

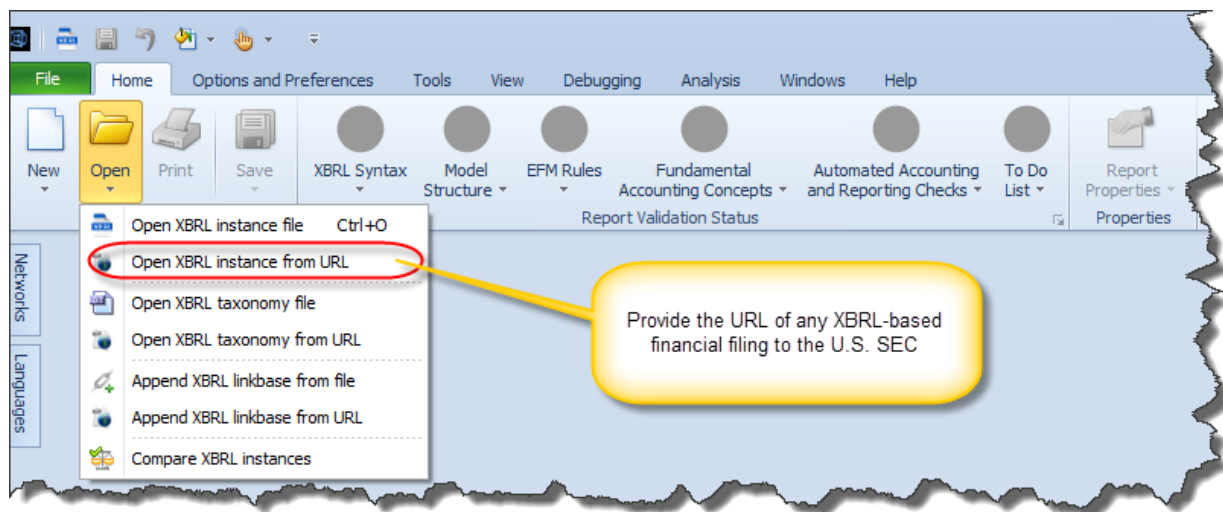
Report Model Structure and Fundamental Accounting Concept Relations Validation using Pesseract

By Charles Hoffman, CPA

This walks you through validation of the fundamental accounting concept relations using the Pesseract digital financial reporting tool in the Viewer/Validation mode. This demonstration uses an XBRL-based public company financial filing which was submitted to the U.S. SEC. Local files and IFRS filings can be validated in the same manner.

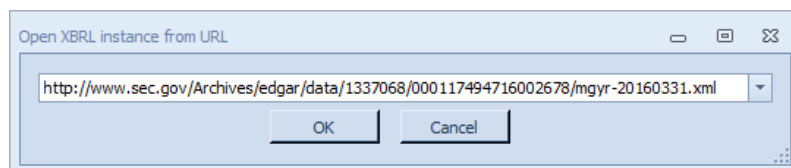
STEP 1: Load the XBRL-based public company financial filing (any 10-K or 10-Q).

Open the Pesseract application, select “Open”, and then “Open XBRL instance from URL”.



In the dialog box that appears, enter the URL of the XBRL-based public company financial filing which was submitted to the SEC. For this demonstration, we will be using this XBRL-based financial filing which was made to the U.S. SEC:

<http://www.sec.gov/Archives/edgar/data/1337068/000117494716002678/mgyr-20160331.xml>



Press the OK button, then the XBRL-based document will be loaded into the application.

NOTE: You can open a local version of an XBRL-based financial filing using the “Open XBRL instance file” option.

STEP 2: Run report model structure validation.

Notice that the document has been loaded into the application. Notice the following things about the user interface:

1. The “**Report Profile**” has been detected to be an “XBRL-based public company financial reports in US GAAP to the SEC”.
2. The “Report Validation Status” icons are all GRAY which indicates that no validation has been performed at this point.

The screenshot shows the Pesseract application interface. The top menu bar includes File, Home, Business Rules, Options and Preferences, Tools, View, Debugging, Analysis, Windows, and Help. Below the menu bar is a toolbar with icons for New, Open, Print, Save, and Report Validation Status. The Report Validation Status group contains icons for XBRL Syntax, Model Structure, EFM Rules, Fundamental Accounting Concepts, To Do List, Report Properties, and Properties. The Report Profile section displays the detected profile: "XBRL-based public company financial reports in US GAAP to the SEC".

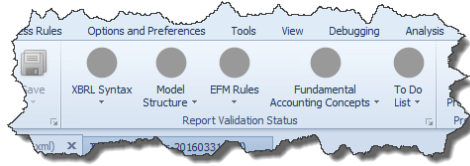
The main window is divided into several panes. The left pane shows a list of components, including Network and Table. The middle pane shows a table of components with columns for Component, Network, and Table. The right pane shows the Report Profile section, which includes a table of properties and values.

Two yellow callout boxes highlight specific details:

- Note that all "Report Validation Status" icons are gray.** This points to the icons in the Report Validation Status group.
- Note that the "Report Profile" has been set.** This points to the Report Profile section.

The bottom status bar indicates: "Loading was successful: please see messages as there are errors/warnings."

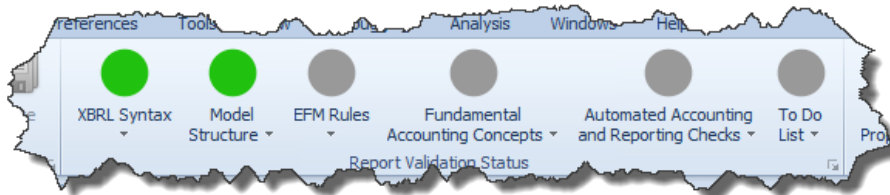
Now, press the “Model Structure” icon from the Report Validation Status group, then select the “Run Validation” option.



Notice that the “Model Structure Validation Results” form is shown which shows an analysis of the relations between the categories of report elements that make up the structure of the report as shown below:

Model Structure Validation Result							
Child	Parent						
	Network	Table	Axis	Member	LineItems	Abstract	Concept
Network	0	0	0	0	0	0	0
Table	0	0	0	0	0	0	0
Axis	0	29	0	0	0	0	0
Member	0	0	35	110	0	0	0
LineItems	0	56	0	0	0	0	0
Abstract	0	0	0	0	46	30	0
Concept	0	0	0	0	75	305	0

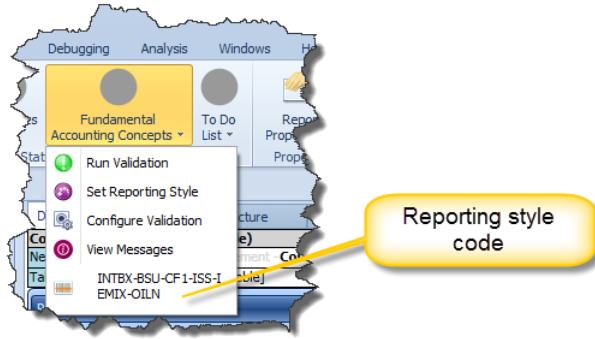
Further, the “Model Structure” Report Validation Status turns GREEN:



You can close the “Model Structure Validation Results” form.

