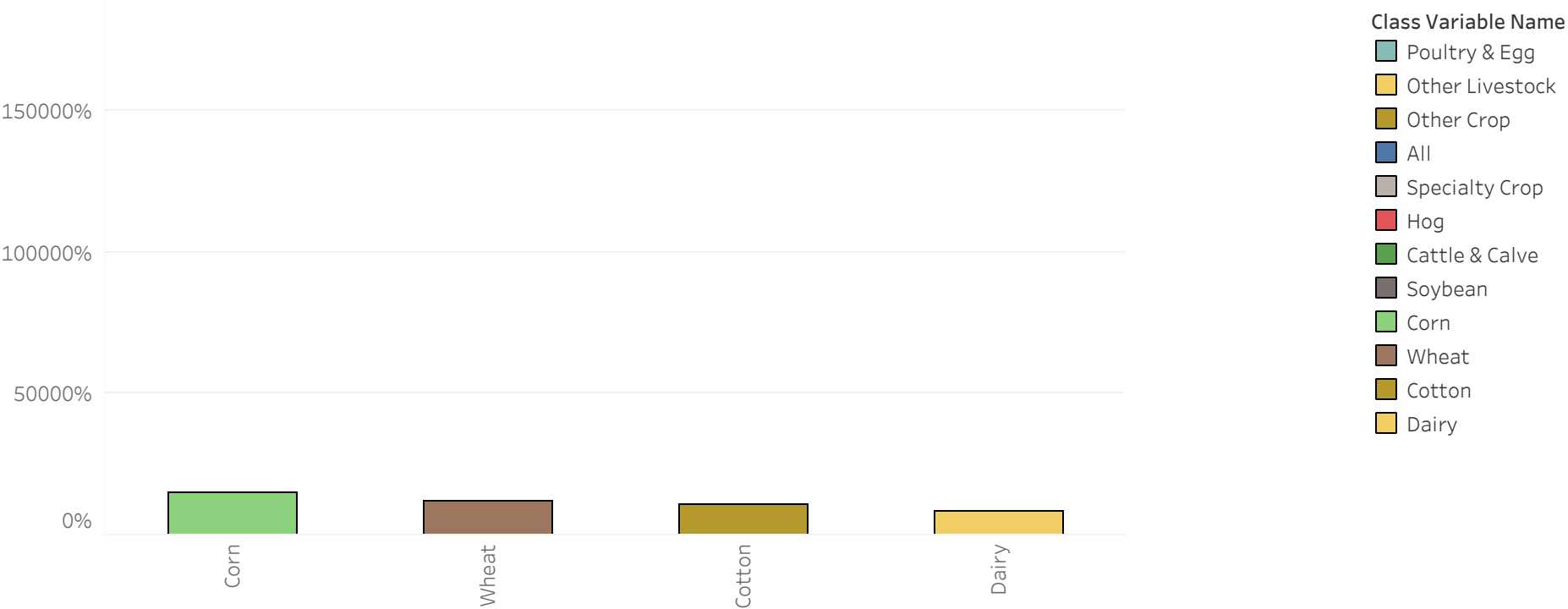
Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2012. The Class Category Name filter keeps Commodity Specialty. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Operating Expense Ratio.

2012 Average Operating Expense Ratio of Commodity Specialty



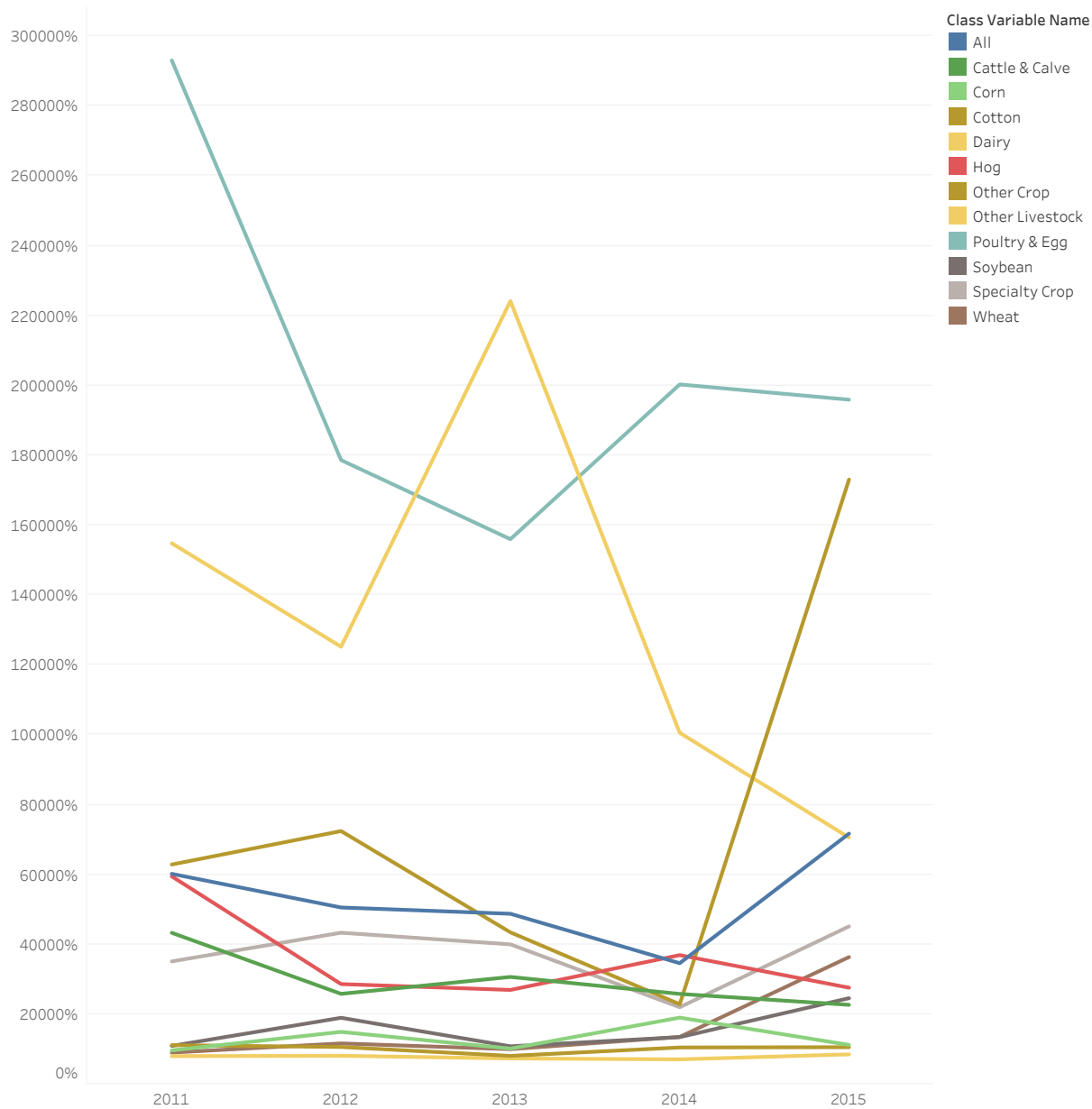
Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2012. The Class Category Name filter keeps Commodity Specialty. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Operating Expense Ratio.

2012 Average Operating Expense Ratio of Commodity Specialty



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2012. The Class Category Name filter keeps Commodity Specialty. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Operating Expense Ratio.

All Average Operating Expense Ratio by Commodity Specialty



The trend of Amount for Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Commodity Specialty. The view is filtered on sum of Amount, Year, Class Variable Name, Statistic Name and Variable Name. The sum of Amount filter keeps all values. The Year filter keeps 2011, 2012, 2013, 2014 and 2015. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Operating Expense Ratio.



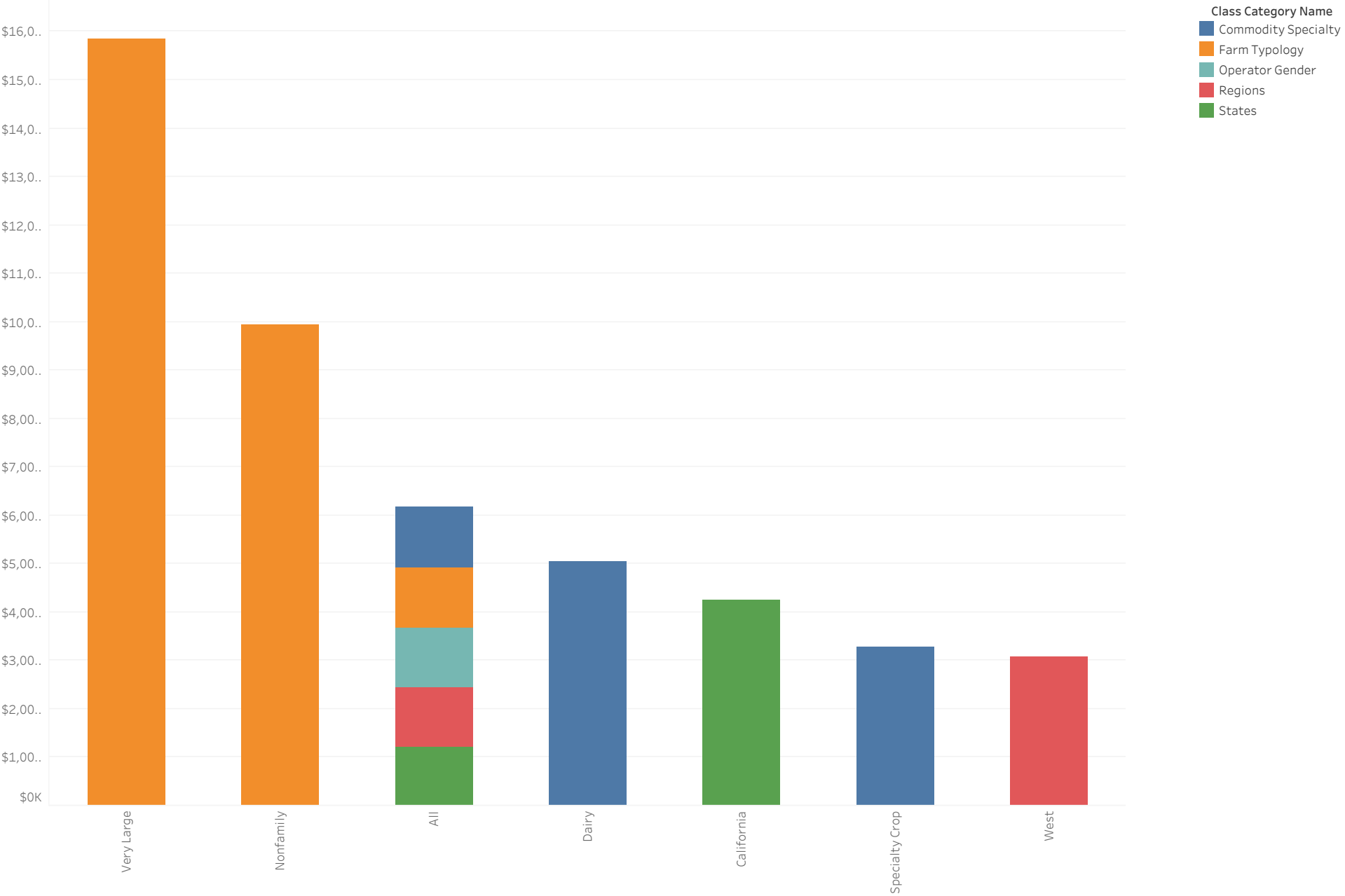
# Profitability Ratios

Solvency ratios compare the amount of debt relative to equity invested in the farm sector. The ratios are often referred to as measuring “leverage,” which is the amount of debt used to finance assets. As a result, the ratios provide a measure of the sector’s ability to repay financial liabilities via the sale of assets. By providing a picture of the sector’s current financial position, the ratios also measure the farm sector’s risk exposure and ability to overcome adverse financial events.

None None Total Debt by None	None None Total Debt by None	None None Total Debt by None
------------------------------	------------------------------	------------------------------

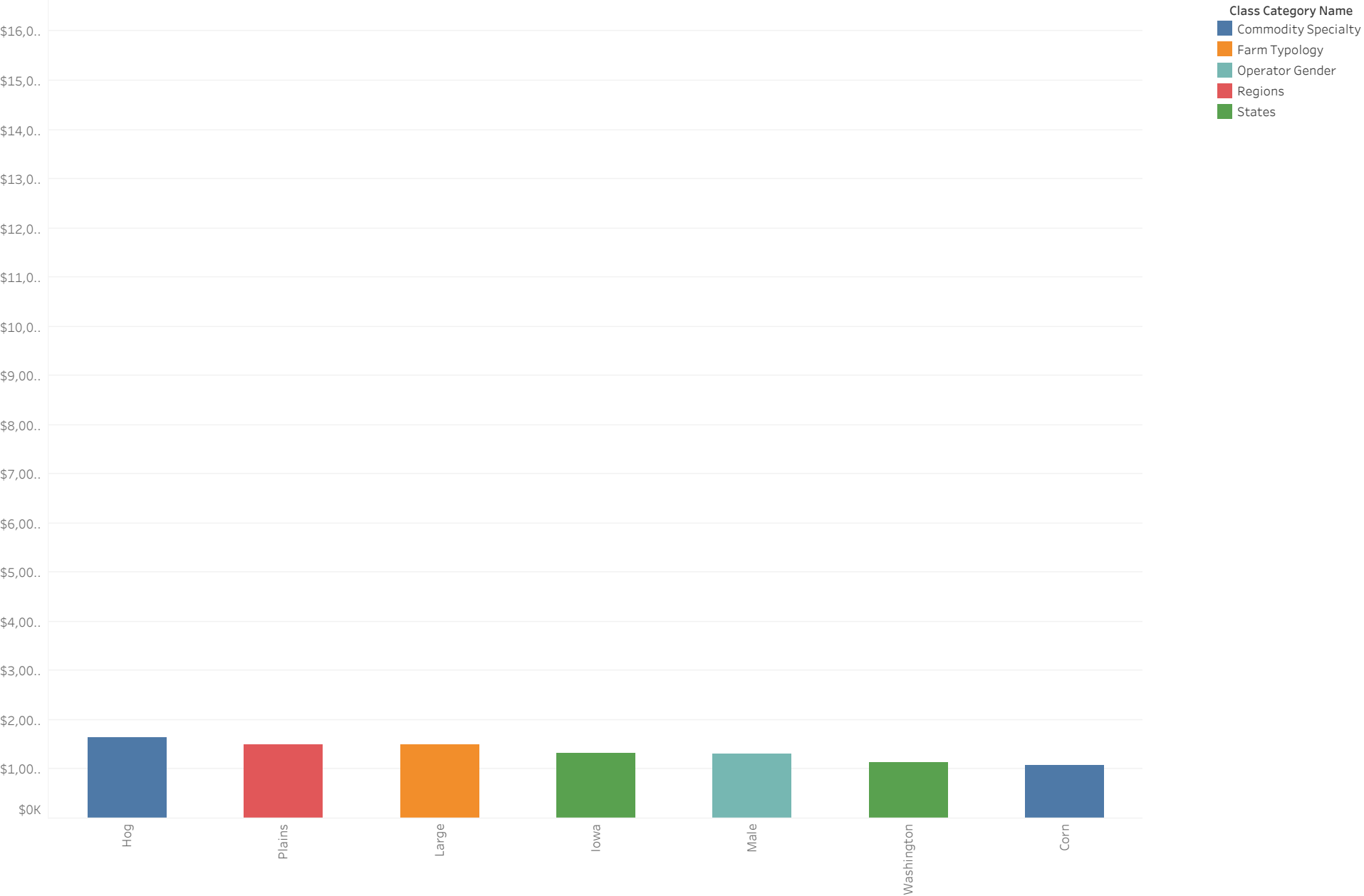
Class Variable Name	Amount	Statistic Name	Variable Name	Variable Name	Class Category Name	Variable Name
<div><div>All</div><div>Arkansas</div></div>	58,884 to 1.575580..	None	Total Debt	Total Debt		Total Debt
		Year	Class Category Name			
		None	None			

None All All by All



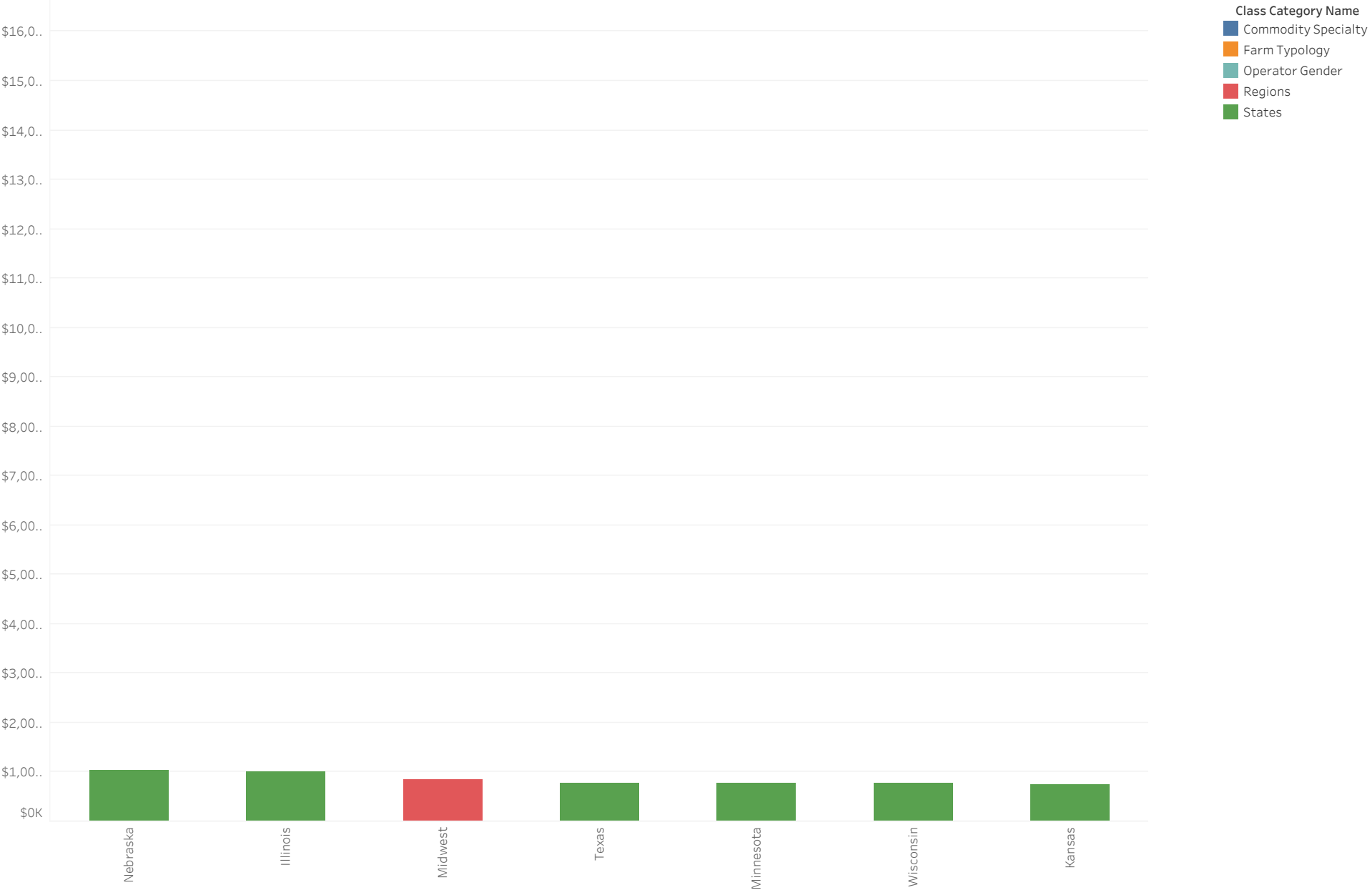
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The view is filtered on sum of Amount, which ranges from \$59K to \$15,755,806,115,242,800K.