STEP 3: Run the fundamental accounting concept relations validation.

Next, we will run the fundamental accounting concept validation (FAC). The first step in this process is to make sure the filing has the correct reporting style code assigned. For this specific filing, the reporting style code should have automatically been set to “INTBX-BSU-CF1-ISS-IEMIX-OILN”. Press on the “Fundamental Accounting Concepts” icon to check this:



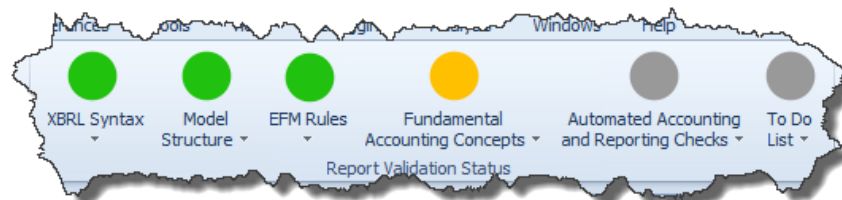
NOTE: This code should be set. However, if it is not set; go to the “Set Reporting Style” menu item and select that style from the list and set the reporting style code to “INTBX-BSU-CF-1-ISS-IEMIX-OILN”.

Then select the “Run validation” from the Fundamental Accounting Concepts icon to execute the validation. The following messages appear:

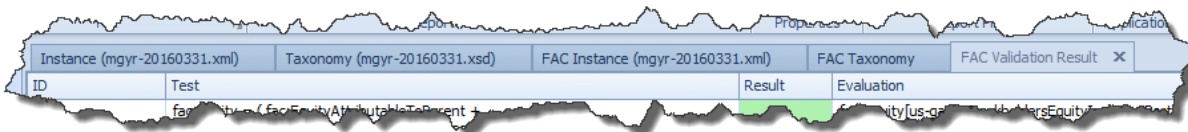
ID	Test	Result	Evaluation
FAC_CONSISTENCY_1	$\text{fac.Equity} = (\text{fac.EquityAttributableToParent} + \text{fac.EquityAttributableToNoncontrollingInterest})$	✓	$\text{fac.Equity}[\text{us-gaap:StockholderEquityIncludingPortionAttributableToNoncontrollingInterest}; 47,203,000] = (\text{fac.EquityAttributableToParent}[47,203,000] + \text{fac.EquityAttributableToNoncontrollingInterest}[0])$
FAC_CONSISTENCY_10	$\text{fac.NetCashFlowFromInvestingActivities} = (\text{fac.NetCashFlowFromInvestingActivitiesContinuing} + \text{fac.NetCashFlowFromInvestingActivitiesDiscontinued})$	✓	$\text{fac.NetCashFlowFromInvestingActivities}[(12,554,000)] = (\text{fac.NetCashFlowFromInvestingActivitiesContinuing}[\text{us-gaap:NetCashProvidedByUsedInInvestingActivitiesContinuingOperations}[(12,554,000)]] + \text{fac.NetCashFlowFromInvestingActivitiesDiscontinued}[0])$
FAC_CONSISTENCY_11	$\text{fac.NetCashFlowFromFinancingActivities} = (\text{fac.NetCashFlowFromFinancingActivitiesContinuing} + \text{fac.NetCashFlowFromFinancingActivitiesDiscontinued})$	✓	$\text{fac.NetCashFlowFromFinancingActivities}[(11,150,000)] = (\text{fac.NetCashFlowFromFinancingActivitiesContinuing}[\text{us-gaap:NetCashProvidedByUsedInFinancingActivitiesContinuingOperations}[(11,150,000)]] + \text{fac.NetCashFlowFromFinancingActivitiesDiscontinued}[0])$
FAC_CONSISTENCY_16	$\text{fac.IncomeLossFromContinuingOperationsAfterTax} = (\text{fac.IncomeLossFromContinuingOperationsBeforeIncomeTaxesAndExtraordinaryItemsAndDiscontinuedOperations} - \text{fac.IncomeTaxExpenseBenefit})$	✓	$\text{fac.IncomeLossFromContinuingOperationsAfterTax}[(487,000)] = (\text{fac.IncomeLossFromContinuingOperationsBeforeIncomeTaxesAndExtraordinaryItemsAndDiscontinuedOperations}[\text{us-gaap:IncomeLossFromContinuingOperationsBeforeIncomeTaxesAndExtraordinaryItemsAndDiscontinuedOperations}[(487,000)]] - \text{fac.IncomeTaxExpenseBenefit}[\text{us-gaap:IncomeTaxExpenseBenefit}[(295,000)]])$
FAC_CONSISTENCY_17	$\text{fac.NetIncomeLoss} = (\text{fac.IncomeLossFromContinuingOperationsAfterTax} + \text{fac.IncomeLossFromDiscontinuedOperationsAfterTax} + \text{fac.ExtraordinaryItemsOfIncomeExpenseAfterTax} - \text{fac.ExtraordinaryItemsOfIncomeExpenseBeforeTax})$	✓	$\text{fac.NetIncomeLoss}[\text{us-gaap:ProfitLoss}[(487,000)]] = (\text{fac.IncomeLossFromContinuingOperationsAfterTax}[(487,000)] + \text{fac.IncomeLossFromDiscontinuedOperationsAfterTax}[(487,000)] + \text{fac.ExtraordinaryItemsOfIncomeExpenseAfterTax}[(0)] - \text{fac.ExtraordinaryItemsOfIncomeExpenseBeforeTax}[(0)])$
FAC_CONSISTENCY_18	$\text{fac.NetIncomeLoss} = (\text{fac.NetIncomeLossAttributableToParent} + \text{fac.NetIncomeLossAttributableToNoncontrollingInterest})$	✓	$\text{fac.NetIncomeLoss}[\text{us-gaap:ProfitLoss}[(487,000)]] = (\text{fac.NetIncomeLossAttributableToParent}[(487,000)] + \text{fac.NetIncomeLossAttributableToNoncontrollingInterest}[(0)])$
FAC_CONSISTENCY_19	$\text{fac.PreferredStockDividendsAndOtherAdjustments} = (\text{fac.PreferredStockDividendsAndOtherAdjustments})$	✓	$\text{fac.PreferredStockDividendsAndOtherAdjustments}[(0)] = (\text{fac.PreferredStockDividendsAndOtherAdjustments}[(0)])$
FAC_CONSISTENCY_2	$\text{fac.Assets} = \text{fac.LiabilitiesAndEquity}$	✓	$\text{fac.Assets}[\text{us-gaap:Assets}[(562,318,000)]] = \text{fac.LiabilitiesAndEquity}[\text{us-gaap:LiabilitiesAndStockholdersEquity}[(562,318,000)]]$
FAC_CONSISTENCY_20	$\text{fac.ComprehensiveIncomeLoss} = (\text{fac.ComprehensiveIncomeLossAttributableToParent} + \text{fac.ComprehensiveIncomeLossAttributableToNoncontrollingInterest})$	✓	$\text{fac.ComprehensiveIncomeLoss}[(470,000)] = (\text{fac.ComprehensiveIncomeLossAttributableToParent}[\text{us-gaap:ComprehensiveIncomeLossAttributableToNoncontrollingInterest}[(0)]] + \text{fac.ComprehensiveIncomeLossAttributableToParent}[(470,000)])$
FAC_CONSISTENCY_21	$\text{fac.ComprehensiveIncomeLoss} = (\text{fac.ComprehensiveIncomeLoss} + \text{fac.OtherComprehensiveIncomeLoss})$	✓	$\text{fac.ComprehensiveIncomeLoss}[(470,000)] = (\text{fac.ComprehensiveIncomeLoss}[\text{us-gaap:ProfitLoss}[(487,000)]] + \text{fac.OtherComprehensiveIncomeLoss}[\text{us-gaap:OtherComprehensiveIncomeLoss}[(17,000)]])$
FAC_CONSISTENCY_22	$\text{fac.InterestIncomeExpenseOperating} = (\text{fac.InterestIncomeExpenseOperating} - \text{fac.InterestExpenseOperating})$	✓	$\text{fac.InterestIncomeExpenseOperating}[\text{us-gaap:InterestIncomeExpense}[(8,212,000)]] = (\text{fac.InterestIncomeExpenseOperating}[\text{us-gaap:InterestIncomeExpense}[(8,212,000)]] - \text{fac.InterestExpenseOperating}[\text{us-gaap:InterestExpense}[(1,798,000)]])$
FAC_CONSISTENCY_28	$\text{fac.InterestIncomeExpenseOperating} = (\text{fac.InterestIncomeExpenseOperating} - \text{fac.ProvisionForLoanLossesAndOtherLosses})$	✗	$\text{fac.InterestIncomeExpenseOperating}[\text{us-gaap:InterestIncomeExpense}[(8,212,000)]] = (\text{fac.InterestIncomeExpenseOperating}[\text{us-gaap:InterestIncomeExpense}[(8,212,000)]] - \text{fac.ProvisionForLoanLossesAndOtherLosses}[\text{us-gaap:ProvisionForLoanLossesAndOtherLosses}[(468,000)]])$
FAC_CONSISTENCY_48	$\text{fac.IncomeLossFromContinuingOperationsAfterTax} = (\text{fac.IncomeLossFromContinuingOperationsBeforeIncomeTaxesAndExtraordinaryItemsAndDiscontinuedOperations} - \text{fac.IncomeTaxExpense})$	✓	$\text{fac.IncomeLossFromContinuingOperationsAfterTax}[\text{us-gaap:IncomeLossFromContinuingOperationsAfterTax}[(487,000)]] = (\text{fac.IncomeLossFromContinuingOperationsBeforeIncomeTaxesAndExtraordinaryItemsAndDiscontinuedOperations}[\text{us-gaap:IncomeLossFromContinuingOperationsBeforeIncomeTaxesAndExtraordinaryItemsAndDiscontinuedOperations}[(487,000)]] - \text{fac.IncomeTaxExpense}[\text{us-gaap:IncomeTaxExpense}[(295,000)]])$
FAC_CONSISTENCY_5	$\text{fac.LiabilitiesAndEquity} = (\text{fac.Liabilities} + \text{fac.CommitmentsAndContingencies} + \text{fac.TemporaryEquity} + \text{fac.Equity})$	✓	$\text{fac.LiabilitiesAndEquity}[\text{us-gaap:LiabilitiesAndStockholdersEquity}[(562,318,000)]] = (\text{fac.Liabilities}[\text{us-gaap:Liabilities}[(515,115,000)]] + \text{fac.CommitmentsAndContingencies}[(0)] + \text{fac.TemporaryEquity}[(0)] + \text{fac.Equity}[(47,203,000)])$
FAC_CONSISTENCY_50	$\text{fac.NetCashFlow} = (\text{fac.NetCashFlowContinuing} - \text{fac.NetCashFlowDiscontinued} + \text{fac.ExchangeGainsLosses})$	✓	$\text{fac.NetCashFlow}[\text{us-gaap:CashAndCashEquivalentsPeriodIncreaseDecrease}[(2,820,000)]] = (\text{fac.NetCashFlowContinuing}[(2,820,000)] + \text{fac.NetCashFlowDiscontinued}[(0)] + \text{fac.ExchangeGainsLosses}[(0)])$
FAC_CONSISTENCY_5	$\text{fac.NetCashFlow} = (\text{fac.NetCashFlowFromOperatingActivities} + \text{fac.NetCashFlowFromInvestingActivities} + \text{fac.NetCashFlowFromFinancingActivities} + \text{fac.ExchangeGainsLosses})$	✓	$\text{fac.NetCashFlow}[\text{us-gaap:CashAndCashEquivalentsPeriodIncreaseDecrease}[(2,820,000)]] = (\text{fac.NetCashFlowFromOperatingActivities}[(4,224,000)] + \text{fac.NetCashFlowFromInvestingActivities}[(12,554,000)] + \text{fac.NetCashFlowFromFinancingActivities}[(11,150,000)] + \text{fac.ExchangeGainsLosses}[(0)])$
FAC_CONSISTENCY_7	$\text{fac.NetCashFlowContinuing} = (\text{fac.NetCashFlowFromOperatingActivitiesContinuing} + \text{fac.NetCashFlowFromInvestingActivitiesContinuing} + \text{fac.NetCashFlowFromFinancingActivitiesContinuing})$	✓	$\text{fac.NetCashFlowContinuing}[(2,820,000)] = (\text{fac.NetCashFlowFromOperatingActivitiesContinuing}[\text{us-gaap:NetCashProvidedByUsedInOperatingActivitiesContinuingOperations}[(4,224,000)]] + \text{fac.NetCashFlowFromInvestingActivitiesContinuing}[\text{us-gaap:NetCashProvidedByUsedInInvestingActivitiesContinuingOperations}[(12,554,000)]] + \text{fac.NetCashFlowFromFinancingActivitiesContinuing}[\text{us-gaap:NetCashProvidedByUsedInFinancingActivitiesContinuingOperations}[(11,150,000)]])$
FAC_CONSISTENCY_8	$\text{fac.NetCashFlowDiscontinued} = (\text{fac.NetCashFlowFromOperatingActivitiesDiscontinued} + \text{fac.NetCashFlowFromInvestingActivitiesDiscontinued} + \text{fac.NetCashFlowFromFinancingActivitiesDiscontinued})$	✓	$\text{fac.NetCashFlowDiscontinued}[(0)] = (\text{fac.NetCashFlowFromOperatingActivitiesDiscontinued}[(0)] + \text{fac.NetCashFlowFromInvestingActivitiesDiscontinued}[(0)] + \text{fac.NetCashFlowFromFinancingActivitiesDiscontinued}[(0)])$
FAC_CONSISTENCY_9	$\text{fac.NetCashFlowFromOperatingActivities} = (\text{fac.NetCashFlowFromOperatingActivitiesContinuing} + \text{fac.NetCashFlowFromOperatingActivitiesDiscontinued})$	✓	$\text{fac.NetCashFlowFromOperatingActivities}[(4,224,000)] = (\text{fac.NetCashFlowFromOperatingActivitiesContinuing}[\text{us-gaap:NetCashProvidedByUsedInOperatingActivitiesContinuingOperations}[(4,224,000)]] + \text{fac.NetCashFlowFromOperatingActivitiesDiscontinued}[(0)])$

The messages indicate that all the fundamental accounting concept relations are valid which are indicated by the GREEN results but one is inconsistent with expectation. The inconsistent result is indicated by the ORANGE cell in the Result field.

Further, notice that the “Fundamental Accounting Concept” icon turned ORANGE to indicate that an inconsistency has been detected.



Notice that two THREE additional tabs were added to the application. One is the FAC Validation Result which you were looking at above, another is the FAC Taxonomy which explains all of the FAC validation rules, and the third is the FAC instance which provides the validation result.



Select the “FAC Instance” tab. Notice the line Network/Table on the left that is ORANGE, indicating the location of the inconsistency:

The screenshot shows the application interface with the 'FAC Instance' tab selected. The left pane displays a list of components, with '205.1-Income Statement, Interest Based Revenues' highlighted in orange. The right pane shows the 'General Information' table for this component, with the 'Interest Income (Expense) After Provision for Loan Losses' line item highlighted in orange.

Network	Table
001-General Information	General Information [Table]
102-Balance Sheet, Unclassified	Balance Sheet, Unclassified [Table]
205.1-Income Statement, Interest Based Revenues	Income Statement, Interest Based Revenues [Table]
211-Net Income (Loss) Breakdown	Net Income (Loss) Breakdown [Table]
212-Net Income (Loss) Available to Common Breakdown	Net Income (Loss) Available to Common Breakdown [Table]
301-Statement of Comprehensive Income	Statement of Comprehensive Income (Loss) [Table]
311-Comprehensive Income (Loss) Breakdown	Comprehensive Income (Loss) Breakdown [Table]
401-Cash Flow Statement	Cash Flow Statement [Table]
411.1-Net Cash Flow Breakdown	Net Cash Flow Breakdown [Table]
420.1-Continuing and Discontinued Net Cash Flow Breakdown	Cash Flow Statement [Table]

Component: (Network and Table)	Dynamic Rendering	Model Structure	Fact Table	Business Rules Structure	Business Rules
Network	001 - Document	General Information			
Table	General Information [Table]				
Reporting Entity [Axis]	0001337068	http://www.sec.gov/CIK			
General Information [Line Items]	2015-10-01/2016-03-31				
General Information [Hierarchy]					
Entity Registrant Name	Magyar Bancorp, Inc.				
Entity Central Index Key	0001337068				
Entity Filer Category	Smaller Reporting Company				
Trading Symbol	0				
Fiscal Year End	--09-30				
Fiscal Year Focus	2016				
Fiscal Period Focus	Q2				
Document Type	10-Q				
Balance Sheet Date	2016-03-31				

Click on the ORANGE Network/Table and that report fragment appears in the panel on the right (see the screen shot below). You can see that the fact for the line item “Interest Income (Expense) After Provision for Loan Losses” has an ORANGE highlighting, indicating that there is some sort of inconsistency. If you get out your calculator and compute the value, you notice that the report says the value is 7,743,000 but you will likely compute the value 7,744,000. There is a \$1,000 difference between what was reported and the what the computation shows.

If you click on the reported fact for the line item “Provision for Loan, Lease, and Other Losses”, a form will appear. Click on the “Provenance” tab and you will see that two facts were discovered in the XBRL-based financial report.

The fundamental accounting concept relations validation shows that the XBRL-based financial report contains conflicting information. Further investigation of reporting concepts will confirm this inconsistency.

The screenshot displays an XBRL viewer interface with the following components:

- Top Bar:** Instance (mgysr-20160331.xml), Taxonomy (mgysr-20160331.xsd), FAC Instance (mgysr-20160331.xml), FAC Taxonomy, FAC Validation Result.
- Left Panel:** Components, Filter Type, Filter Level, Filter Status. A list of networks and tables is shown, including "205.1-Income Statement, Interest Based Revenues".
- Main Panel:** Dynamic Rendering, Model Structure, Fact Table, Business Rules Structure, Business Rules. The "Fact Table" is selected, showing a table with columns for Reporting Entity [Axis], Period [Axis], and various line items.
- Bottom Panel:** Fact Characteristics and Properties, Properties, Occurrences, Provenance. The "Provenance" tab is active, showing a table with columns for Fact origin, Value, and Unit.

Key data points from the Provenance table:

Fact origin	Value	Unit
1 us-gaap:ProvisionForLoanLeaseAndOtherLosses	468,000	
2 us-gaap:ProvisionForLoanAndLeaseLosses	469,000	
3 us-gaap:ProvisionForLoanLossesExpense	-	

Key data points from the Fact Table:

Line Item	Value
Interest and Dividend Income, Operating	9,970,000
Interest Expense, Operating	1,758,000
Interest Income (Expense), Operating, Net	8,212,000
Provision for Loan, Lease, and Other Losses	468,000
Interest Income (Expense) After Provision for Losses	7,743,000
Noninterest Income	1,063,000
Noninterest Expense	8,024,000
Net Income (Loss)	487,000

Yellow callouts highlight the following issues:

- Conflicting / contradictory values:** Points to the value 469,000 in the Provenance table for the fact "us-gaap:ProvisionForLoanAndLeaseLosses".
- Provenance tab shows the origin of the fact returned:** Points to the fact "us-gaap:ProvisionForLoanLeaseAndOtherLosses" in the Provenance table.
- Computation does not foot:** Points to the "Interest Income (Expense) After Provision for Losses" row in the Fact Table, which is 7,743,000, while the sum of the components above it is 8,212,000 - 1,758,000 + 468,000 = 6,922,000.

STEP 4: Determine if the inconsistency is an error.

We want to find out where the concept “us-gaap:ProvisionForLoanLeaseAndOtherLosses” is being used. To do this, first, select “Instance” tab to work with that document. Next, select the “Tools” tab from the toolbar ribbon. Enter or copy/paste “ProvisionForLoanLeaseAndOtherLosses” into the “Search” tool. Press the “Search” button and the “Search Result” form appears on the right side of the screen. Click on the line item “Provision for loan losses” and you can see that this is the concept which is being picked up by the validation, that value is \$468,000. If you not click on the “Statement of Operations” Network/Table, you can see that a different concept was used which has a value of \$469,000 on the income statement representation.

The screenshot shows the Pseeract software interface. The 'Tools' tab is selected in the top ribbon. The search bar contains 'ProvisionForLoanLeaseAndOtherLosses'. The search results are displayed on the right side of the screen. A yellow callout points to the 'Instance' tab in the left sidebar, stating 'Select the "Instance" tab to search that document.' Another yellow callout points to the search results, stating 'Search results. Double click to navigate to fact with this concept in report.'