None All All by All



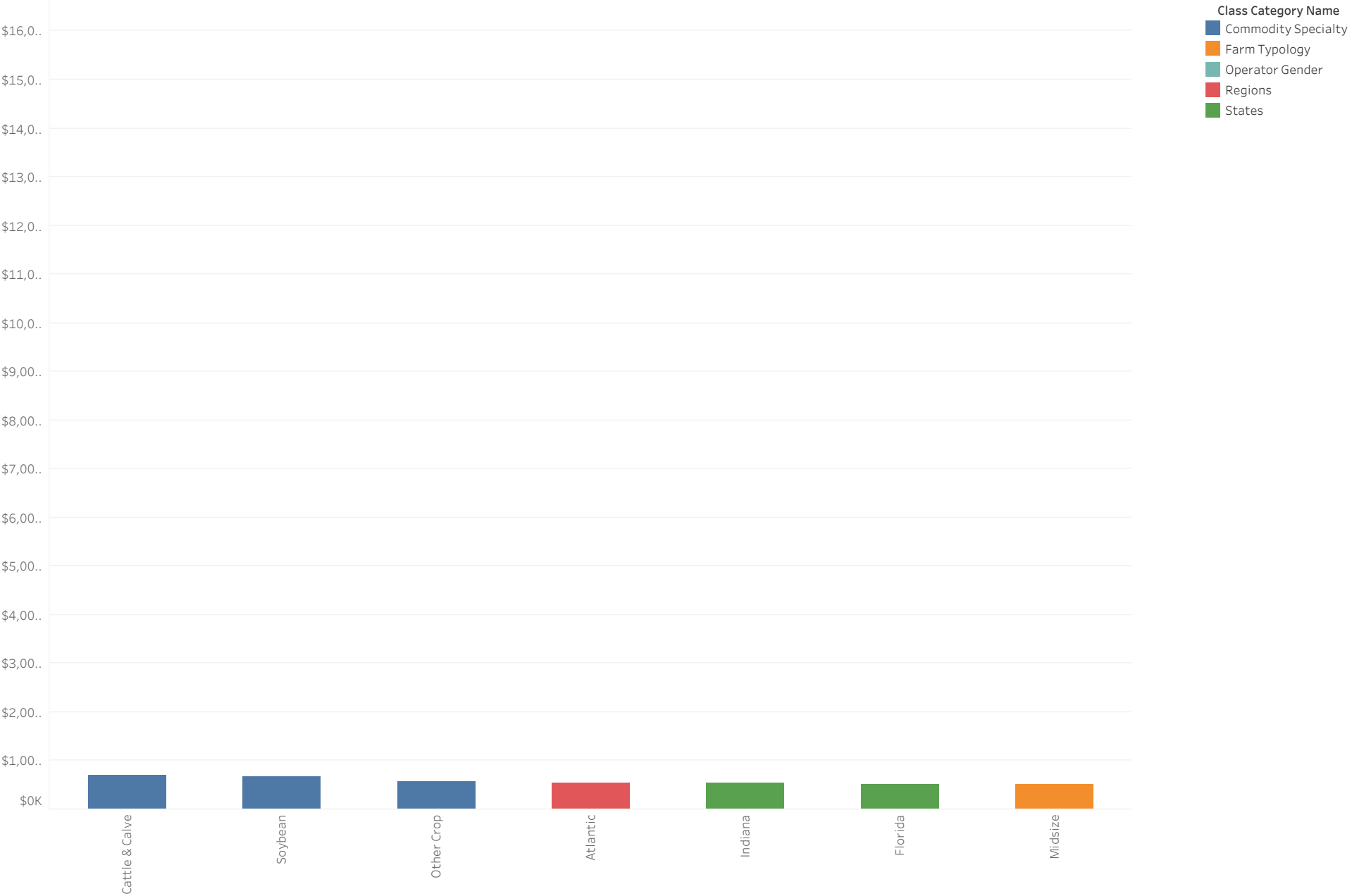
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The view is filtered on sum of Amount, which ranges from \$59K to \$15,755,806,115,242,800K.

None All All by All



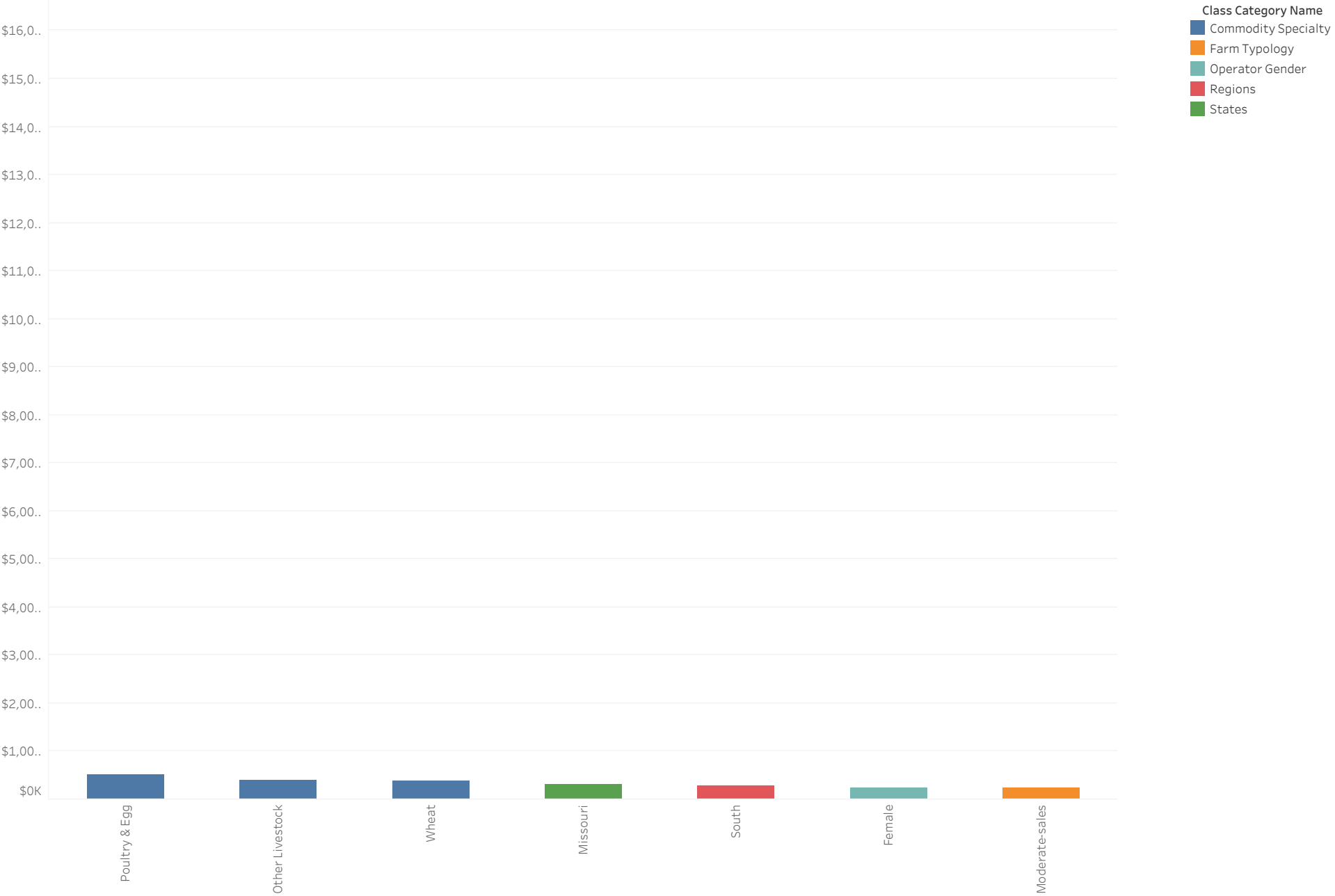
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The view is filtered on sum of Amount, which ranges from \$59K to \$15,755,806,115,242,800K.

None All All by All



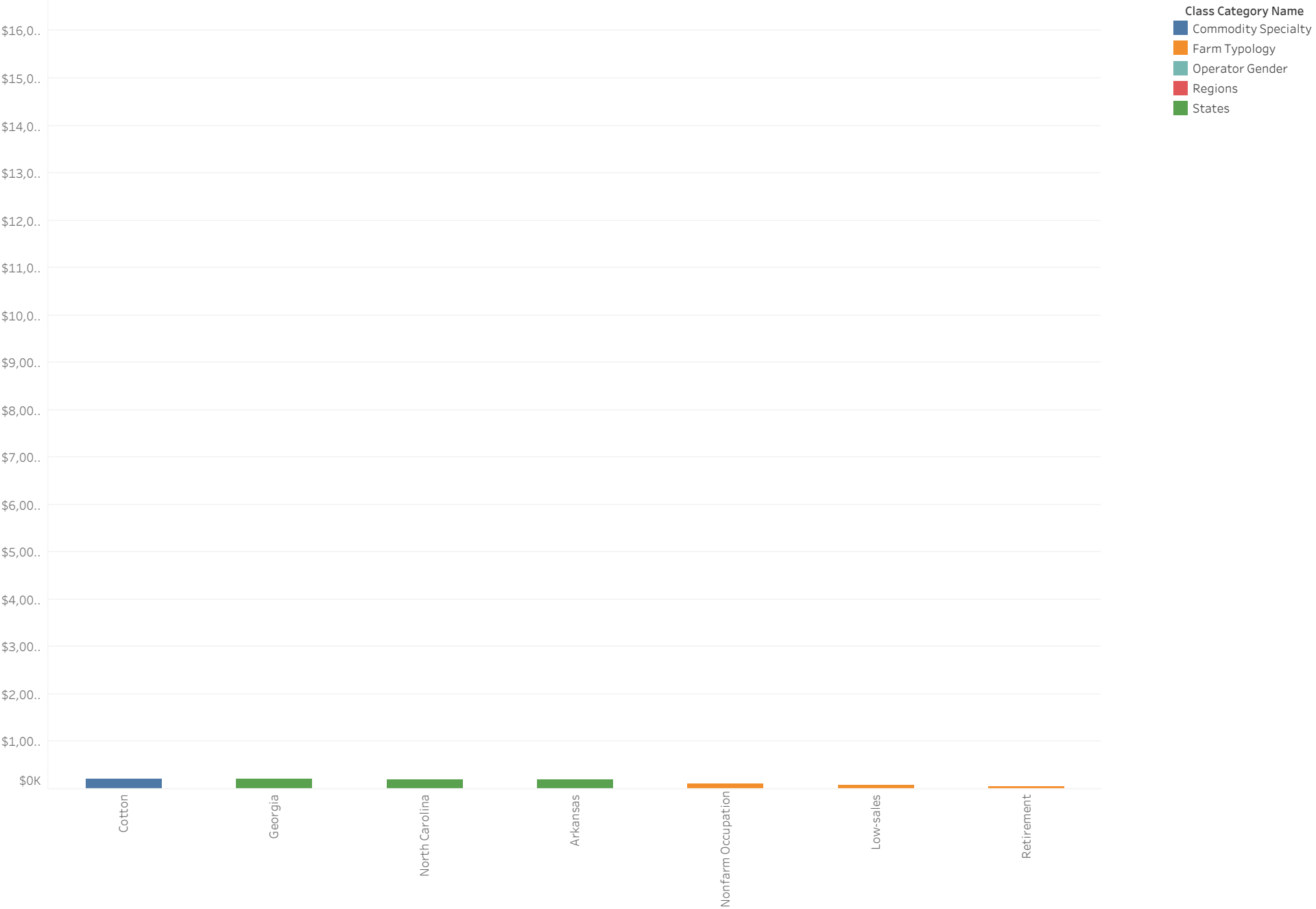
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The view is filtered on sum of Amount, which ranges from \$59K to \$15,755,806,115,242,800K.

None All All by All



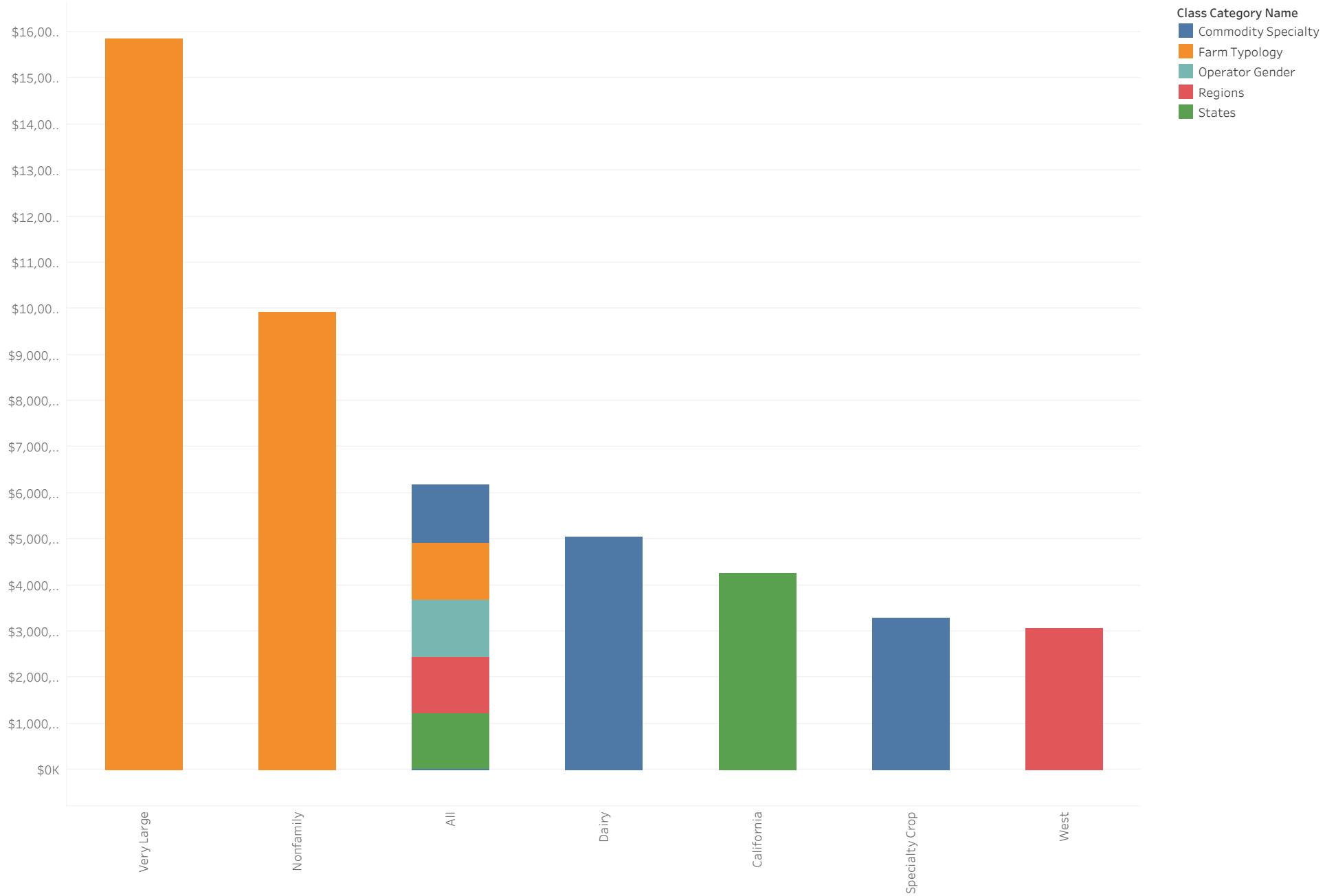
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The view is filtered on sum of Amount, which ranges from \$59K to \$15,755,806,115,242,800K.

None All All by All



Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The view is filtered on sum of Amount, which ranges from \$59K to \$15,755,806,115,242,800K.

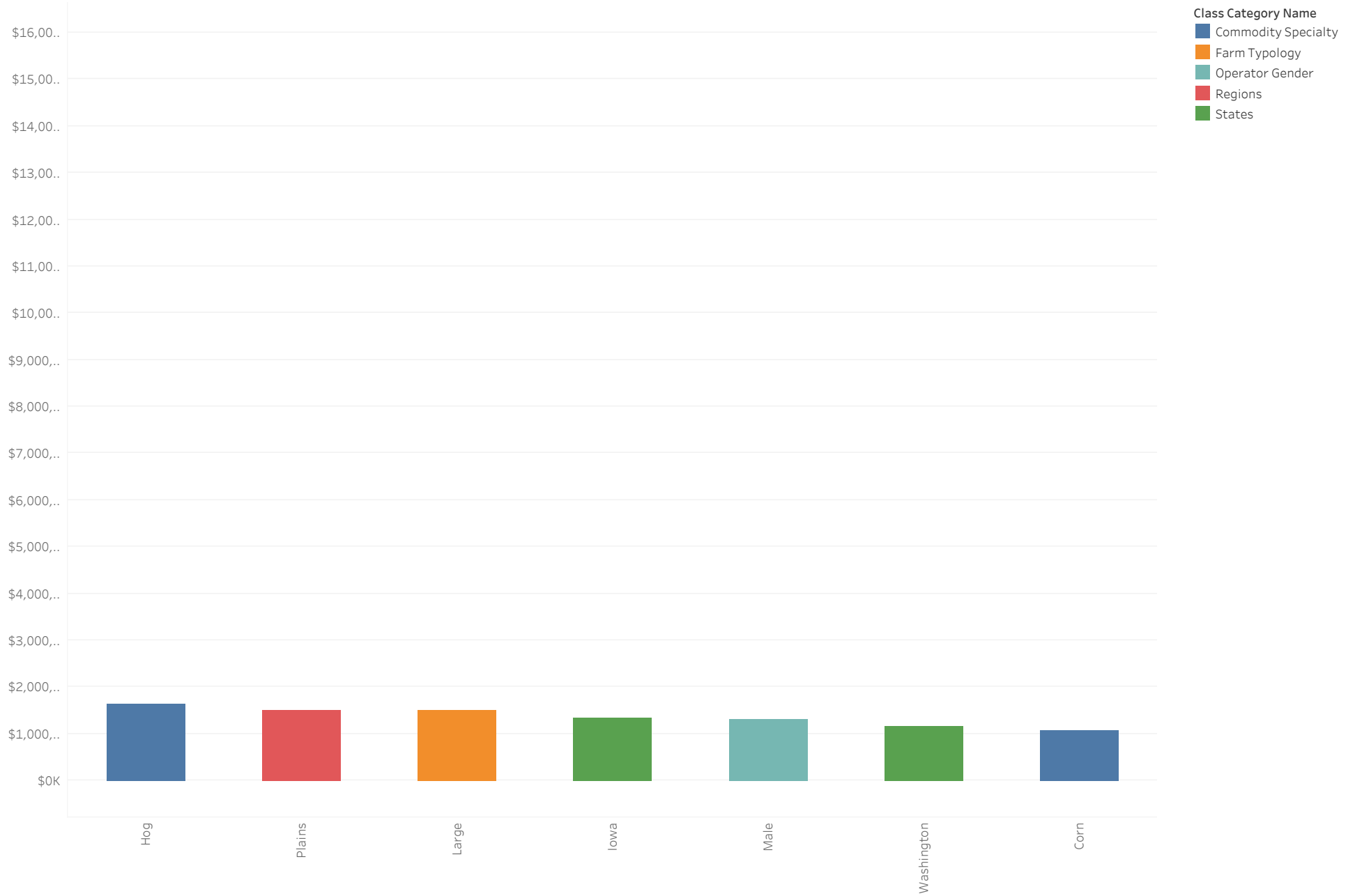
None All All by All



Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The view is filtered on sum of Amount, which keeps all values.