The search results show the following table:

Report Elements
1 Provision for loan losses

The main window displays the 'Consolidated Statements of Cash Flows' table. The 'Provision for loan losses' line item is highlighted in yellow. The 'Report Element Properties' pane shows the following details:

- Report Standard Label: Provision
- Base Standard Label: Provision for Loan, Lease, and Other Losses
- Documentation: Amount of expense related loan transactions, lease transactions, credit loss from transactions other than loan and lease transactions, and other loss based on assessment of uncollectability from the counterparty to reduce the account to their net realizable value.
- Class: [Concept] Monetary
- Prefix: us-gaap
- Balance Type: Debit
- Period Type: For Period (duration)
- Data Type: Monetary (xbrli:monetaryItemType)
- Name: us-gaap:ProvisionForLoanLeaseAndOtherLosses
- ID: us-gaap_ProvisionForLoanLeaseAndOtherLosses

This confirms that there is, in fact, a conflict/contradiction in the facts which have been reported.

Fact Characteristics and Properties		
Provenance		
fac:ProvisionForLoanLeaseAndOtherLosses[us-gaap:ProvisionForLoanLeaseAndOtherLosses[468,000]]		
Fact origin:		
1	us-gaap:ProvisionForLoanLeaseAndOtherLosses	468,000
2	us-gaap:ProvisionForLoanAndLeaseLosses	469,000
3	us-gaap:ProvisionForLoanLossesExpensed	-

Further, the roll forward of the provision for loan losses does not correctly foot and it uses the same concept which was reported on the income statement. You can find that disclosure by searching on the value “468000”. Clear the search text box by clicking the red “X”, the search results show up on the right of the application. The third fact is in the disclosure you are looking for:

Search: 468000

Search Results:

- 1 Provision for loan losses
- 2 Loans and Leases Receivable, Gross
- 3 Provision

Component: (Network and Table) LOANS RECEIVABLE, NET AND RELATED ALLOWANCE FOR LOAN LOSSES (Schedule of Activity in the Allowance for Loan Losses by Loan Category) (Details)

Table: Schedule of Financing Receivable, Allowance for Credit Losses (Table)

Reporting Entity (Inst): 000137908 http://www.abc.gov/CXK

Period (Axis): 2019-10-01/2019-10-31

	Commercial business [Member]	Other [Member]	Unallocated [Member]	Class of Financing Receivable Type [Domain]	One-to four-family residential [Member]	Comme
Activity in the allowance for loan losses by loan category:						
Balance at beginning of period	969,000	6,000	79,000	2,886,000	395,000	
Charge-offs					(45,000)	
Recoveries					0	
Provision				468,000	36,000	
Balance at the end of period	969,000	8,000	180,000	2,890,000	386,000	

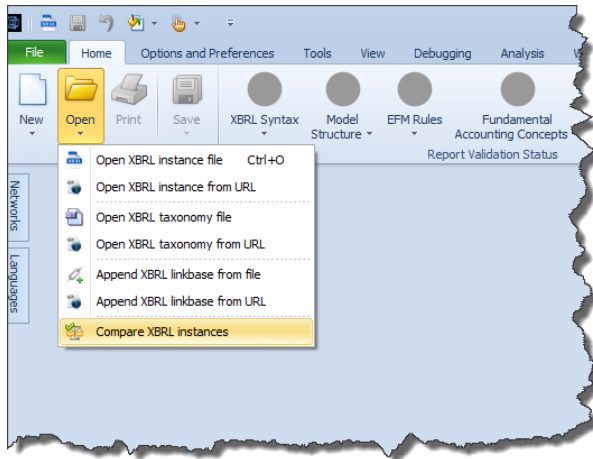
NOTE: You have to reconfigure the disclosure by dragging the “Class of Financing Receivable Type [Axis]” to the columns.

Because this information is contradictory, this inconsistency is confirmed to be an ERROR in the XBRL-based financial filing of this public company.

STEP 5: *Confirming the inconsistency by comparing information across periods.*

To further determine if an inconsistency is an error, one can compare the information reported within one XBRL-based financial report with other reports for the same economic entity and therefore see if the inconsistency is unique to one specific period or whether the same inconsistency **exists for other periods**. To do this you use the comparison functionality of the application.

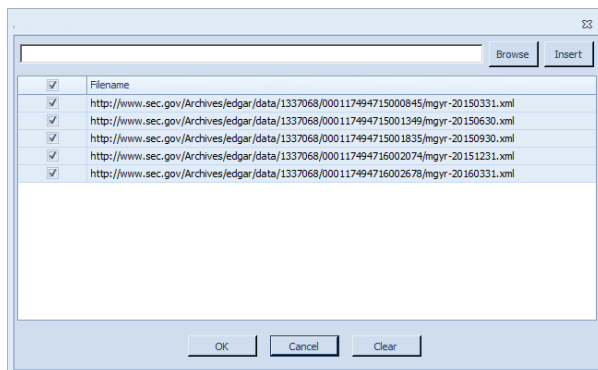
Select “Open” from the Home menu toolbar and then “Compare XBRL instances” from the menu:



In the comparison dialog you can enter as many XBRL instances as you might want to compare. Add the following XBRL instances using that comparison dialog:

- <http://www.sec.gov/Archives/edgar/data/1337068/000117494716002678/mgyr-20160331.xml>
- <http://www.sec.gov/Archives/edgar/data/1337068/000117494716002074/mgyr-20151231.xml>
- <http://www.sec.gov/Archives/edgar/data/1337068/000117494715001835/mgyr-20150930.xml>
- <http://www.sec.gov/Archives/edgar/data/1337068/000117494715001349/mgyr-20150630.xml>
- <http://www.sec.gov/Archives/edgar/data/1337068/000117494715000845/mgyr-20150331.xml>

After copying and pasting these XBRL instances the comparison dialog will look like the following screen shot below.



Press the OK button and the documents will load. Select the network “205.1-Income Statement, Interest Based Revenues” and you will see a five year comparison shown side-by-side which you can use to further investigate inconsistencies:

FAC Instance Comparison		FAC Taxonomy	FAC Validation Result
Components		Rendering	Model Structure
Filter Type		Fact Table	Business Rules Structure
Filter Level		Business Rules	Elements
Filter Status		Component: (Network and Table)	
Enter text to filter ...		Income Statement, Interest Based Revenues	
Network		Table	
001-General Information		General Information [Table]	
102-Balance Sheet, Unclassified		Balance Sheet, Unclassified [Table]	
205.1-Income Statement, Interest Based Revenues		Income Statement, Interest Based Revenues [Table]	
211-Net Income (Loss) Breakdown		Net Income (Loss) Breakdown [Table]	
212-Net Income (Loss) Available to Common Breakdown		Net Income (Loss) Available to Common Breakdown [Table]	
301-Statement of Comprehensive Income		Statement of Comprehensive Income [Table]	
311-Comprehensive Income (Loss) Breakdown		Comprehensive Income (Loss) Breakdown [Table]	
401-Cash Flow Statement		Cash Flow Statement [Table]	
411-Net Cash Flow Breakdown		Net Cash Flow Breakdown [Table]	
420.1-Continuing and Discontinued Net Cash Flow Breakdown		Cash Flow Statement [Table]	
Network		205.1-Income Statement, Interest Based Revenues	
Table		Income Statement, Interest Based Revenues	
Type		Document	
Level		InProgress	
Status (of Component)			
Disclosure			
Reporting Entity (Axis)		0001137068 http://www.sec.gov/CIK	
Period (Axis)		2015-10-01/2016-03-31	
Income Statement (Line Items)		2015-10-01/2015-12-31	
Net Income (Loss) [Roll Up]		2014-10-01/2015-09-30	
Income (Loss) from Continuing Operations After Tax [Roll Up]		2014-10-01/2015-06-30	
Income (Loss) from Continuing Operations Before Tax [Roll Up]		2014-10-01/2015-03-31	
Interest Income (Expense), After Provision for Losses [Roll Up]			
Interest Income (Expense), Net [Roll Up]			
Interest and Dividend Income, Operating		9,970,000	
Interest Expense, Operating		5,002,000	
Interest Income (Expense), Operating, Net		19,437,000	
Provision for Loan, Lease, and Other Losses		14,429,000	
Interest Income (Expense) After Provision for Losses		3,196,000	
Noninterest Income		2,357,000	
Noninterest Expense		1,579,000	
Income (Loss) from Continuing Operations Before Tax		8,212,000	
Income Tax Expense (Benefit)		4,110,000	
Income (Loss) from Continuing Operations After Tax		16,241,000	
Income (Loss) from Discontinued Operations, Net of Tax		12,072,000	
Net Income (Loss)		8,009,000	
		468,000	
		178,000	
		1,264,000	
		936,000	
		590,000	
		7,743,000	
		3,932,000	
		14,977,000	
		11,136,000	
		7,419,000	
		1,063,000	
		621,000	
		1,990,000	
		0	
		8,024,000	
		4,061,000	
		15,657,000	
		0	
		782,000	
		502,000	
		1,310,000	
		817,000	
		453,000	
		295,000	
		193,000	
		413,000	
		243,000	
		124,000	
		487,000	
		309,000	
		897,000	
		574,000	
		329,000	
		0	
		0	
		487,000	
		309,000	
		897,000	
		574,000	
		329,000	

If you click on the line item “Provision for Loan, Lease, and Other Losses” for the periods that show no inconsistencies, you can see that the value for the two concepts reported always have the same value.

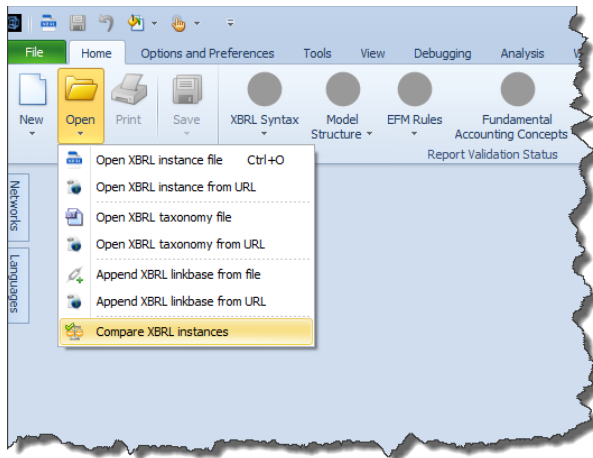
Interest Income, Operating	9,970,000	5,002,000
Interest Expense, Operating	1,758,000	892,000
Interest Income (Expense), Operating, Net	8,212,000	4,110,000
Provision for Loan, Lease, and Other Losses	468,000	178,000
Interest Income (Expense) After Provision for Losses	7,743,000	3,932,000

Fact Characteristics and Properties	
Properties	Occurrences
Provenance	
fact:ProvisionForLoanLeaseAndOtherLosses[us-gaap:ProvisionForLoanLeaseAndOtherLosses[178,000]]	
Fact origin:	
1 us-gaap:ProvisionForLoanLeaseAndOtherLosses	178,000
2 us-gaap:ProvisionForLoanAndLeaseLosses	178,000
3 us-gaap:ProvisionForLoanLossesExpensed	-

STEP 6: *Confirming the inconsistency by comparing information across entities.*

Similar to how you compared information across periods in STEP 5, you can also compare information across reporting entities. Again, to do this you use the comparison functionality of the application.

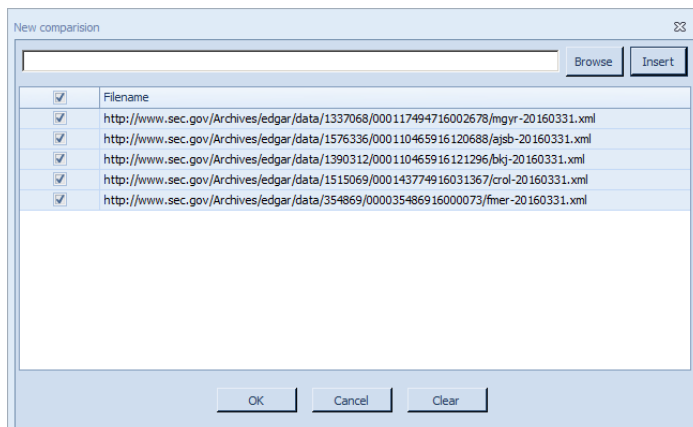
Select “Open” from the Home menu toolbar and then “Compare XBRL instances” from the menu:



In the comparison dialog you can enter as many XBRL instances as you might want to compare. Add the following XBRL instances using that comparison dialog:

- <http://www.sec.gov/Archives/edgar/data/1337068/000117494716002678/mgyr-20160331.xml>
- <http://www.sec.gov/Archives/edgar/data/1576336/000110465916120688/ajsb-20160331.xml>
- <http://www.sec.gov/Archives/edgar/data/1390312/000110465916121296/bkj-20160331.xml>
- <http://www.sec.gov/Archives/edgar/data/1515069/000143774916031367/crol-20160331.xml>
- <http://www.sec.gov/Archives/edgar/data/354869/000035486916000073/fmer-20160331.xml>

After copying and pasting these XBRL instances the comparison dialog will look like the following screen shot below.



First, note that five different entities are loaded:

Component: (Network and Table)

Network

001 - Document General Information

Table

General Information [Table]

Drop Filter Fields Here

Period [Axis]

Reporting Entity [Axis]

2016-01-01/2016-03-31

2015-10-01/2016-03-31

General Information [Line Items]

0000354869 http://www.sec.gov/CIK

0001390312 http://www.sec.gov/CIK

0001515069 http://www.sec.gov/CIK

0001576336 http://www.sec.gov/CIK

0001337068 http://www.sec.gov/CIK

General Information [Hierarchy]

Entity Registrant Name

Entity Central Index Key

Entity Filer Category

Trading Symbol

Fiscal Year End

Fiscal Year Focus

Fiscal Period Focus

Document Type

Balance Sheet Date

FIRSTMERIT CORP /OH/
0000354869

Bancorp of New Jersey, Inc.
0001390312

Carroll Bancorp, Inc.
0001515069

AJS Bancorp, Inc.
0001576336

Magyar Bancorp, Inc.
0001337068

Large Accelerated Filer

Smaller Reporting Company

Smaller Reporting Company

Smaller Reporting Company

Smaller Reporting Company

0

0

crol

0

0

--12-31

--12-31

--12-31

--12-31

--09-30

2016

2016

2016

2016

2016

Q1

Q1

Q1

Q1

Q2

10-Q

10-Q

10-Q

10-Q

10-Q

2016-03-31

2016-03-31

2016-03-31

2016-03-31

2016-03-31

Second, notice that of the five economic entities, only one has an inconsistency:

Component: (Network and Table)

Network

Table

Income Statement, Interest Based Revenues

Table

Income Statement, Interest Based Revenues [Table]

Drop Filter Fields Here

Period [Axis]

Reporting Entity [Axis]

2016-01-01/2016-03-31

2015-10-01/2016-03-31

Income Statement [Line Items]

0000354869 <http://www.sec.gov/CIK>

0001390312 <http://www.sec.gov/CIK>

0001515069 <http://www.sec.gov/CIK>

0001576336 <http://www.sec.gov/CIK>

0001337068 <http://www.sec.gov/CIK>

Net Income (Loss) [Roll Up]

Income (Loss) from Continuing Operations After Tax [Roll Up]

Income (Loss) from Continuing Operations Before Tax [Roll Up]

Interest Income (Expense), After Provision for Losses [Roll Up]

Interest Income (Expense), Net [Roll Up]

Interest and Dividend Income, Operating

200,688,000

8,062,000

1,469,995

1,296,000

9,970,000

Interest Expense, Operating

15,532,000

1,836,000

226,178

159,000

1,758,000

Interest Income (Expense), Operating, Net

185,156,000

6,226,000

1,243,817

1,137,000

8,212,000

Provision for Loan, Lease, and Other Losses

7,809,000

300,000

30,166

(60,000)

468,000

Interest Income (Expense) After Provision for Losses

177,347,000

5,926,000

1,213,651

1,197,000

7,743,000

Noninterest Income

67,394,000

84,000

80,040

177,000

1,063,000

Noninterest Expense

166,963,000

3,991,000

1,194,263

1,140,000

8,024,000

Income (Loss) from Continuing Operations Before Tax

77,778,000

2,019,000

99,428

234,000

782,000

Income Tax Expense (Benefit)

23,642,000

727,000

29,584

62,000

295,000

Income (Loss) from Continuing Operations After Tax

54,136,000

1,292,000

69,844

172,000

487,000

Income (Loss) from Discontinued Operations, Net of Tax

0

0

0

0

0

Net Income (Loss)

54,136,000

1,292,000

69,844

172,000

487,000

By examining which concepts were used to report the line item by each economic entity you can determine what might be correct and what might be incorrect. In the five different screen shots below for each of the five economic entities; notice that only one economic entity, the one with the inconsistency, reports more than one of the three probable fact values or if they do report more than one then the fact values of the two different facts are the SAME value. This information itself is not an indication as to whether this is an error or not. It is just information. But when you dig deeper and see how the economic entities are using the second concept you can determine if the use of the two concepts is consistent with the rules of logic.

Fact Characteristics and Properties			Σ3
Properties	Occurrences	Provenance	
fac:ProvisionForLoanLeaseAndOtherLosses[us-gaap:ProvisionForLoanLeaseAndOtherLosses[7,809,000]]			
Fact origin:			
1	us-gaap:ProvisionForLoanLeaseAndOtherLosses	7,809,000	
2	us-gaap:ProvisionForLoanAndLeaseLosses	7,809,000	
3	us-gaap:ProvisionForLoanLossesExpensed	-	

Fact Characteristics and Properties			Σ3
Properties	Occurrences	Provenance	
fac:ProvisionForLoanLeaseAndOtherLosses[us-gaap:ProvisionForLoanAndLeaseLosses[300,000]]			
Fact origin:			
1	us-gaap:ProvisionForLoanLeaseAndOtherLosses	-	
2	us-gaap:ProvisionForLoanAndLeaseLosses	300,000	
3	us-gaap:ProvisionForLoanLossesExpensed	-	

Fact Characteristics and Properties			Σ3
Properties	Occurrences	Provenance	
fac:ProvisionForLoanLeaseAndOtherLosses[us-gaap:ProvisionForLoanAndLeaseLosses[30,166]]			
Fact origin:			
1	us-gaap:ProvisionForLoanLeaseAndOtherLosses	-	
2	us-gaap:ProvisionForLoanAndLeaseLosses	30,166	
3	us-gaap:ProvisionForLoanLossesExpensed	-	

Fact Characteristics and Properties			Σ3
Properties	Occurrences	Provenance	
fac:ProvisionForLoanLeaseAndOtherLosses[us-gaap:ProvisionForLoanAndLeaseLosses[(60,000)]]			
Fact origin:			
1	us-gaap:ProvisionForLoanLeaseAndOtherLosses	-	
2	us-gaap:ProvisionForLoanAndLeaseLosses	(60,000)	
3	us-gaap:ProvisionForLoanLossesExpensed	-	

Fact Characteristics and Properties			Σ3
Properties	Occurrences	Provenance	
fac:ProvisionForLoanLeaseAndOtherLosses[us-gaap:ProvisionForLoanLeaseAndOtherLosses[468,000]]			
Fact origin:			
1	us-gaap:ProvisionForLoanLeaseAndOtherLosses	468,000	
2	us-gaap:ProvisionForLoanAndLeaseLosses	469,000	
3	us-gaap:ProvisionForLoanLossesExpensed	-	

NOTE: You can get a similar set of comparison information using SECXBRL.info using this URL.

Period comparison:

<http://secxbri.28.io/v1/queries/public/api/spreadsheet-for-report.iq?token=c3049752-4d35-43da-82a2-f89f1b06f7a4&report=IncomeStatementInterestBasedRevenues&cik=0001337068&fiscalYear=2012&fiscalYear=2013&fiscalYear=2014&fiscalYear=2015&fiscalYear=2016&fiscalPeriod=ALL&val idate=true&format=html>

Component: (Network and Table)		2015 Income Statement, Interest Based Revenues (http://www.xbrlinfo.com/2014/Prototype/Report/IncomeStatementInterestBasedRevenues)																
Network		Income Statement, Interest Based Revenues (Table)																
Unit (Axis)		USD																
Fiscal Period Type (Axis)		YTD, Instant																
Income Statement (Line Items)	Fiscal Year (Axis)																	
	2012				2013				2014				2015				2016	
	Fiscal Period (Axis)				Fiscal Period (Axis)				Fiscal Period (Axis)				Fiscal Period (Axis)				Fiscal Period (Axis)	
	Q1	Q2	Q3	FY	Q1	Q2	Q3	FY	Q1	Q2	Q3	FY	Q1	Q2	Q3	FY	Q1	Q2
Reporting Entity (Axis)		Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)	Reporting Entity (Axis)
Magyar Bancorp, Inc. (1337068)		Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)	Magyar Bancorp, Inc. (1337068)
Income Statement (Line Items)																		
Income (Loss) (Roll Up)																		
Income (Loss) from Continuing Operations After Tax (Roll Up)																		
Income (Loss) from Continuing Operations Before Tax (Roll Up)																		
Interest Income (Expense), After Provision for Losses (Roll Up)																		
Interest Income (Expense), Net (Roll Up)																		
Interest and Dividend Income, Operating																		
Interest Expense, Operating																		
Interest Income (Expense), Operating, Net																		
Provision for Loan, Lease, and Other Losses																		
Interest Income (Expense) After Provision for Losses																		
Noninterest Income																		
Noninterest Expense																		
Income (Loss) from Continuing Operations Before Tax																		
Income Tax Expense (Benefit)																		
Income (Loss) from Continuing Operations After Tax																		
Income (Loss) from Discontinued Operations, Net of Tax																		
Extraordinary Items of Income (Expense), Net of Tax																		
Net Income (Loss)																		