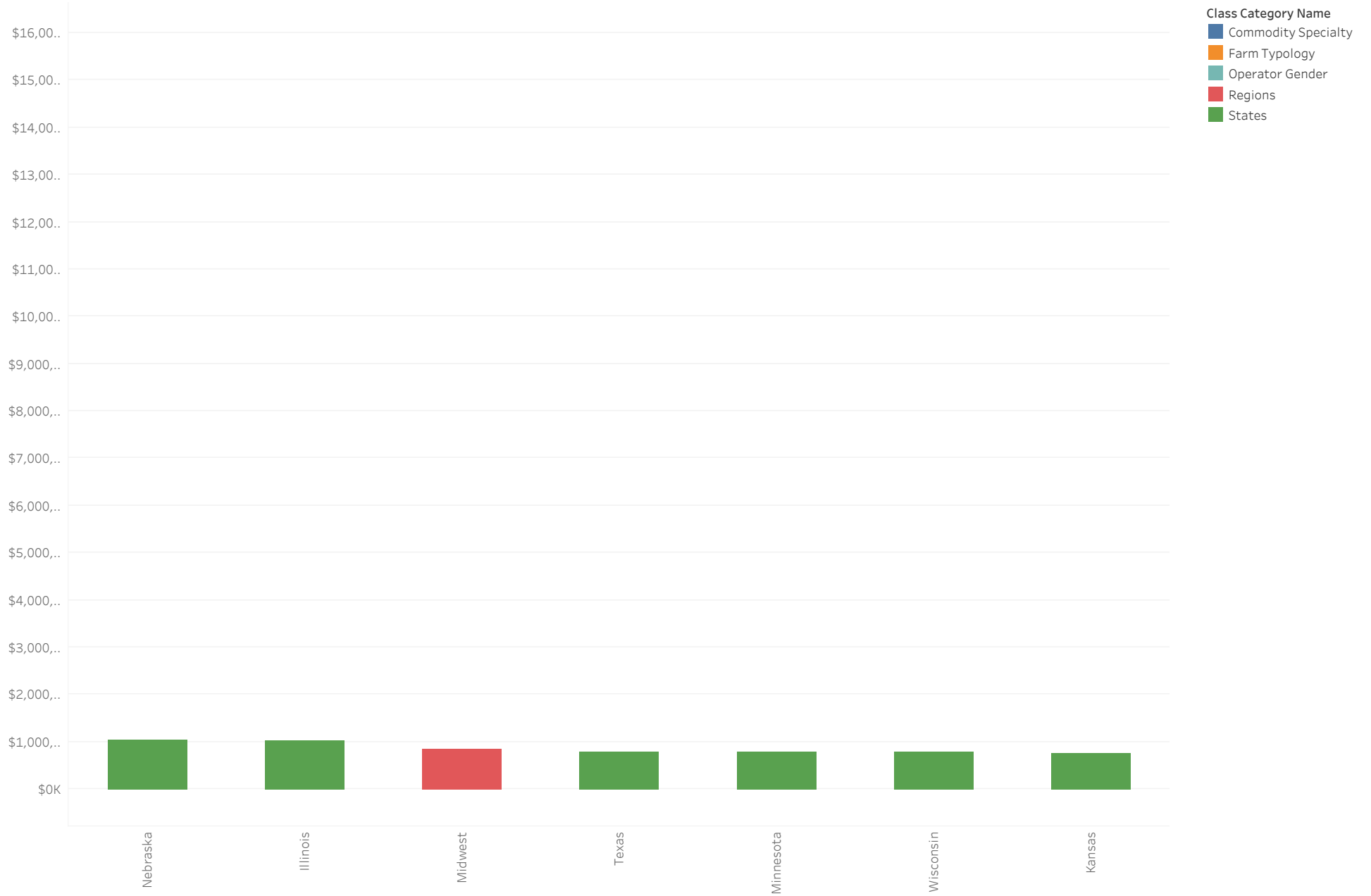


None All All by All



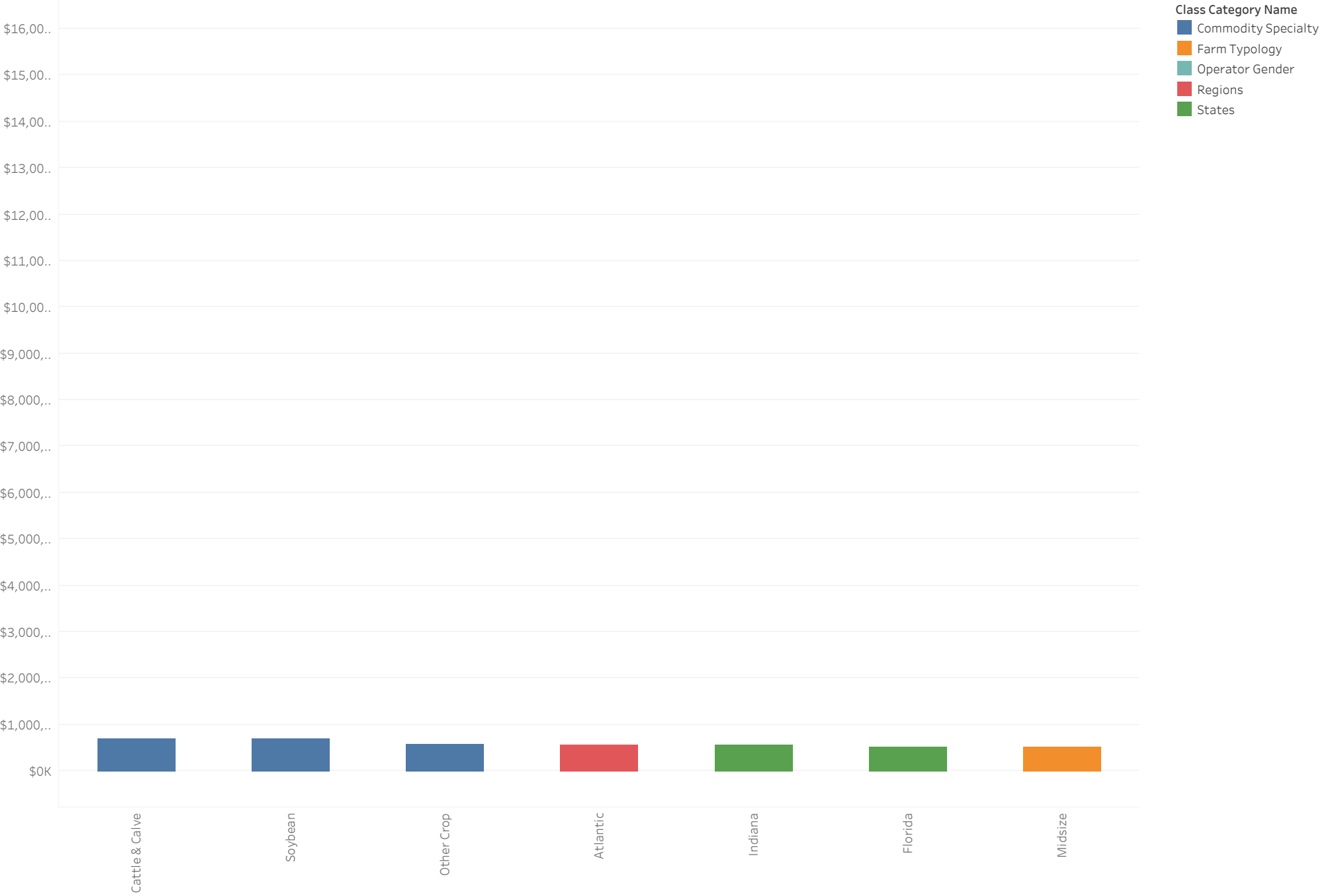
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The view is filtered on sum of Amount, which keeps all values.

None All All by All



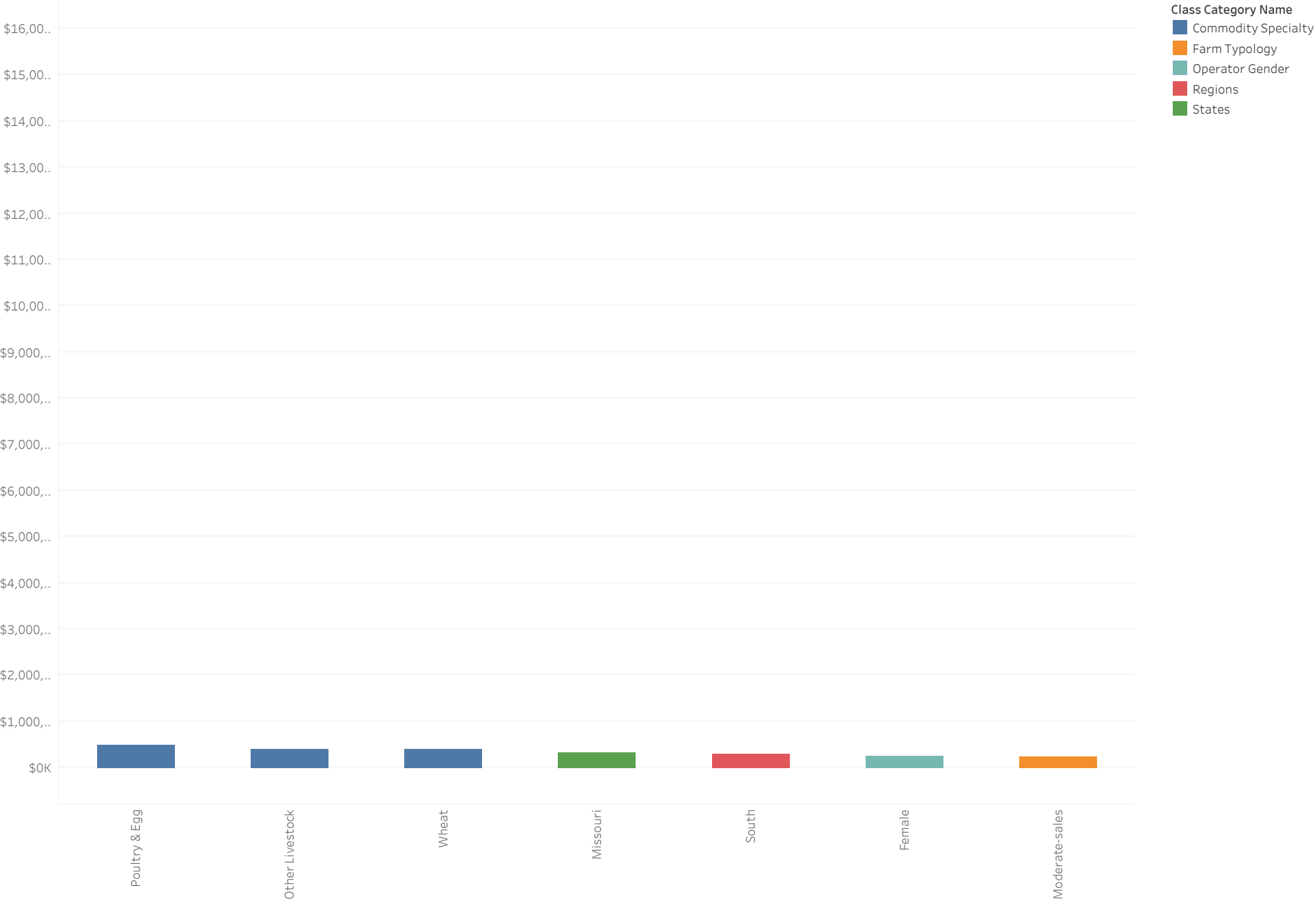
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The view is filtered on sum of Amount, which keeps all values.

None All All by All



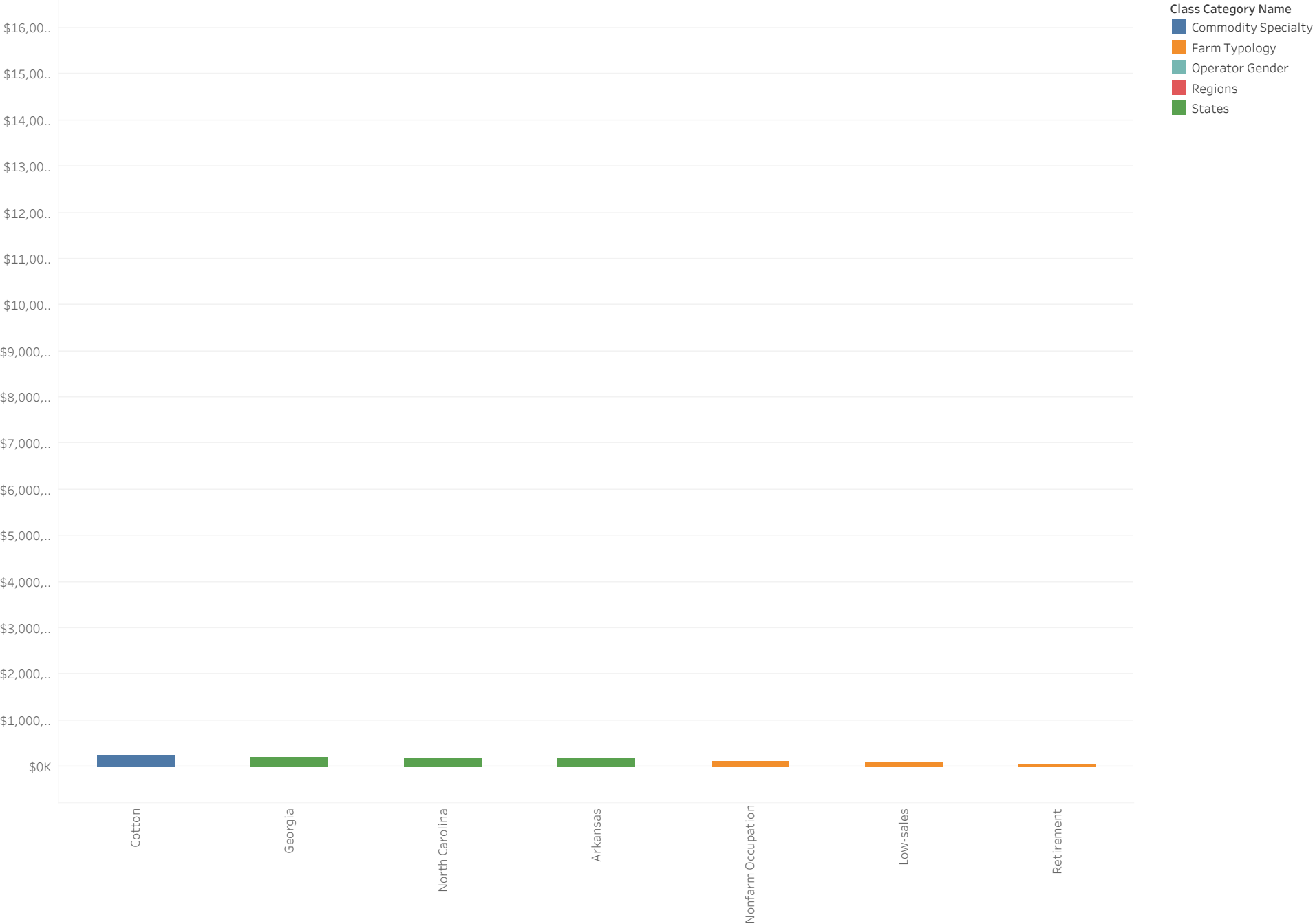
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The view is filtered on sum of Amount, which keeps all values.

None All All by All



Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The view is filtered on sum of Amount, which keeps all values.

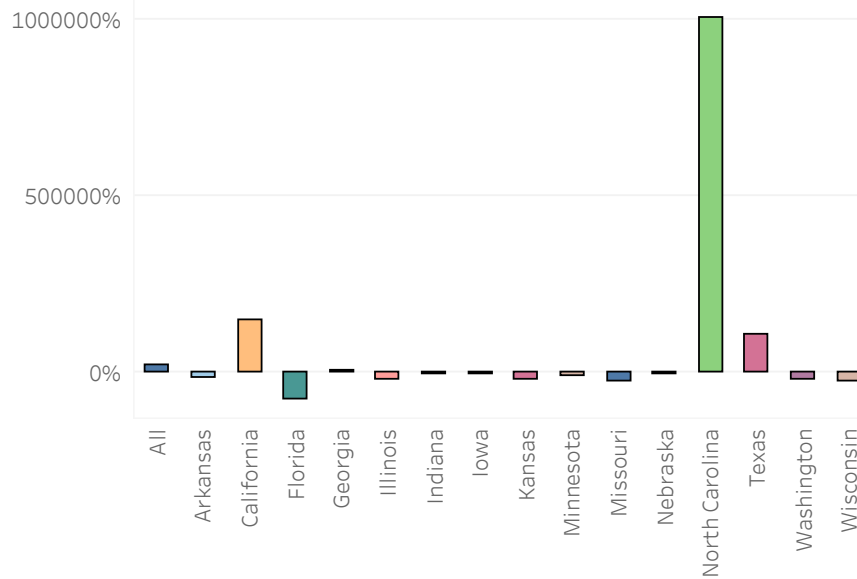
None All All by All



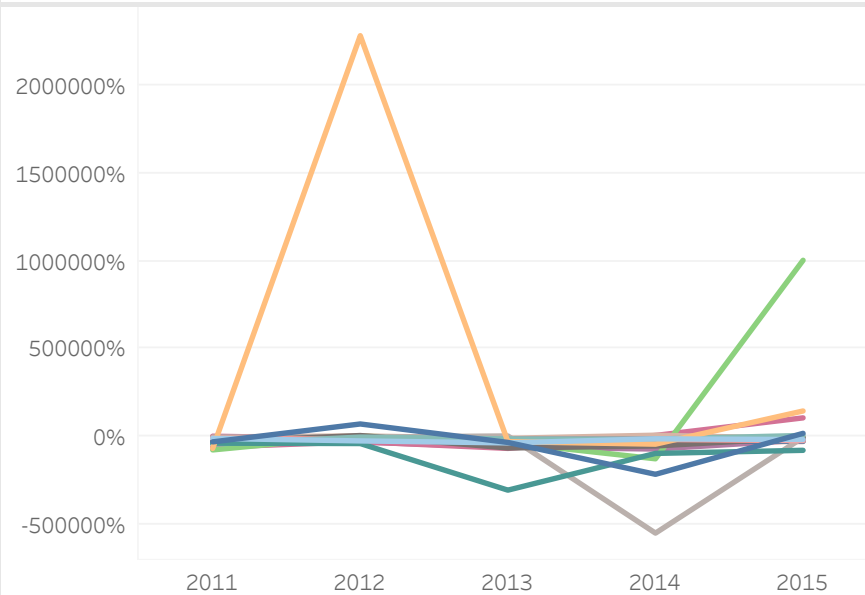
Amount for each Class Variable Name. Color shows details about Class Category Name. Details are shown for various dimensions. The view is filtered on sum of Amount, which keeps all values.

## Need to add to story

2015 Average Operating Profit Margin Ratio of States

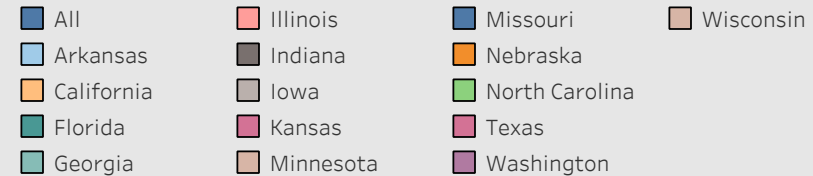


All Average Operating Profit Margin Ratio by States



Year  
2015

### Class Variable Name



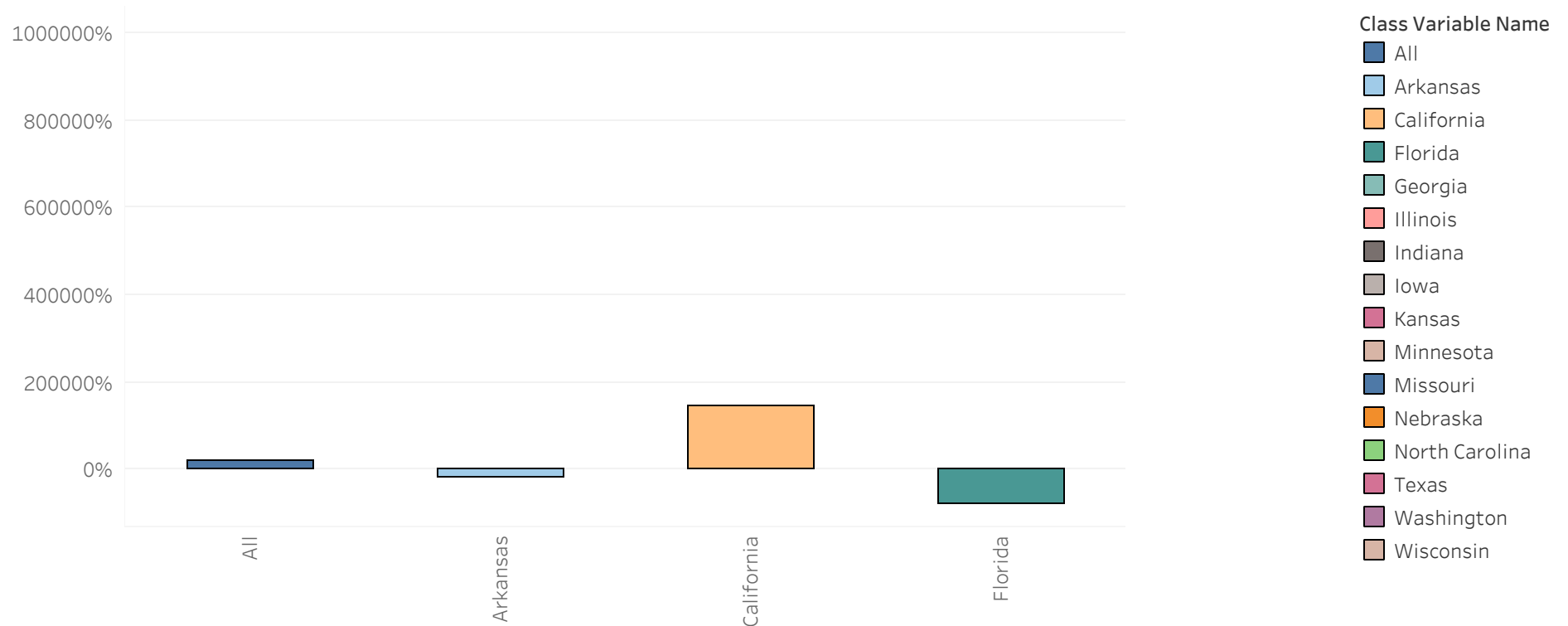
**The operating profit margin ratio measures profitability as a proportion of total production. This ratio increases as expenses decrease relative to value of production. Higher values mean the sector is efficiently converting production into returns (net farm income, interest, and returns to unpaid labor and management).**