Same issue shown by 28msec

Entity comparison:

<http://secxbri.28.io/v1/queries/public/api/spreadsheet-for-report.iq?token=c3049752-4d35-43da-82a2-f89f1b06f7a4&report=IncomeStatementInterestBasedRevenues&fiscalYear=2015&fiscalPeriod=FY&validate=true&format=html&indent=yes&labels=false&format=html&cik=0001337068&cik=0001576336&cik=0001390312&cik=0001515069&cik=0000880641&cik=0000354869&cik=0001602658&cik=0000716605&cik=001216752&cik=0001216752&cik=0000090498&cik=0000719220&cik=0001178409&cik=0001343034&cik=0001442741&cik=0001528610&cik=0001100542&cik=0000046195&cik=0001403475&cik=0000275119&cik=0000072971>

Component: (Network and Table)		2015 Income Statement, Interest Based Revenues http://www.xbrlinfo.com/2014/Prototype/Report/IncomeStatementInterestBasedRevenues																		
Network		Income Statement, Interest Based Revenues (Table)																		
Unit (Axis)		USD																		
Fiscal Period Type (Axis)		YTD, Instant																		
Income Statement (Line Items)	Fiscal Year (Axis)																			
	2015																			
	Fiscal Period (Axis)																			
	FY																			
	Reporting Entity (Axis)																			
	AJS Bancorp, Inc. (157538)	ALAMOORCO FINANCIAL CORP (1100542)	BANK OF HAWAII CORP (66195)	BAYLAKE CORP (278116)	Bancorp of New Jersey, Inc. (1390312)	Bank of Marin Bancorp (1403475)	Carroll Bancorp, Inc. (1510589)	EAGLE FINANCIAL SERVICES INC (856541)	FIRSTMERRIT CORP (354869)	Investor Holding Corp (1602558)	Magyar Bancorp, Inc. (1337058)	PENNS WOODS FINANCIAL SERVICES INC (178605)	PIONEER FINANCIAL SERVICES INC (1216752)	Polonia Bancorp, Inc. (1526810)	S&T BANCORP INC (178225)	SIMMONS FIRST NATIONAL CORP (90498)	TIDELANDS BANCORP INC (1178409)	TWO RIVER BANCORP (1403524)	WELLS FARGO & COMPANY (MN) (72871)	Xenith Bancshares, Inc. (1442741)
Net Income (Loss) (Roll Up)																				
Income (Loss) from Continuing Operations After Tax (Roll Up)																				
Income (Loss) from Continuing Operations Before Tax (Roll Up)																				
Interest Income (Expense), After Provision for Losses (Roll Up)																				
Interest Income (Expense), Net (Roll Up)																				
Interest and Dividend Income, Operating	5,241,000	12,223,728	432,110,000	35,275,000	31,526,000	66,438,000	5,241,203	24,493,000	799,517,000	37,340,000	19,437,000	46,124,000	76,627,000	10,212,864	203,548,000	300,948,000	16,971,740	32,103,000	49,277,000,000	36,941,000
Interest Expense, Operating	722,000	1,433,995	38,023,000	2,635,000	8,041,000	2,251,000	677,963	1,347,000	68,222,000	5,882,000	3,196,000	5,219,000	11,366,000	3,152,805	15,967,000	22,353,000	5,046,999	3,863,000	3,976,000,000	6,460,000
Interest Income (Expense), Operating Net	4,519,000	10,789,733	394,087,000	32,640,000	23,485,000	64,187,000	4,563,240	23,146,000	731,295,000	31,458,000	16,241,000	40,905,000	65,261,000	7,059,859	187,581,000	278,595,000	11,921,754	28,240,000	45,301,000,000	30,381,000
Provision for Loan, Lease, and Other Losses	80,000	694,000	1,000,000	200,000	624,000	500,000	163,635	-227,000	45,100,000	1,865,000	1,294,000	2,300,000	25,185,000	73,150	10,388,000	9,022,000	1,175,000	40,000	2,442,000,000	2,596,000
Interest Income (Expense) After Provision for Losses	4,439,000	10,095,733	393,087,000	32,440,000	22,861,000	63,687,000	4,399,605	23,373,000	686,195,000	29,593,000	14,977,000	38,605,000	40,066,000	6,986,709	177,163,000	269,573,000	10,746,754	27,760,000	42,896,000,000	27,762,000
Noninterest Income	718,000	4,002,812	189,219,000	9,896,000	309,000	6,193,000	197,584	8,438,000	268,968,000	8,344,000	1,960,000	12,769,000	298,000	4,130,235	51,033,000	99,826,000	1,378,383	3,537,000	40,756,000,000	1,389,000
Noninterest Expense	5,138,000	14,656,129	348,104,000	32,410,000	15,527,000	45,949,000	4,166,550	22,491,000	638,660,000	27,353,000	15,967,000	33,736,000	31,163,000	11,184,708	136,717,000	258,135,000	13,624,872	21,355,000	49,974,000,000	23,514,000
Income (Loss) from Continuing Operations Before Tax	19,000	340,814	231,202,000	11,728,000	7,343,000	25,931,000	428,635	9,930,000	328,503,000	31,564,000	1,310,000	17,534,000	6,191,000	-87,784	61,479,000	107,254,000	-1,806,755	6,932,000	33,941,000,000	5,837,000
Income Tax Expense (Benefit)	-87,000	20,000	70,496,000	3,706,000	2,936,000	10,490,000	157,437	2,433,000	97,019,000	3,511,000	413,000	3,736,000	3,702,000	70,459	24,396,000	32,900,000	0	3,585,000	10,305,000,000	1,454,000
Income (Loss) from Continuing Operations After Tax	85,000	320,814	160,706,000	8,017,000	4,407,000	15,441,000	271,200	6,997,000	229,484,000	28,053,000	7,073,000	13,868,000	5,489,000	-138,223	87,081,000	74,354,000	-1,806,755	6,347,000	23,276,000,000	4,183,000
Income (Loss) from Discontinued Operations, Net of Tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extraordinary Items of Income (Expense), Net of Tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Income (Loss)	85,000	320,814	160,706,000	8,017,000	4,408,000	15,441,000	271,200	6,997,000	229,484,000	28,053,000	7,073,000	13,868,000	5,489,000	-138,223	87,081,000	74,354,000	-1,806,755	6,347,000	23,276,000,000	4,183,000