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

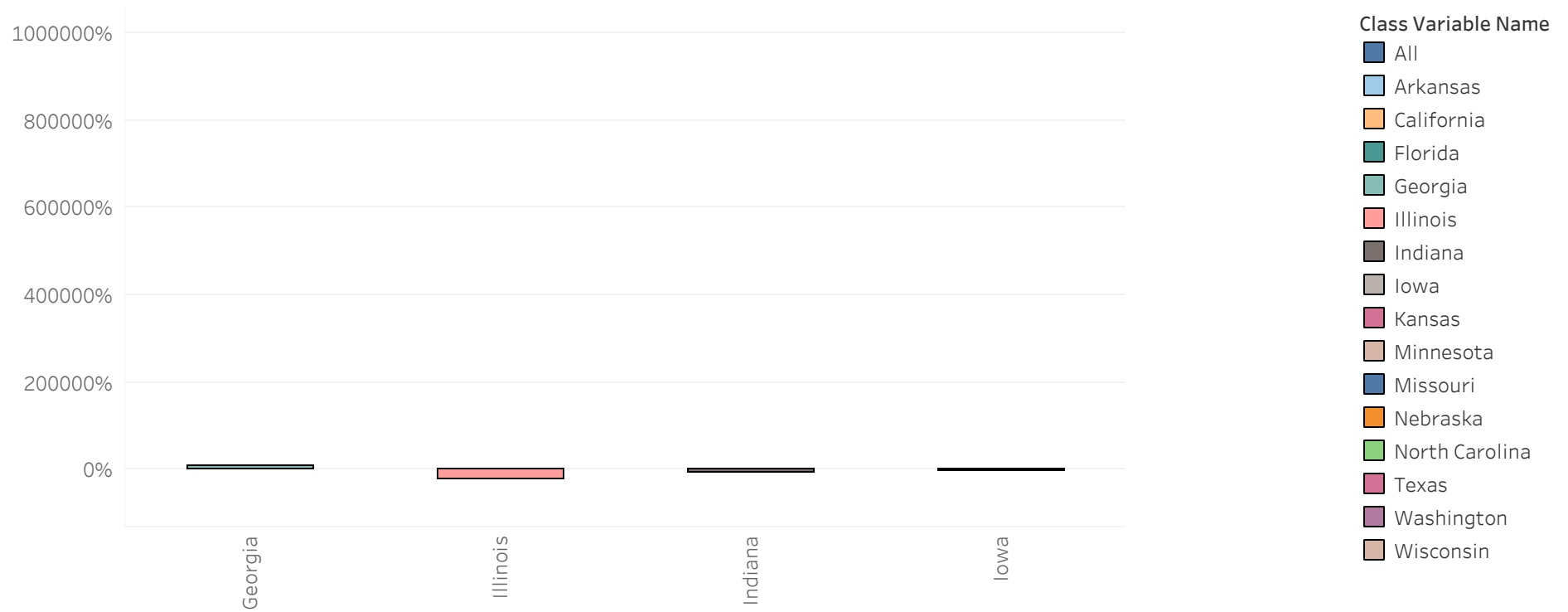
For more information see: <https://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/documentation-for-the-farm-sector-financial-ratios/>

2015 Average Operating Profit Margin Ratio of States



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2015. The Class Category Name filter keeps States. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Operating Profit Margin Ratio.

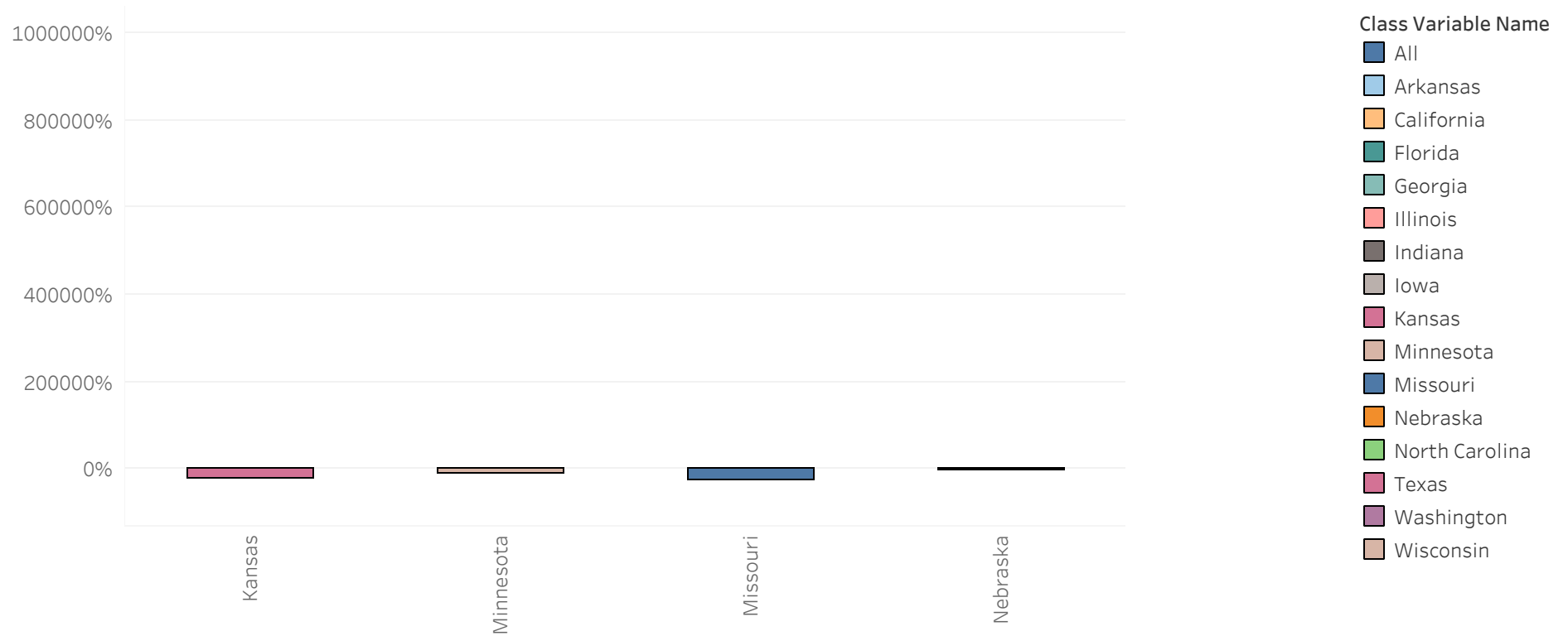
2015 Average Operating Profit Margin Ratio of States



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2015. The Class Category Name filter keeps States. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Operating Profit Margin Ratio.

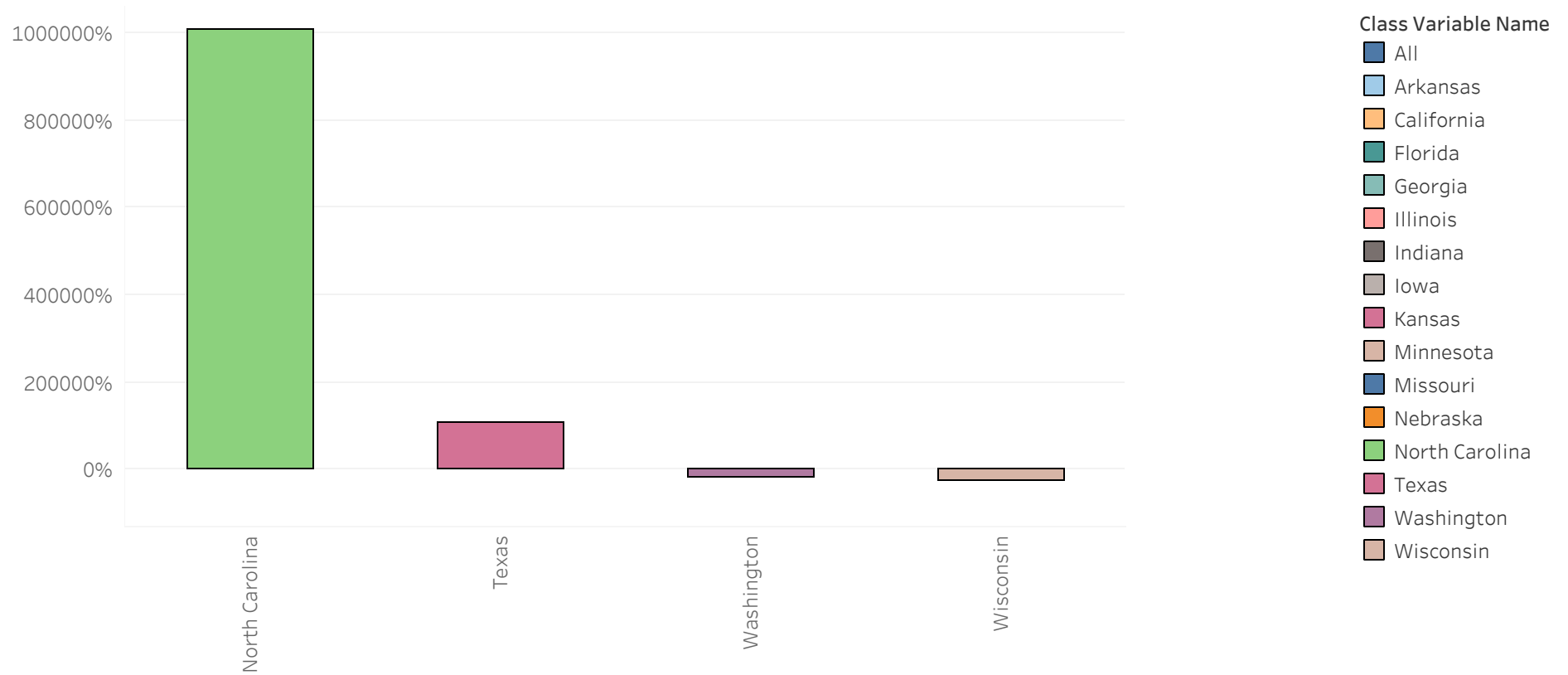


2015 Average Operating Profit Margin Ratio of States



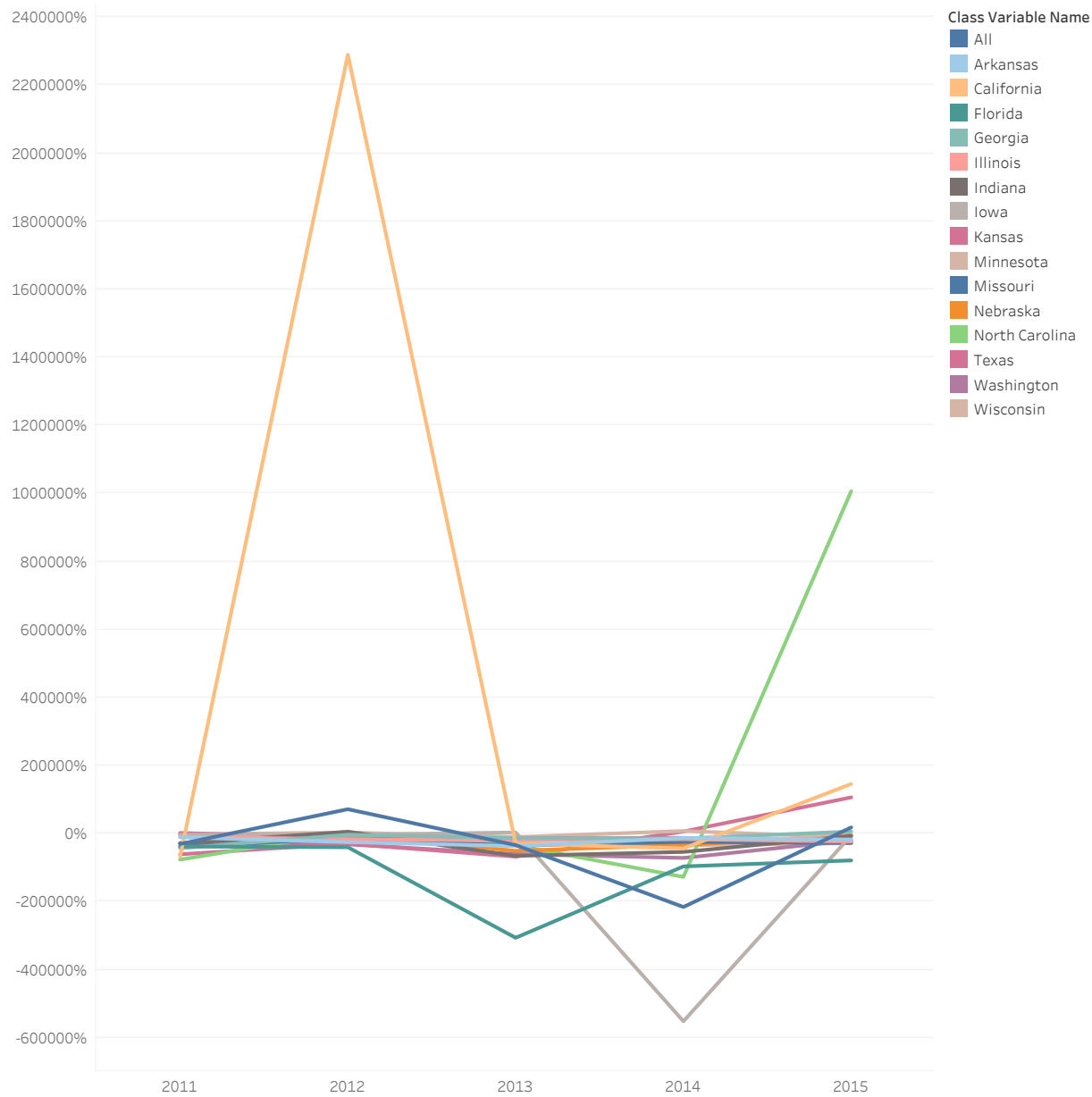
Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2015. The Class Category Name filter keeps States. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Operating Profit Margin Ratio.

2015 Average Operating Profit Margin Ratio of States



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2015. The Class Category Name filter keeps States. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Operating Profit Margin Ratio.

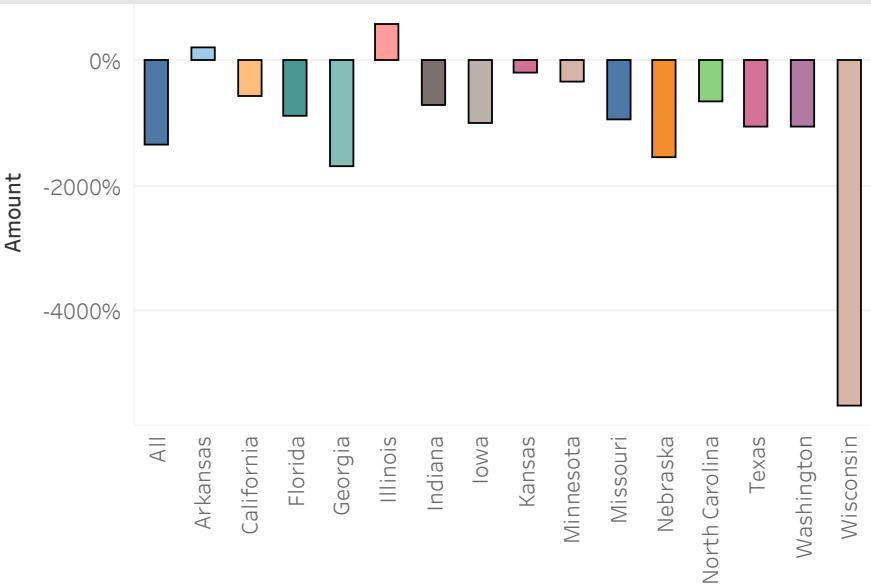
All Average Operating Profit Margin Ratio by States



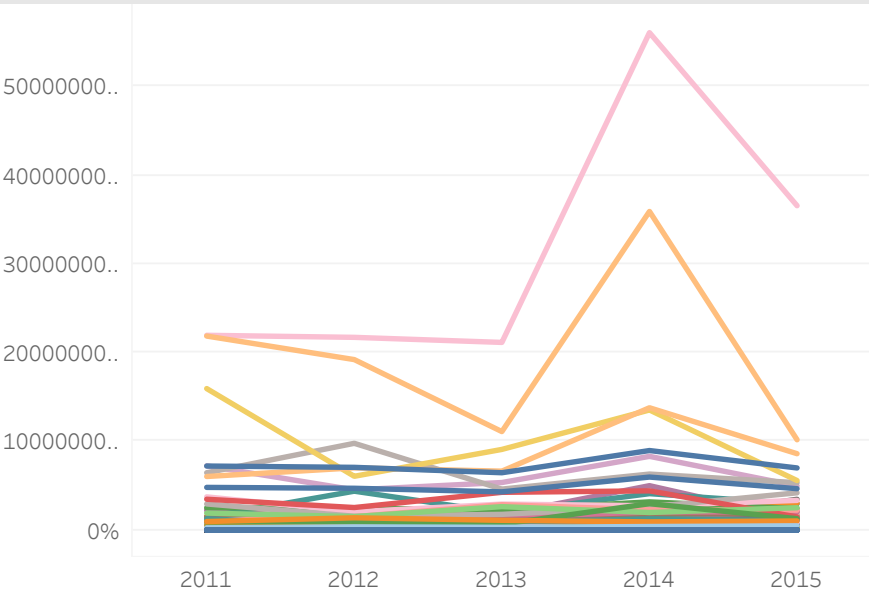
The trend of Amount for Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps States. The view is filtered on sum of Amount, Year, Class Variable Name, Statistic Name and Variable Name. The sum of Amount filter keeps all values. The Year filter keeps 2011, 2012, 2013, 2014 and 2015. The Class Variable Name filter keeps 42 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Operating Profit Margin Ratio.

Need story here

2015 Average Total Rate of Return on Farm Equity of States



All All All by None

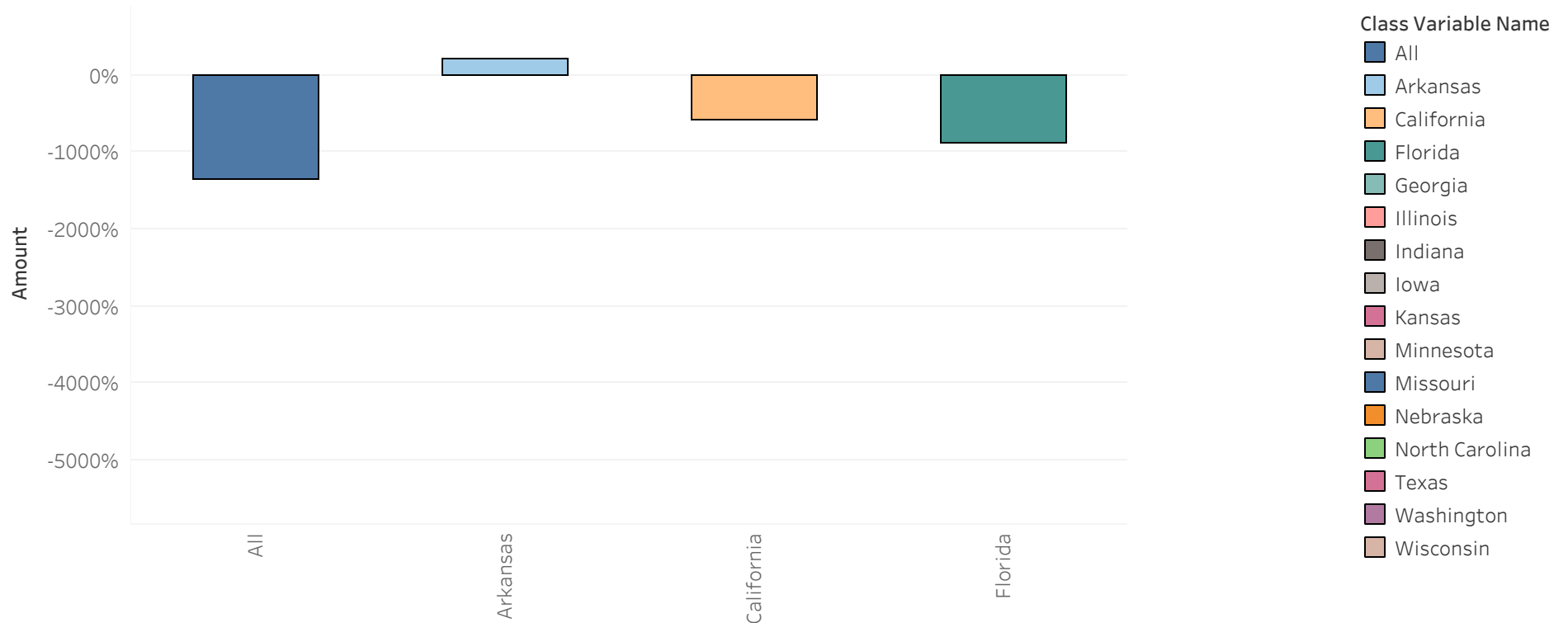


Year  
2015

- Class Variable Name
- |            |           |                |           |
|------------|-----------|----------------|-----------|
| All        | Illinois  | Missouri       | Wisconsin |
| Arkansas   | Indiana   | Nebraska       |           |
| California | Iowa      | North Carolina |           |
| Florida    | Kansas    | Texas          |           |
| Georgia    | Minnesota | Washington     |           |

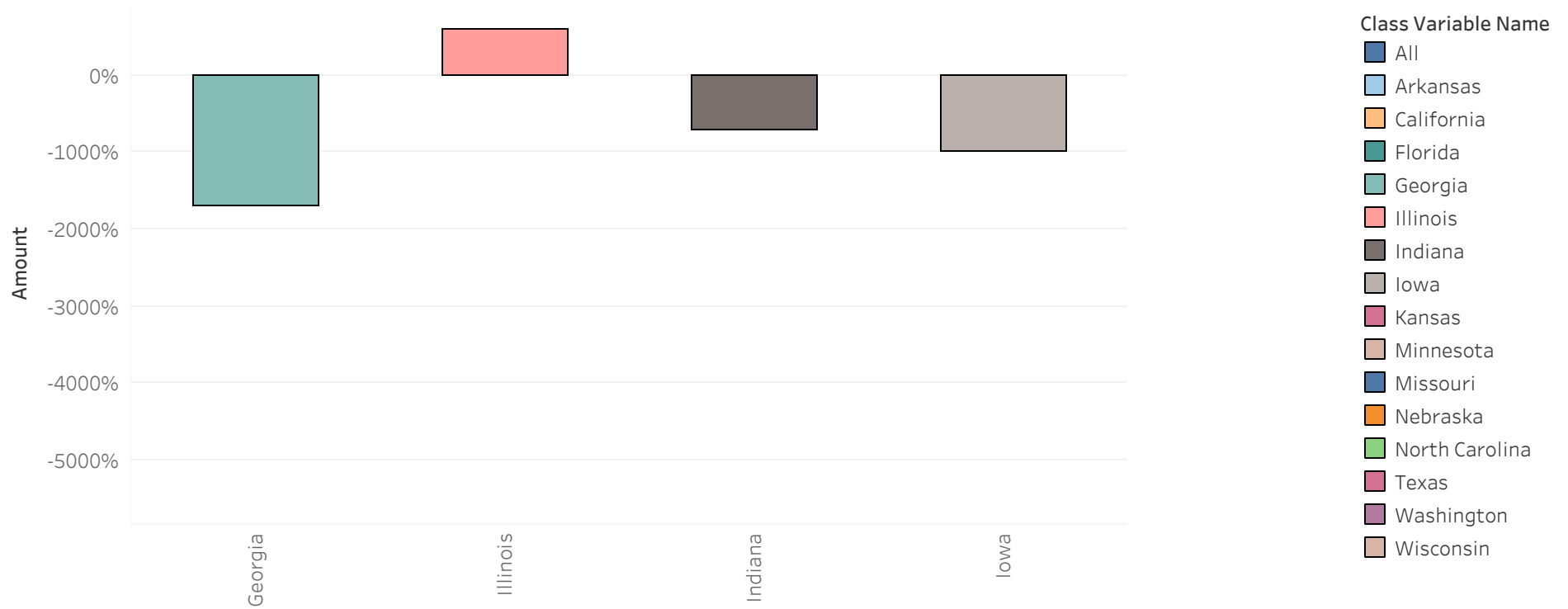
The rate of return on farm equity can be broken down into the returns from farm operations and capital gains. The rate of return from income provides a measure of farm operation profitability. Changes in the value of farm sector assets are used to measure the returns from capital gains. By including the return from farm operation..

2015 Average Total Rate of Return on Farm Equity of States



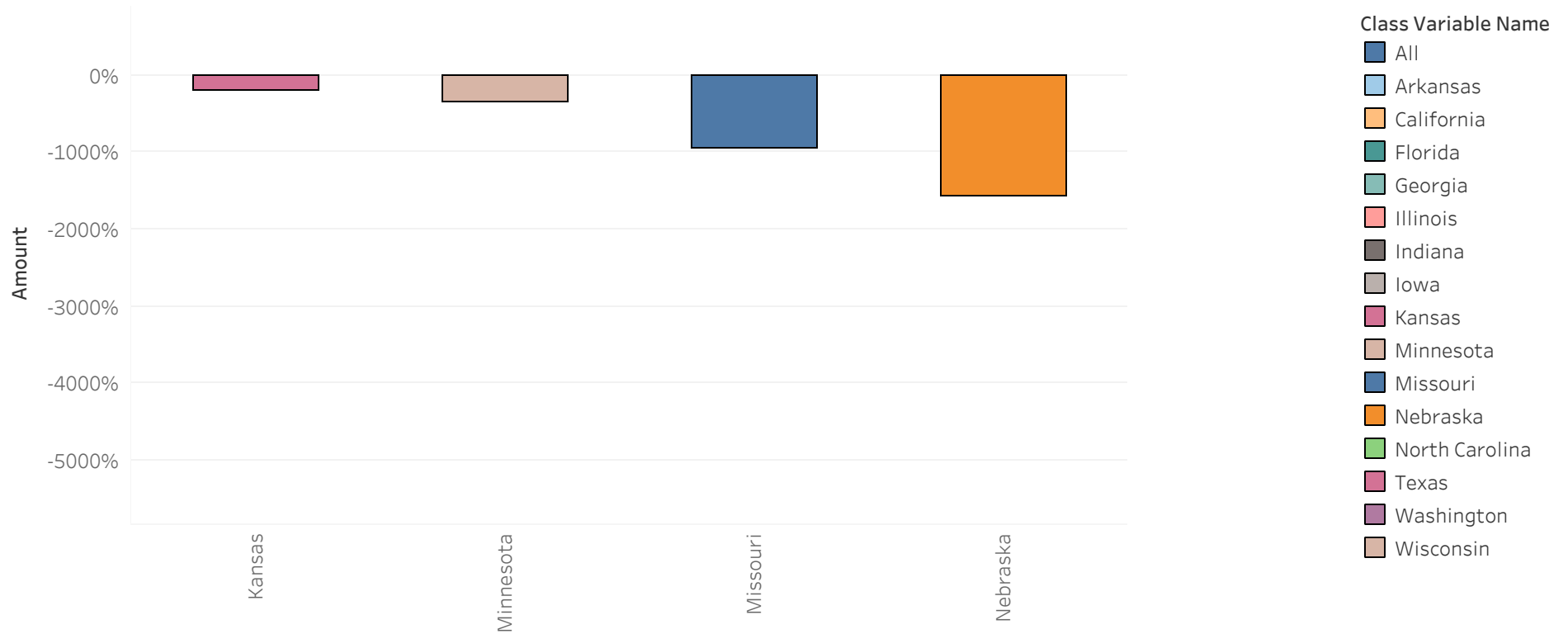
Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2015. The Class Category Name filter keeps States. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 16 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Total Rate of Return on Farm Equity.

2015 Average Total Rate of Return on Farm Equity of States



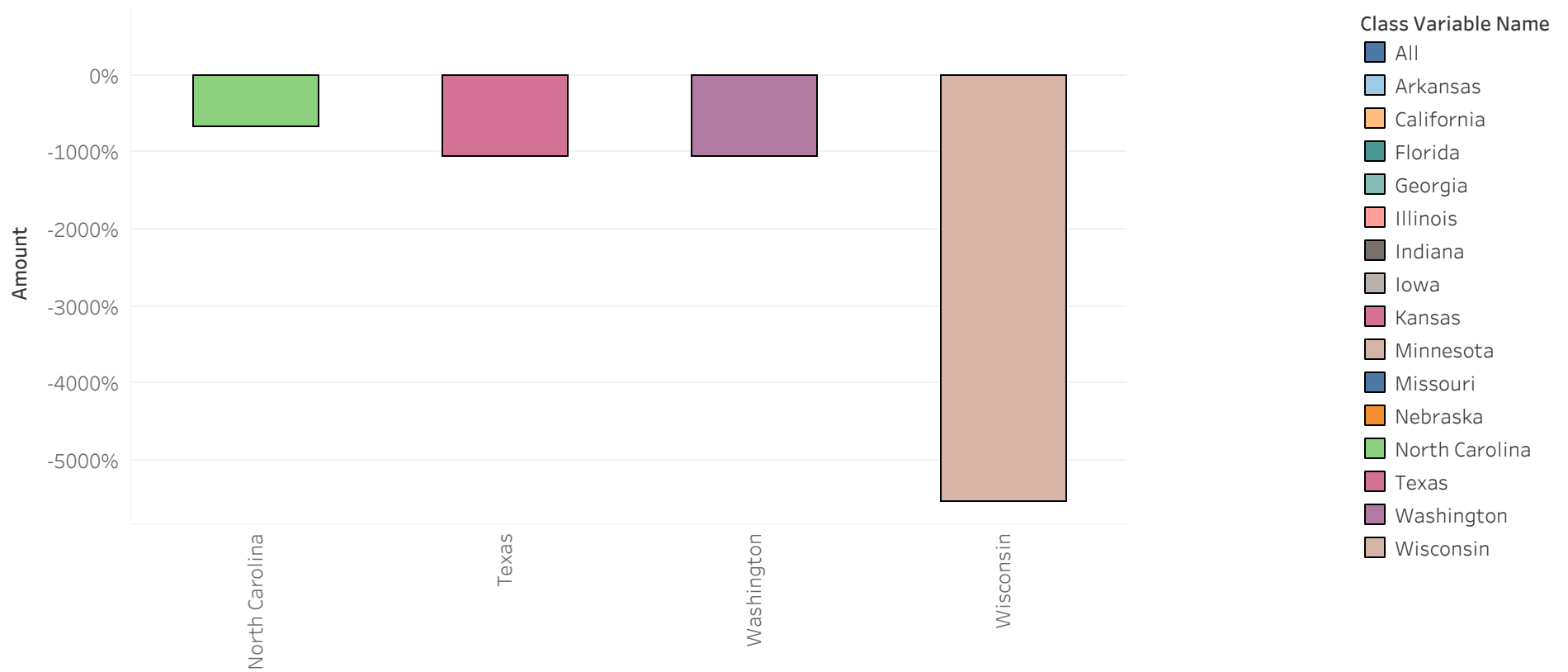
Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2015. The Class Category Name filter keeps States. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 16 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Total Rate of Return on Farm Equity.

2015 Average Total Rate of Return on Farm Equity of States



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2015. The Class Category Name filter keeps States. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 16 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Total Rate of Return on Farm Equity.

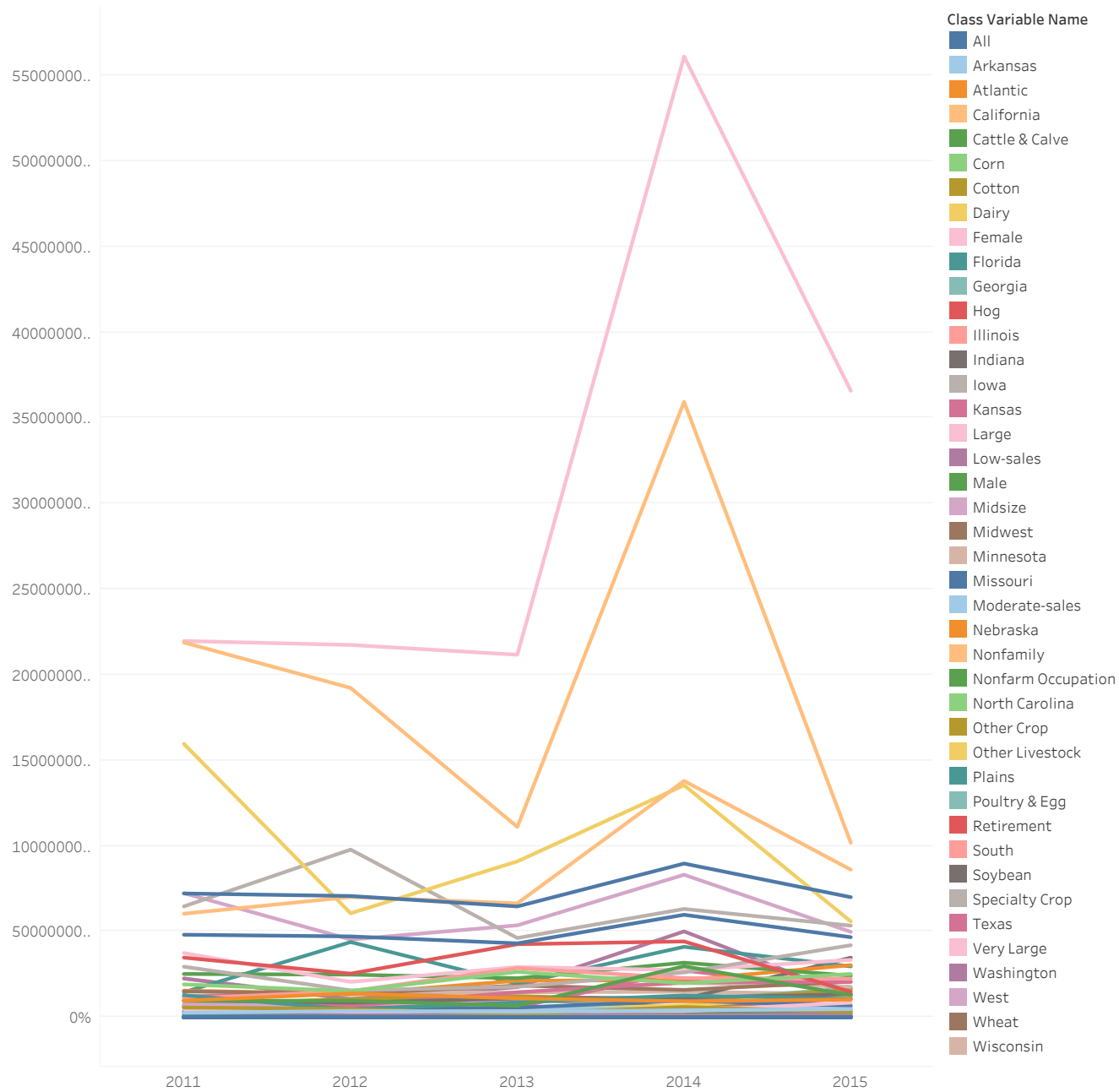
2015 Average Total Rate of Return on Farm Equity of States



Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2015. The Class Category Name filter keeps States. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 16 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Total Rate of Return on Farm Equity.



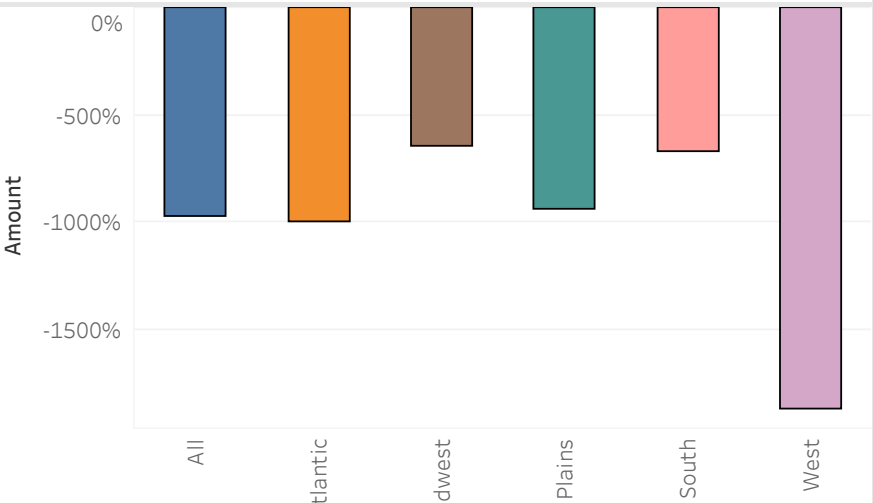
All All All by None



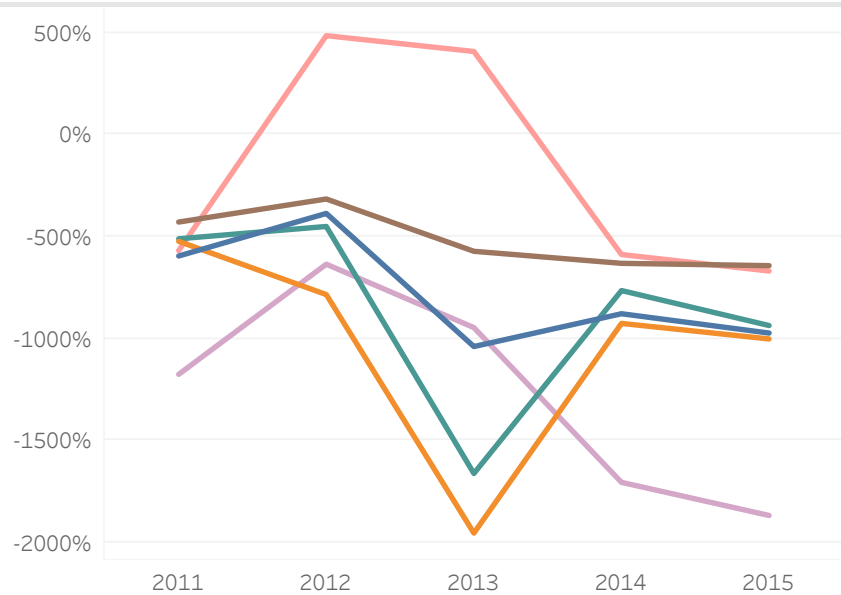
The trend of Amount for Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The view is filtered on sum of Amount and Year. The sum of Amount filter keeps all values. The Year filter keeps 2011, 2012, 2013, 2014 and 2015.

Need story

2015 Average Total Rate of Return on Farm Assets of Regions



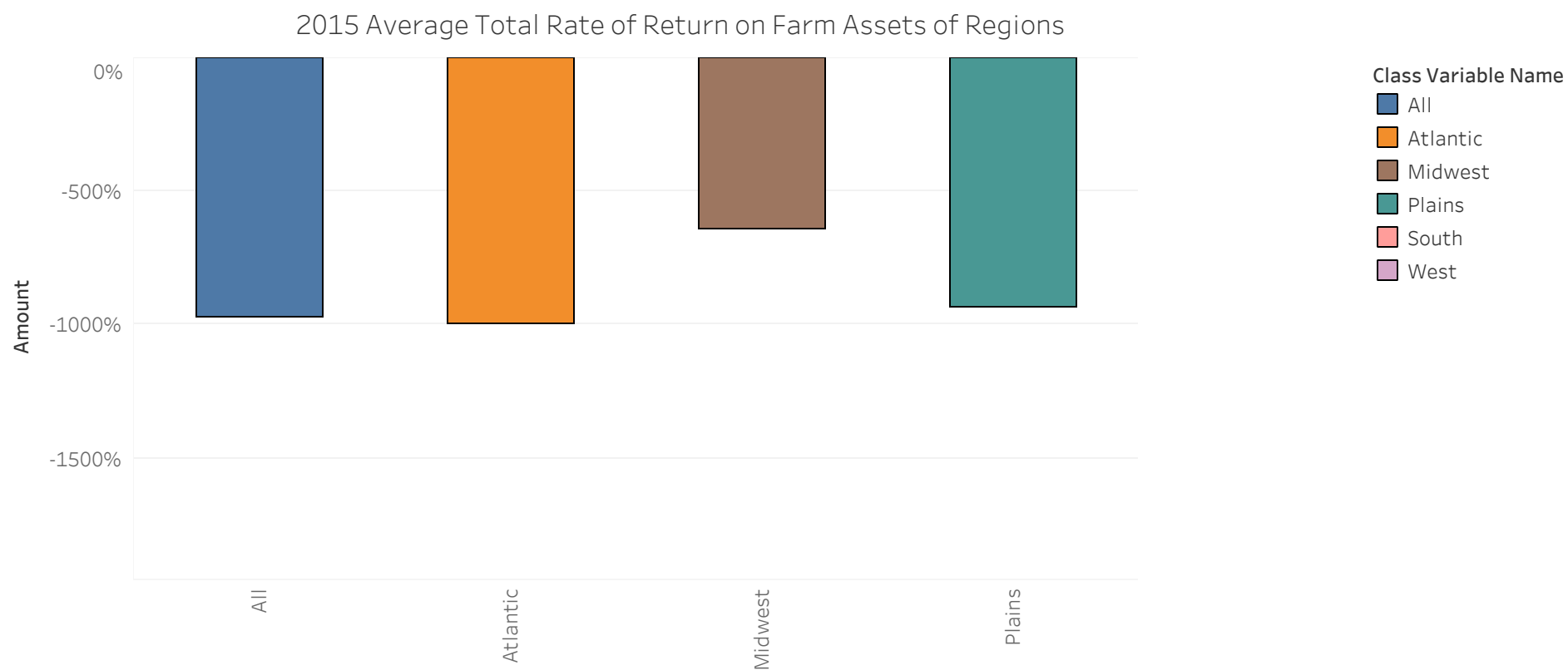
All Average Total Rate of Return on Farm Assets by Regions



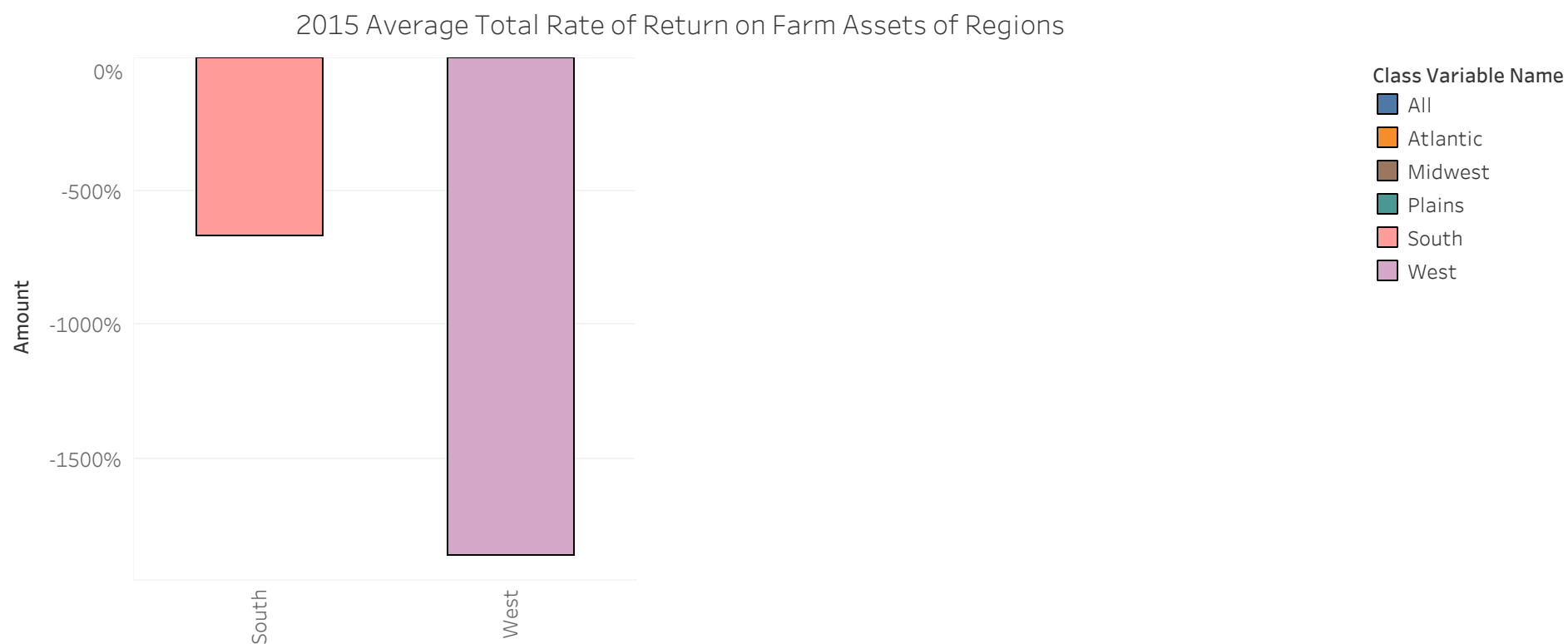
2015  
Year

Class Variable Name  
All Midwest South  
Atlantic Plains West

The working capital to gross revenues ratio measures the working capital relative to the size of the farm sector.

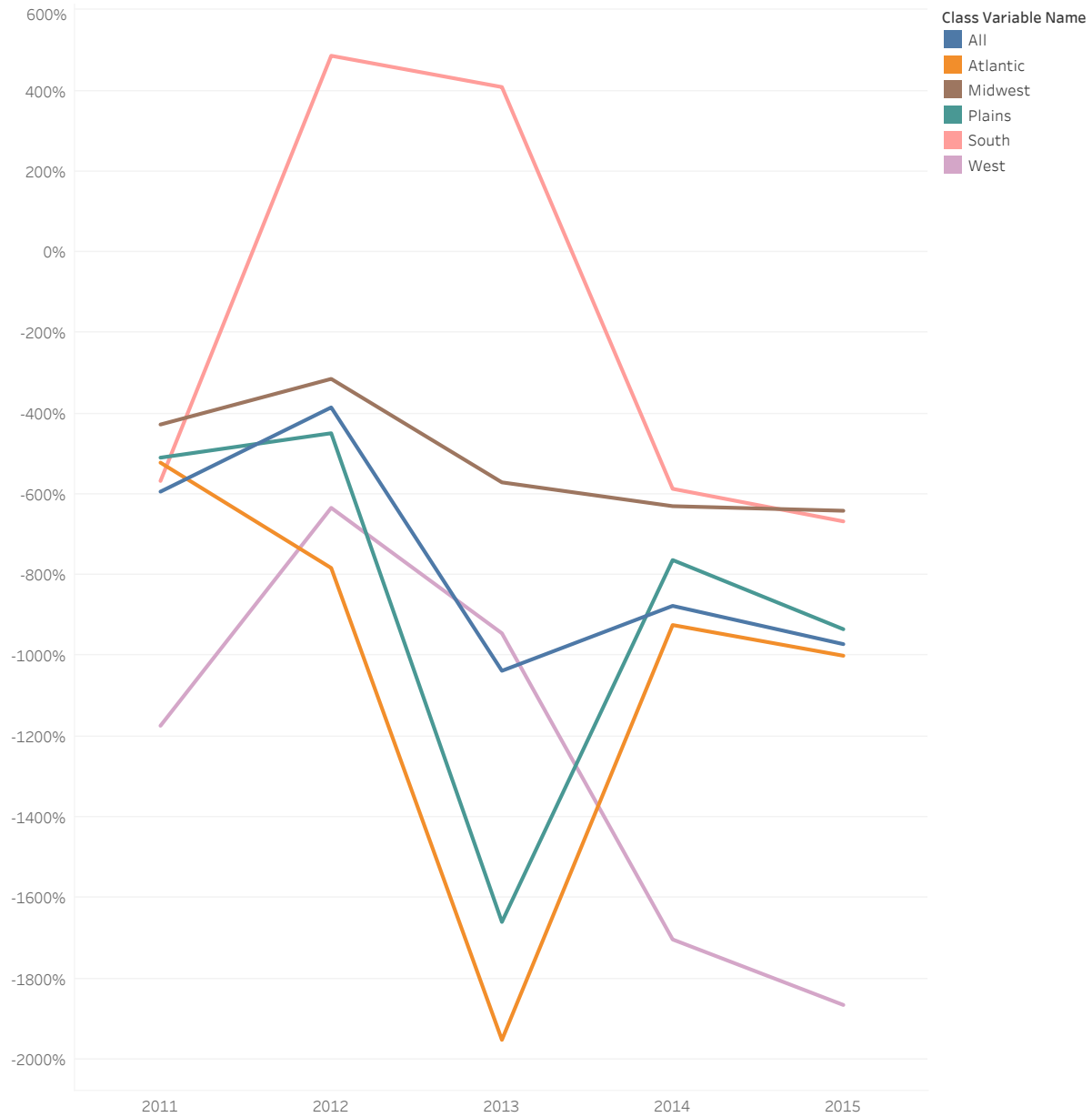


Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2015. The Class Category Name filter keeps Regions. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 6 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Total Rate of Return on Farm Assets.



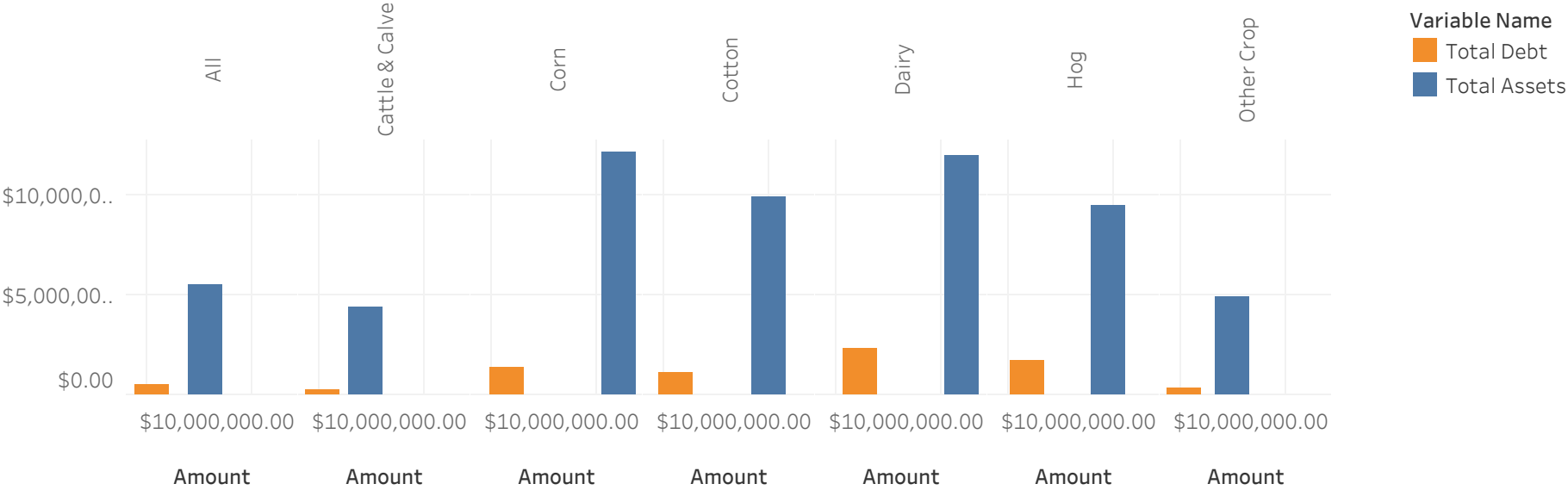
Amount for each Class Variable Name. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Year and Class Category Name. The Year filter keeps 2015. The Class Category Name filter keeps Regions. The view is filtered on Year as an attribute, Class Variable Name, Statistic Name and Variable Name. The Year as an attribute filter keeps all values. The Class Variable Name filter keeps 6 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Total Rate of Return on Farm Assets.

All Average Total Rate of Return on Farm Assets by Regions

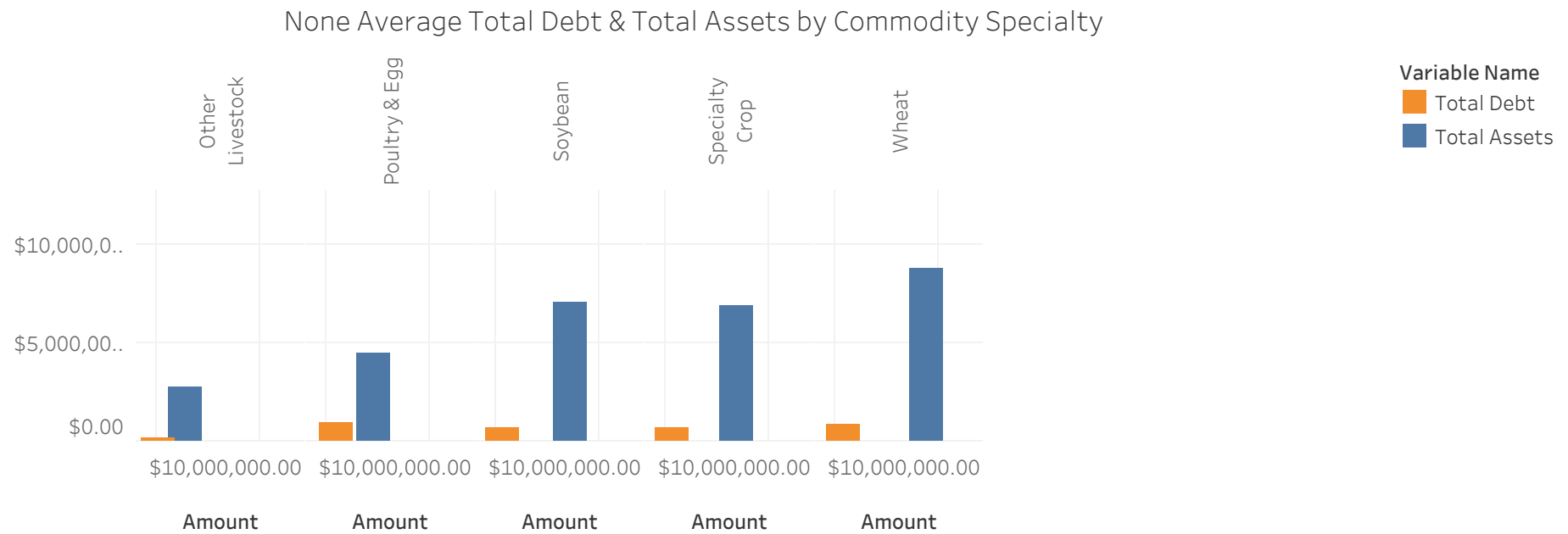


The trend of Amount for Year. Color shows details about Class Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Regions. The view is filtered on sum of Amount, Year, Class Variable Name, Statistic Name and Variable Name. The sum of Amount filter keeps all values. The Year filter keeps 2011, 2012, 2013, 2014 and 2015. The Class Variable Name filter keeps 6 of 42 members. The Statistic Name filter keeps Average. The Variable Name filter keeps Total Rate of Return on Farm Assets.

None Average Total Debt & Total Assets by Commodity Specialty

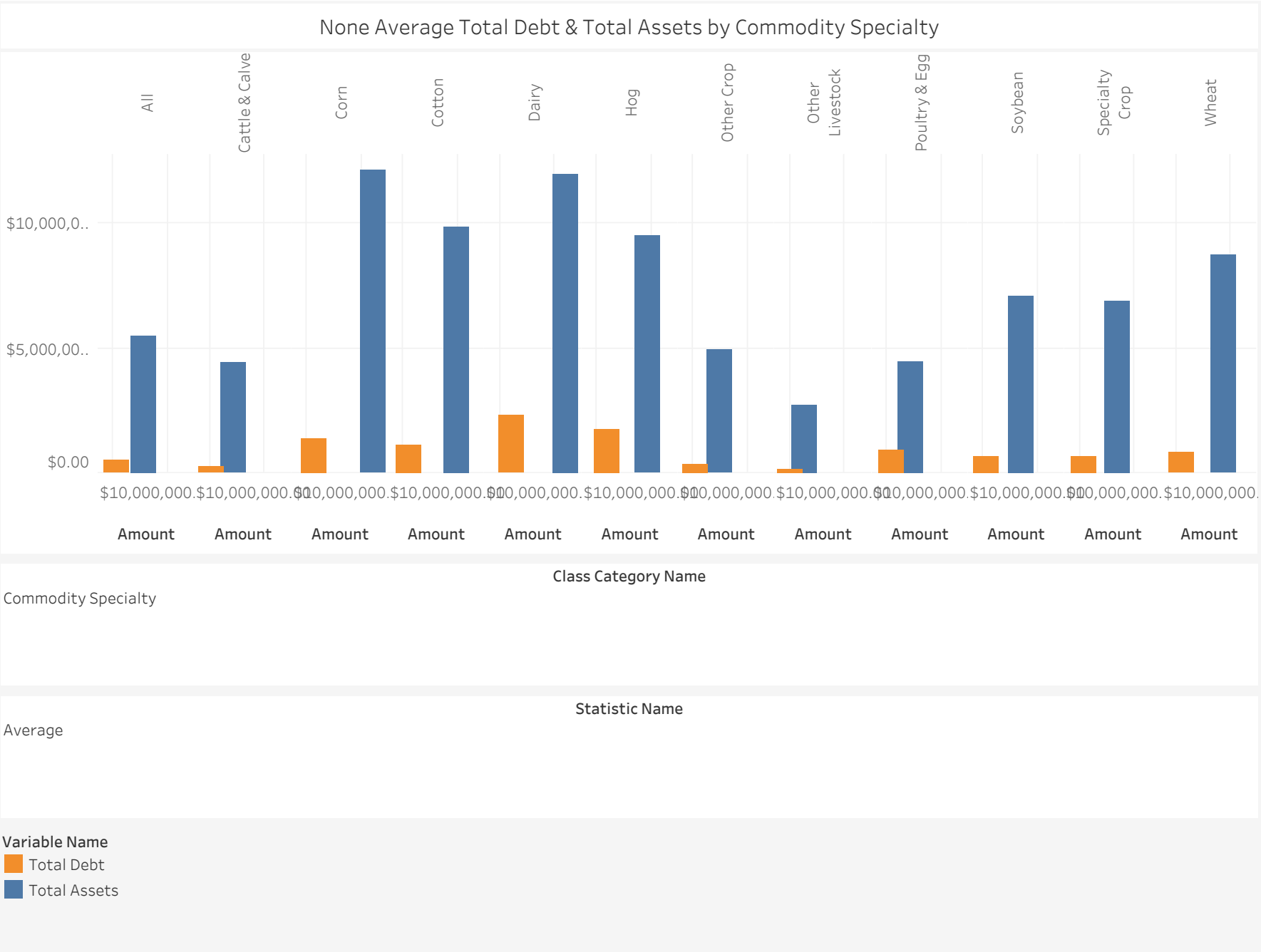


Amount vs. Amount broken down by Class Variable Name. Color shows details about Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Commodity Specialty. The view is filtered on sum of Amount, Statistic Name, Variable Name and Class Variable Name. The sum of Amount filter keeps all values. The Statistic Name filter keeps Average. The Variable Name filter keeps Total Assets and Total Debt. The Class Variable Name filter keeps 42 of 42 members.



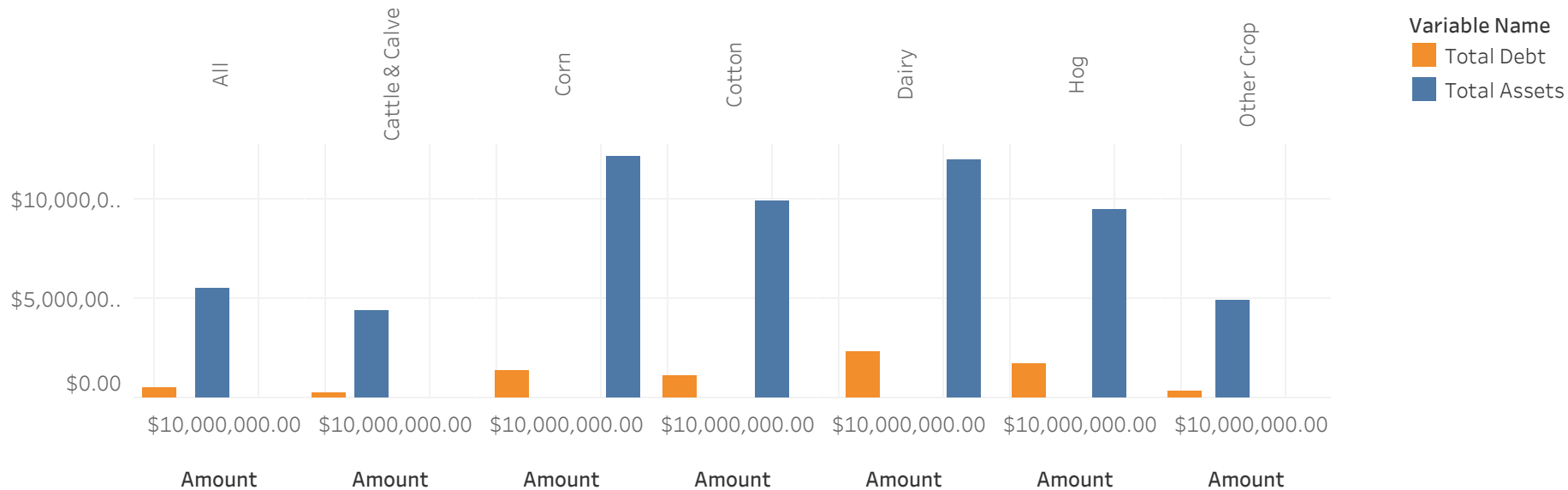
Amount vs. Amount broken down by Class Variable Name. Color shows details about Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Commodity Specialty. The view is filtered on sum of Amount, Statistic Name, Variable Name and Class Variable Name. The sum of Amount filter keeps all values. The Statistic Name filter keeps Average. The Variable Name filter keeps Total Assets and Total Debt. The Class Variable Name filter keeps 42 of 42 members.

# Total Debt and Asset Bar Chart

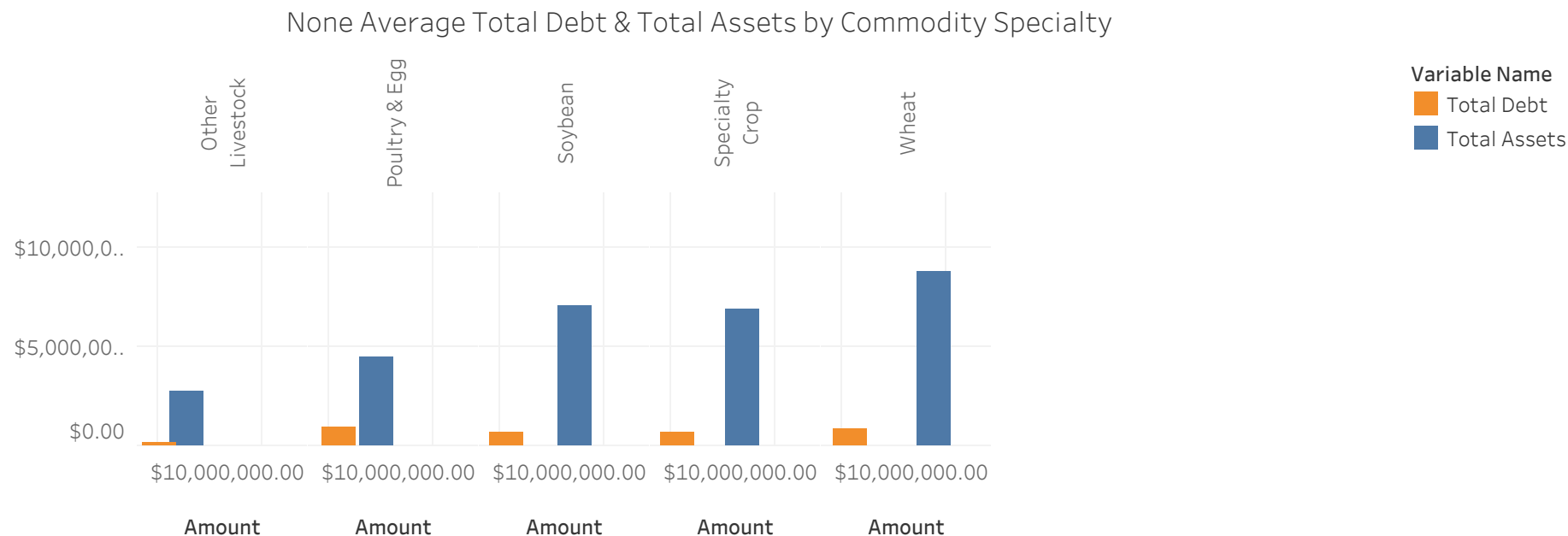




## None Average Total Debt & Total Assets by Commodity Specialty



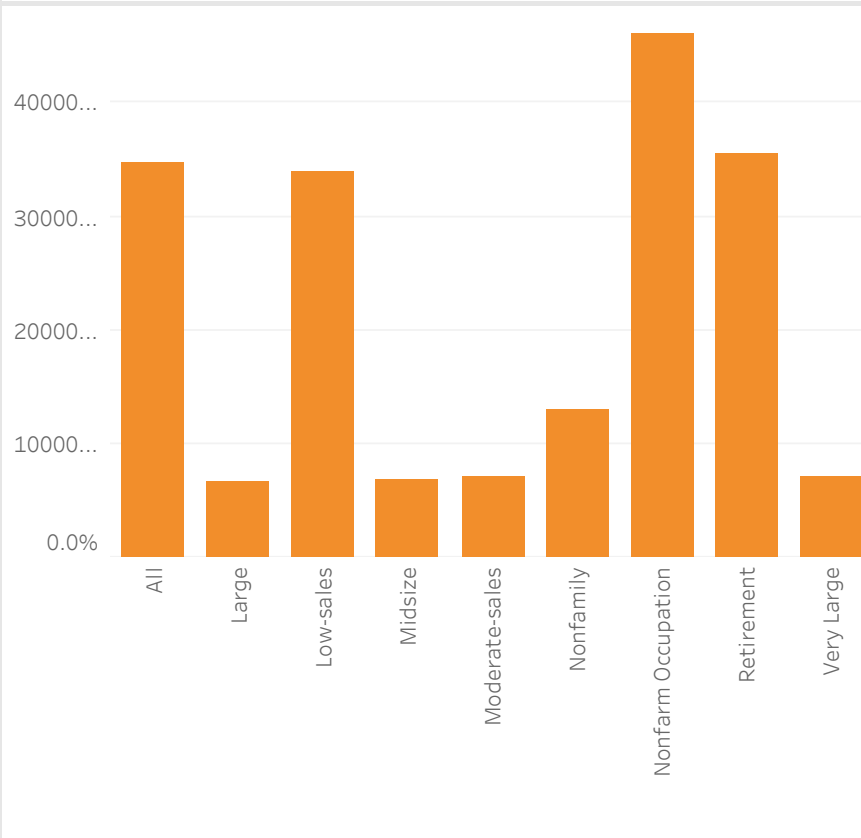
Amount vs. Amount broken down by Class Variable Name. Color shows details about Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Commodity Specialty. The view is filtered on sum of Amount, Statistic Name, Variable Name and Class Variable Name. The sum of Amount filter keeps all values. The Statistic Name filter keeps Average. The Variable Name filter keeps Total Assets and Total Debt. The Class Variable Name filter keeps 42 of 42 members.



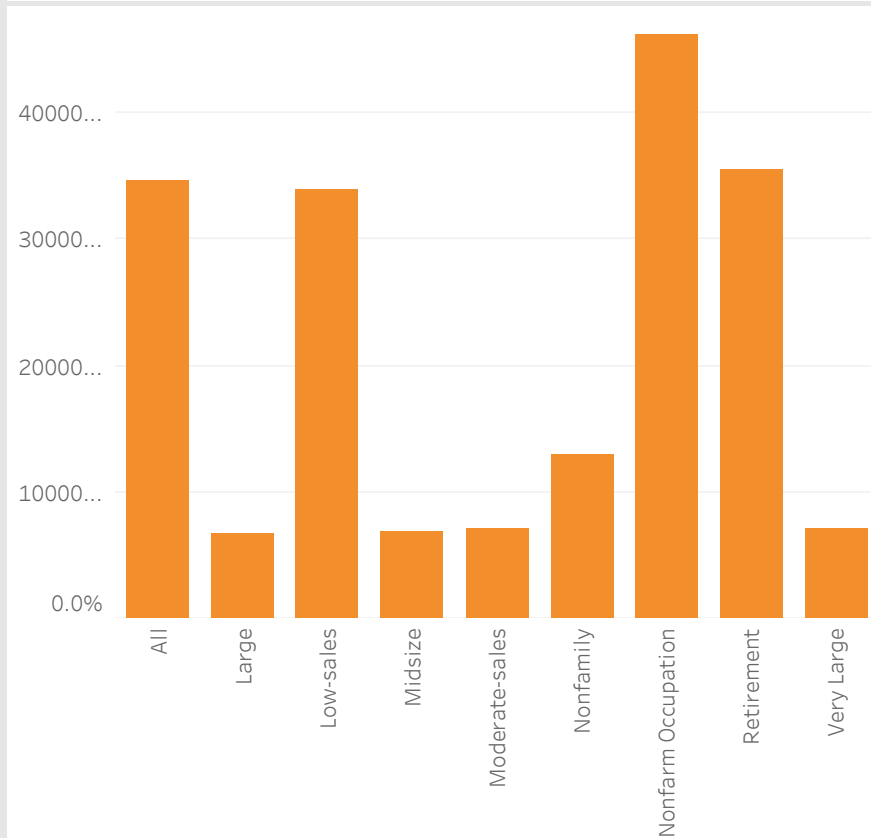
Amount vs. Amount broken down by Class Variable Name. Color shows details about Variable Name. Details are shown for various dimensions. The data is filtered on Class Category Name, which keeps Commodity Specialty. The view is filtered on sum of Amount, Statistic Name, Variable Name and Class Variable Name. The sum of Amount filter keeps all values. The Statistic Name filter keeps Average. The Variable Name filter keeps Total Assets and Total Debt. The Class Variable Name filter keeps 42 of 42 members.

# Comparing Different Ratio Combinations by Class Catagories

2014 Average Operating Expense Ratio by Farm Typology



2014 Average Operating Expense Ratio by Farm Typology



Class Category Name  
Farm Typology

Variable Name  
Operating Expense Ratio

Statistic Name  
Average

Class Category Name  
Farm Typology

Variable Name  
Operating Expense Ratio

Statistic Name  
Average

Year  
2014

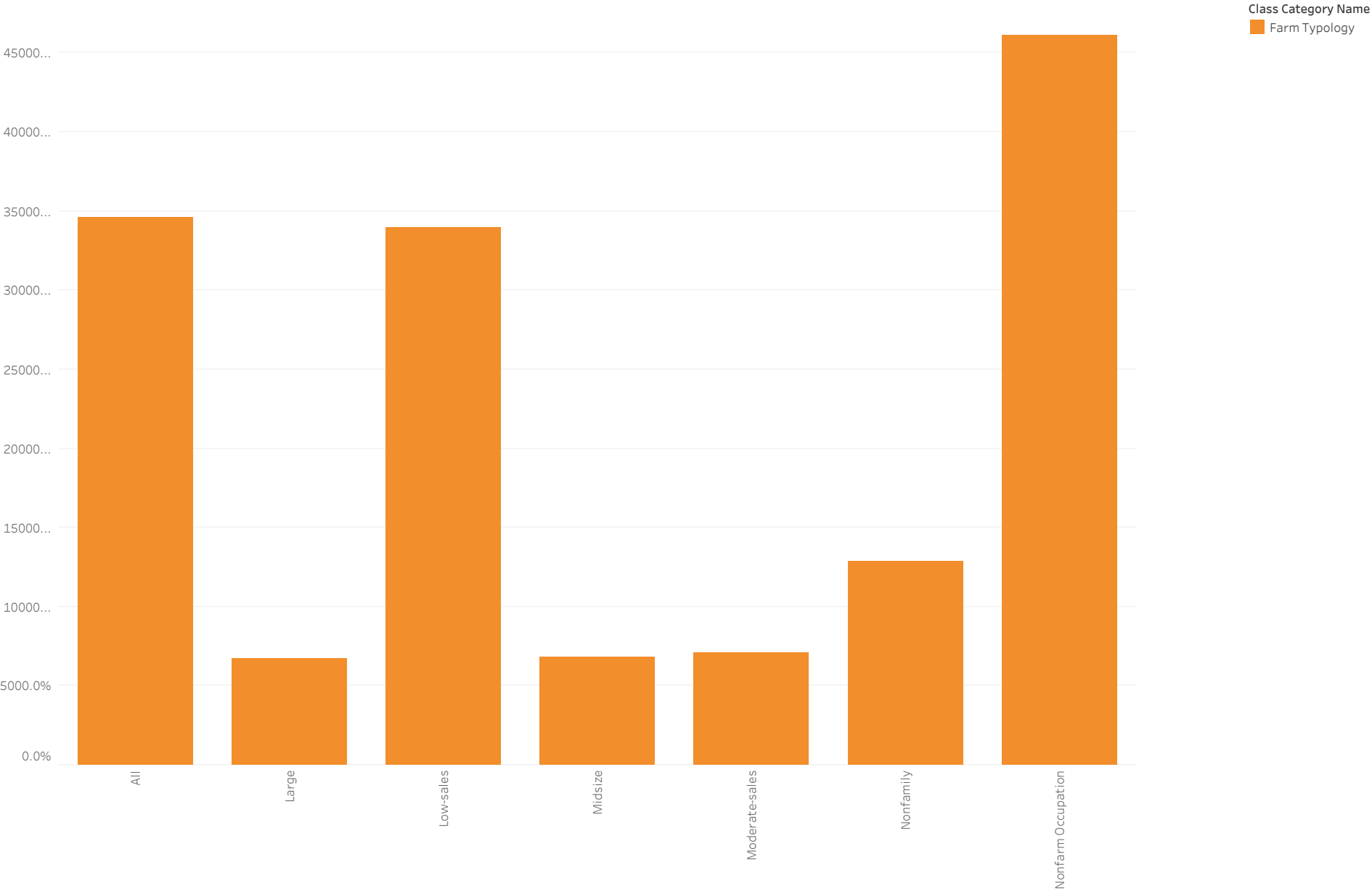
Class Category Name  
Farm Typology

Created by: The Farm Income Team

Source: 2011-2015 Agricultural Resource Management Survey (ARMS), Economic Research Service, USDA and National Agricultural Statistics Service, USDA.

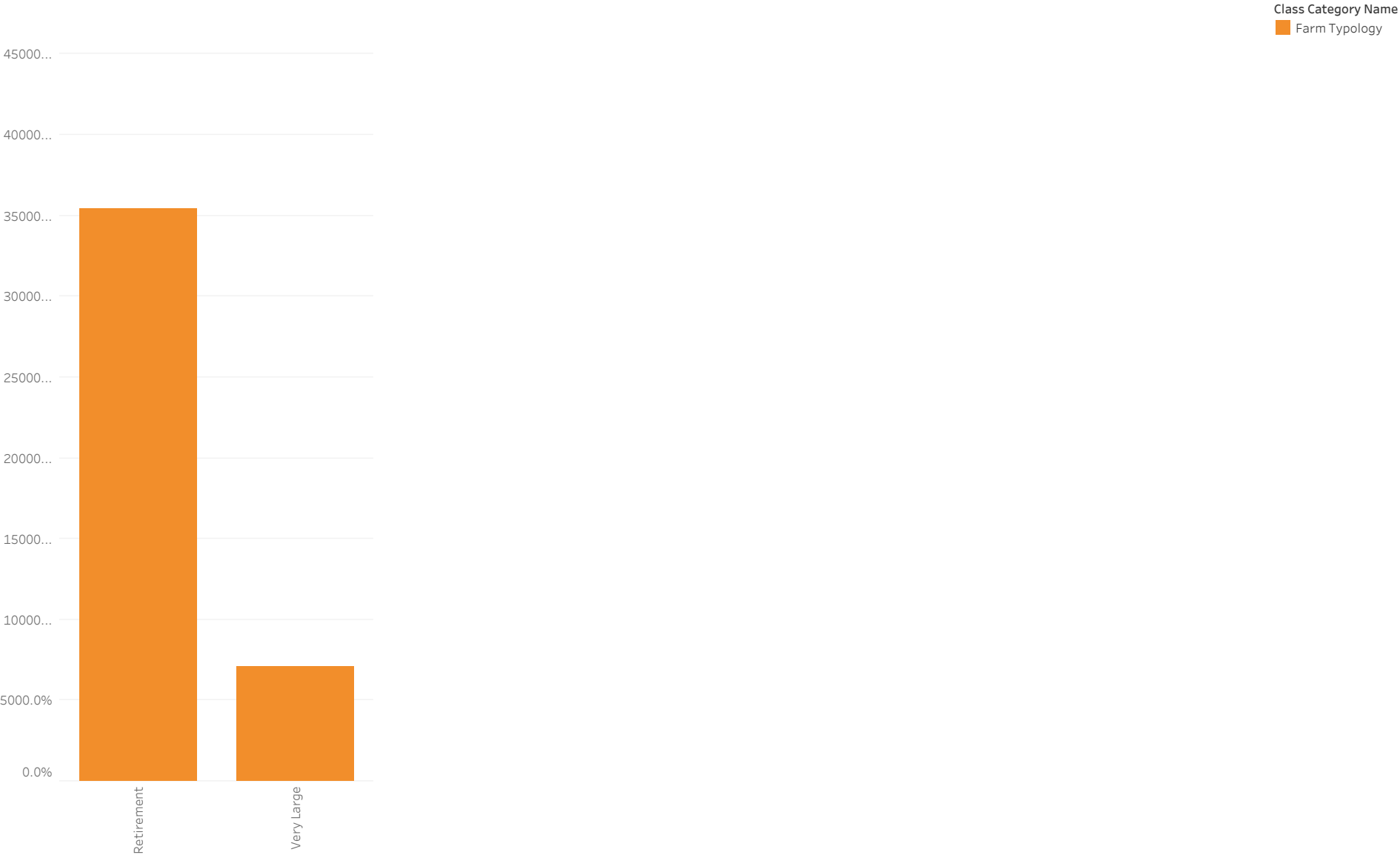
For more information on farm households, see: <https://www.ers.usda.gov/topics/farm-economy/farm-household-well-being/>

2014 Average Operating Expense Ratio by Farm Typology



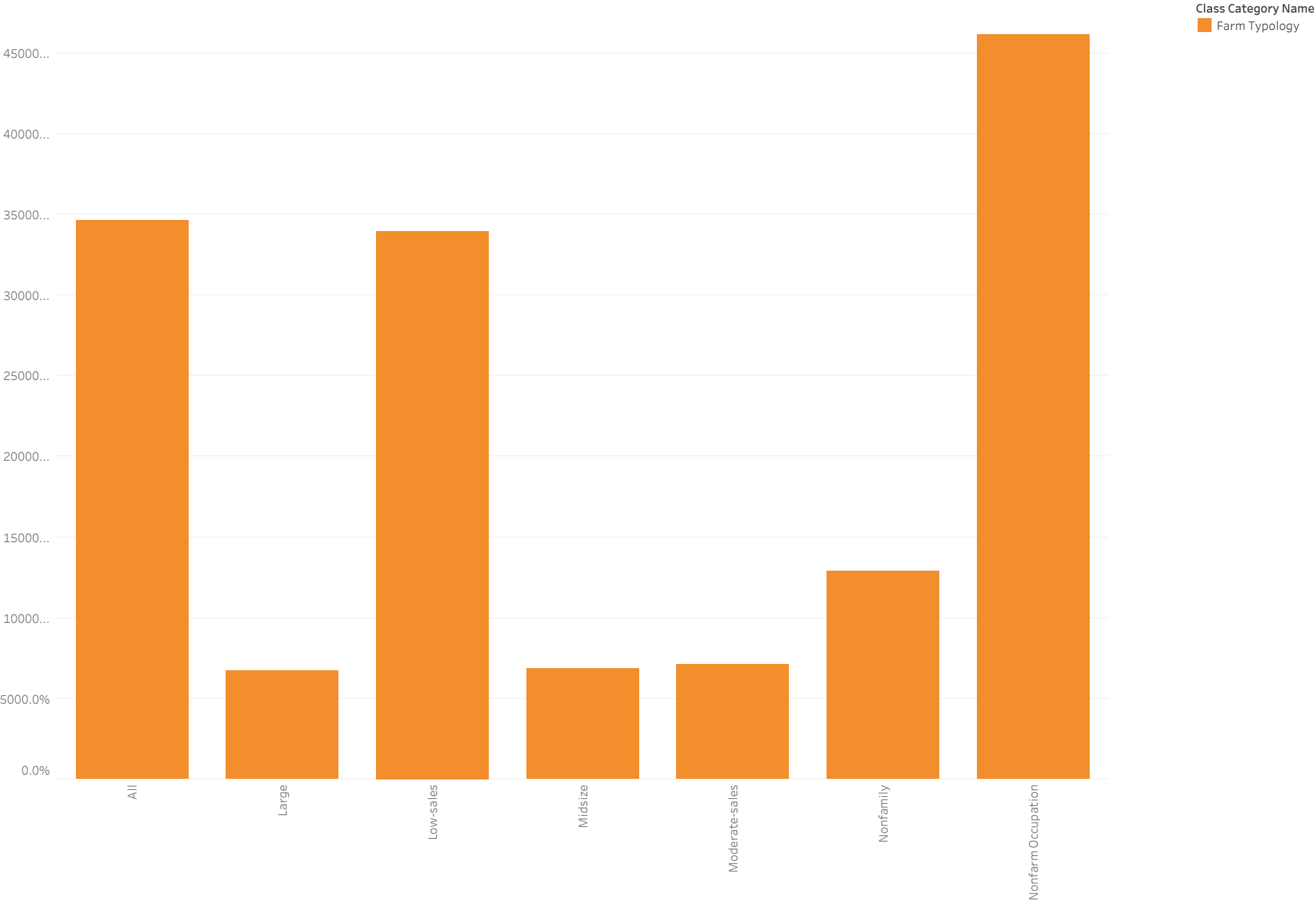
Amount for each Class Variable Name broken down by Class Category Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2014. The view is filtered on Variable Name, sum of Amount, Statistic Name, Class Category Name, Class Variable Name and Year as an attribute. The Variable Name filter keeps Operating Expense Ratio. The sum of Amount filter keeps all values. The Statistic Name filter keeps Average. The Class Category Name filter keeps Farm Typology. The Class Variable Name filter keeps 42 of 42 members. The Year as an attribute filter keeps all values.

2014 Average Operating Expense Ratio by Farm Typology



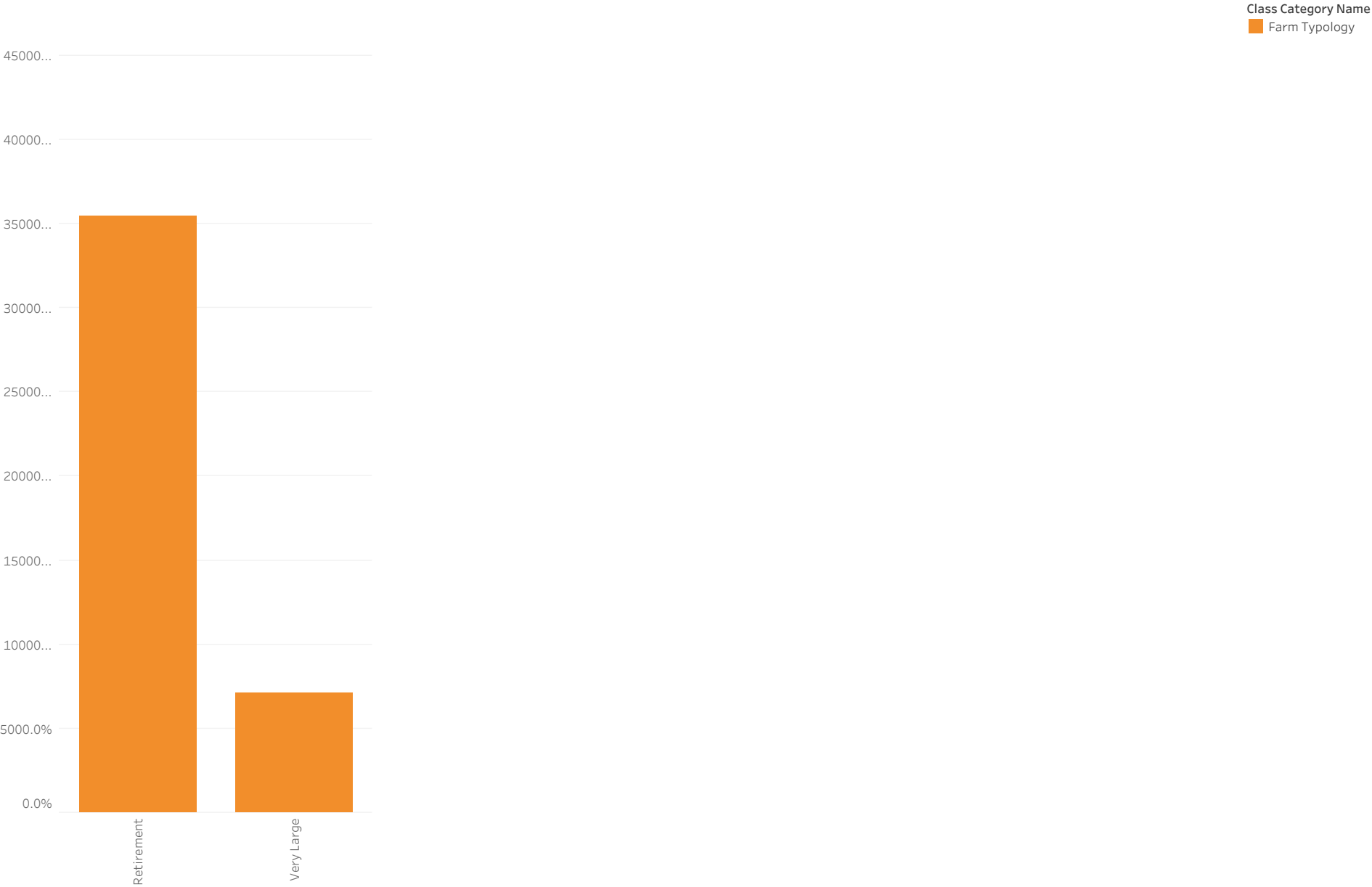
Amount for each Class Variable Name broken down by Class Category Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2014. The view is filtered on Variable Name, sum of Amount, Statistic Name, Class Category Name, Class Variable Name and Year as an attribute. The Variable Name filter keeps Operating Expense Ratio. The sum of Amount filter keeps all values. The Statistic Name filter keeps Average. The Class Category Name filter keeps Farm Typology. The Class Variable Name filter keeps 42 of 42 members. The Year as an attribute filter keeps all values.

2014 Average Operating Expense Ratio by Farm Typology



Amount for each Class Variable Name broken down by Class Category Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2014. The view is filtered on Variable Name, sum of Amount, Statistic Name, Class Category Name and Class Variable Name. The Variable Name filter keeps Operating Expense Ratio. The sum of Amount filter keeps all values. The Statistic Name filter keeps Average. The Class Category Name filter keeps Farm Typology. The Class Variable Name filter keeps 42 of 42 members.

2014 Average Operating Expense Ratio by Farm Typology



Amount for each Class Variable Name broken down by Class Category Name. Color shows details about Class Category Name. Details are shown for various dimensions. The data is filtered on Year, which keeps 2014. The view is filtered on Variable Name, sum of Amount, Statistic Name, Class Category Name and Class Variable Name. The Variable Name filter keeps Operating Expense Ratio. The sum of Amount filter keeps all values. The Statistic Name filter keeps Average. The Class Category Name filter keeps Farm Typology. The Class Variable Name filter keeps 42 of 42 members.

Variable Name  
Total Debt

Class Category Name  
Commodity Specialty

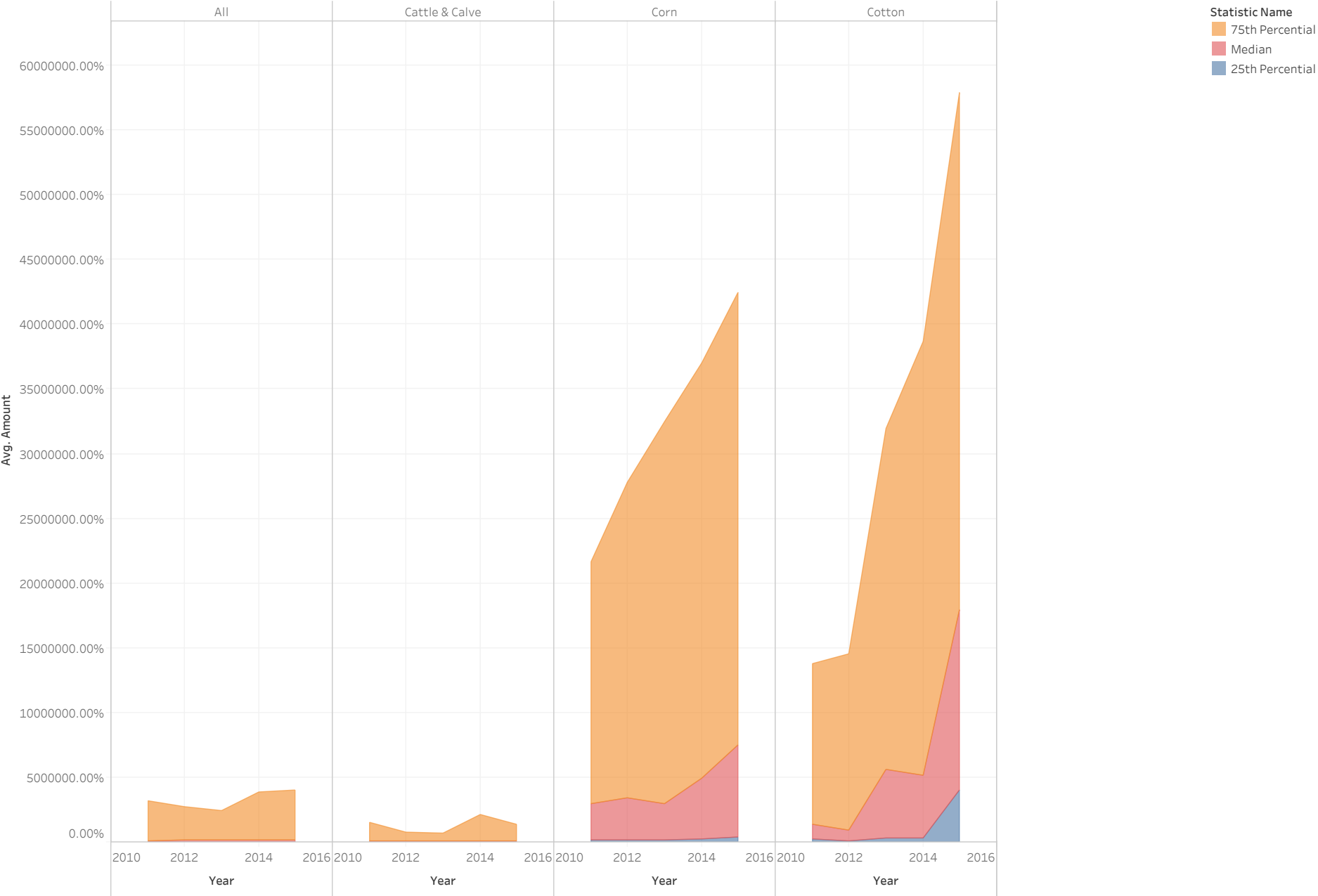
Statistic Name  
75th Percential  
Median  
25th Percential

Snapshot of Solvency and Liquidity Ratios



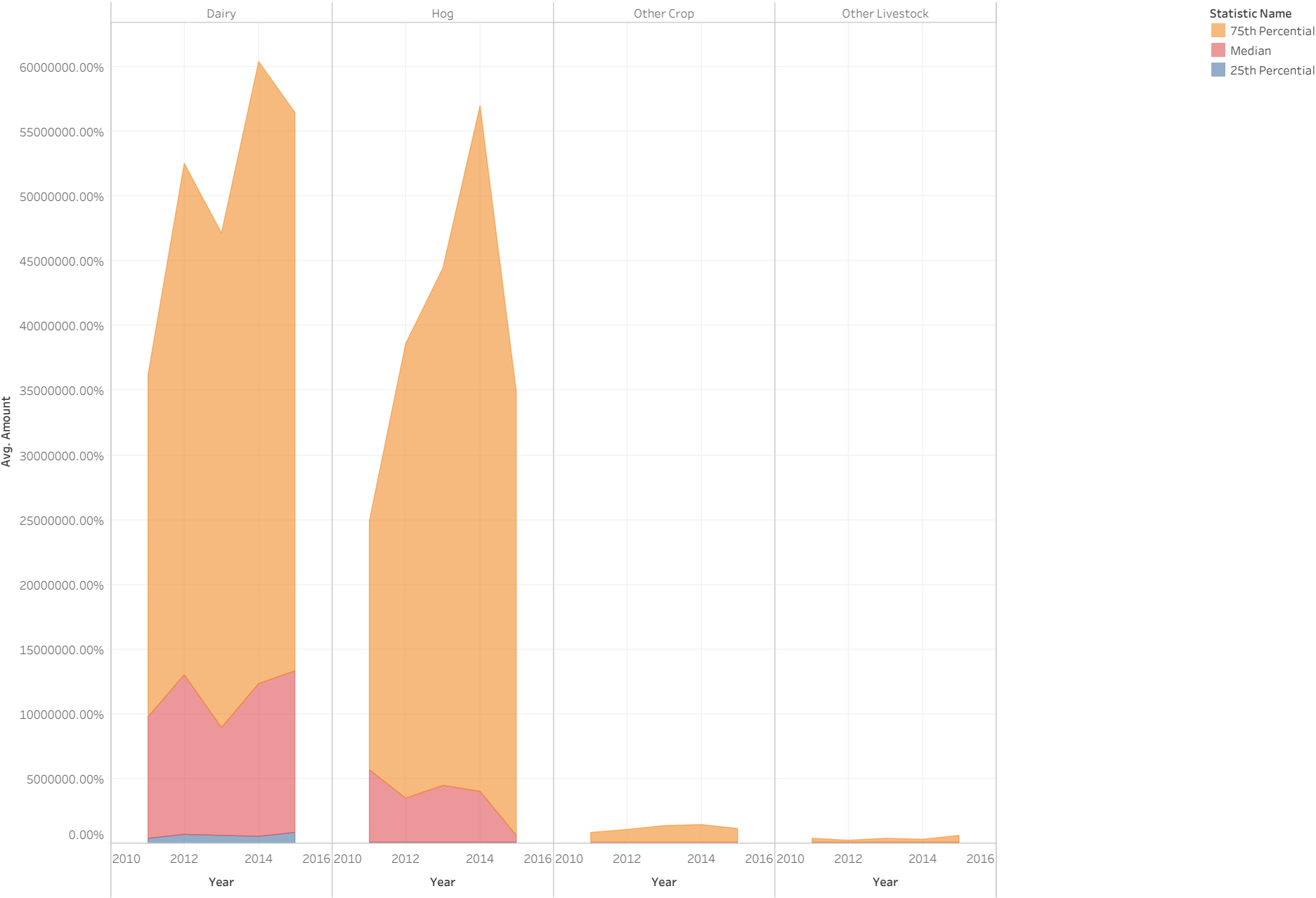


Snapshot of Solvency and Liquidity Ratios



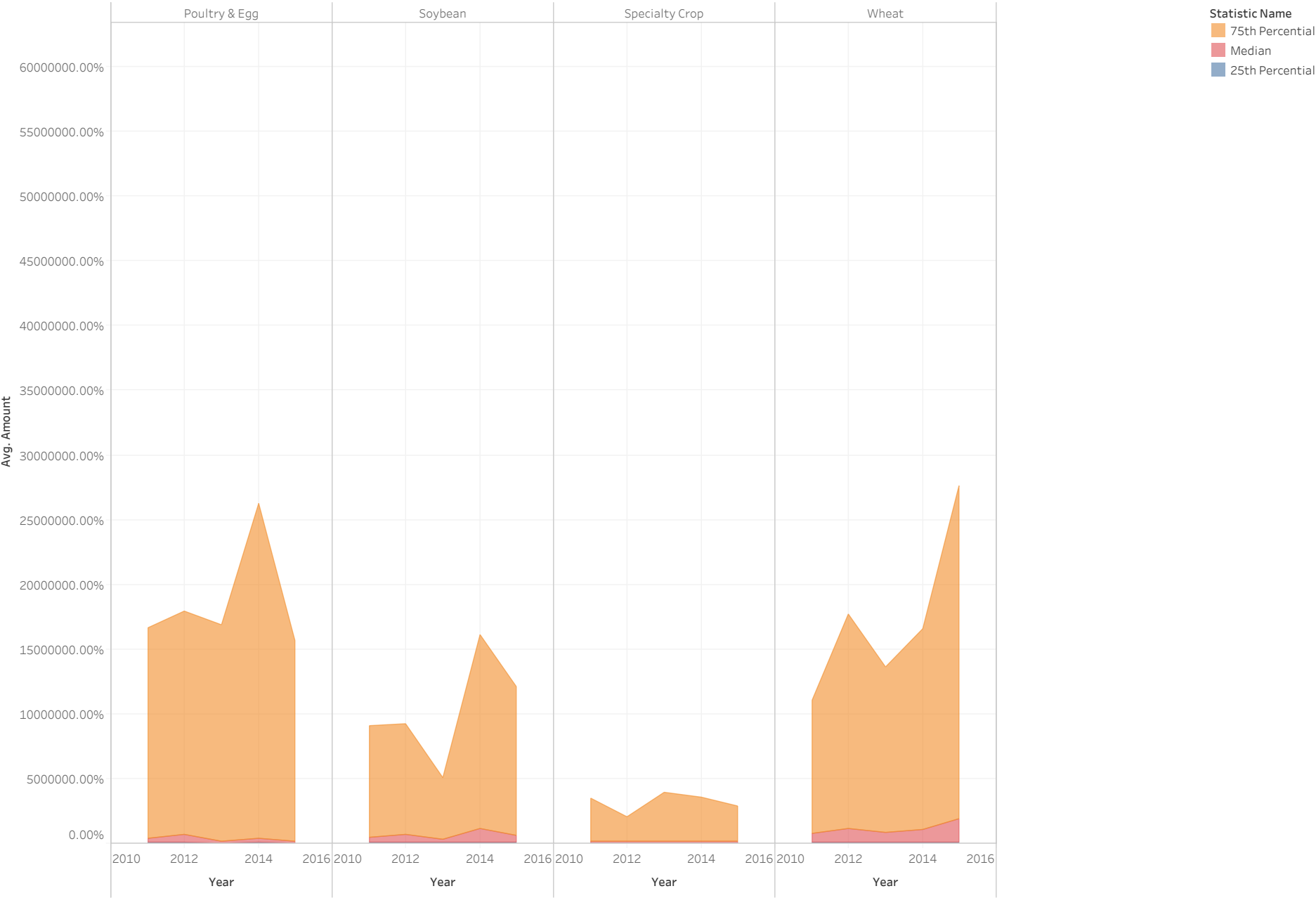
The plot of average of Amount for Year broken down by Class Variable Name. Color shows details about Statistic Name. Details are shown for various dimensions. The data is filtered on Class Category Name, Year (copy) Year and Year (copy) Year. The Class Category Name filter keeps Commodity Specialty. The Year (copy) Year filter keeps all values. The Year (copy) Year filter keeps multiple members. The view is filtered on Statistic Name, Variable Name and Class Variable Name. The Statistic Name filter keeps 25th Percental, 75th Percental and Median. The Variable Name filter keeps Total Debt. The Class Variable Name filter keeps 42 of 42 members.

Snapshot of Solvency and Liquidity Ratios



The plot of average of Amount for Year broken down by Class Variable Name. Color shows details about Statistic Name. Details are shown for various dimensions. The data is filtered on Class Category Name, Year (copy) Year and Year (copy) Year. The Class Category Name filter keeps Commodity Specialty. The Year (copy) Year filter keeps all values. The Year (copy) Year filter keeps multiple members. The view is filtered on Statistic Name, Variable Name and Class Variable Name. The Statistic Name filter keeps 25th Percentil, 75th Percentil and Median. The Variable Name filter keeps Total Debt. The Class Variable Name filter keeps 42 of 42 members.

Snapshot of Solvency and Liquidity Ratios



The plot of average of Amount for Year broken down by Class Variable Name. Color shows details about Statistic Name. Details are shown for various dimensions. The data is filtered on Class Category Name, Year (copy) Year and Year (copy) Year. The Class Category Name filter keeps Commodity Specialty. The Year (copy) Year filter keeps all values. The Year (copy) Year filter keeps multiple members. The view is filtered on Statistic Name, Variable Name and Class Variable Name. The Statistic Name filter keeps 25th Percential, 75th Percential and Median. The Variable Name filter keeps Total Debt. The Class Variable Name filter keeps 42 of 42 members.