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).

- 24 - 🌆 File Home **Options and Preferences** Tools Debugging Analysis Windows Help Print XBRL Syntax Model New Open Save EFM Rules Fundamental Automated Accounting To Do Report Structure 1 Accounting Concepts * and Reporting Checks List • Properties Report Validation Status Properties Open XBRL instance file -----Ctrl+O Open XBRL instance from URL Networks Open XBRL taxonomy file Provide the URL of any XBRL-based Open XBRL taxonomy from URL financial filing to the U.S. SEC Append XBRL linkbase from file Append XBRL linkbase from URL Compare XBRL instances

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

Open XBRL instance from URL	23
http://www.sec.gov/Archives/edgar/data/1337068/000117494716002678/mgyr-20160331.xml	-
OK Cancel	

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.



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:



ID

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-CF1-ISS-IEMIX-OILN".

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

FAC_CONSISTENCY_1	fac:Equity = (fac:EquityAttributableToParent + fac:EquityAttributableToNoncontrollingInterest)	×.	[ac:Eguty[us-gaap:StodholdersEguty[includingPortionAttributableToNoncontrollingInterest] 47,203,000]] = (fac:EgutyAttributableToNoncontrollingInterest] 47,203,000] + fac:EgutyAttributableToNoncontrollingInterest] (0])
FAC_CONSISTENCY_10	fac:NetCashFlowFromInvestingActivities = (fac:NetCashFlowFromInvestingActivitiesContinuing + fac:NetCashFlowFromInvestingActivitiesContinued)	×	fachetCaePhonFrenkrestingAchites[(12,554,000)] = (fachetCaePhonFrenkrestingAchitesContinuing]us-gaap/tetCaePhon/dedbj/usedInInvestingAchitesContinuingCperations[(12,554,000)]] + fachetCaePhonFrenkrestingAchitesContinues[(0)]
FAC_CONSISTENCY_11	fac:NetCashFlowFromFinancingActivities = (fac:NetCashFlowFromFinancingActivitiesContinuing + fac:NetCashFlowFromFinancingActivitiesDiscontinued)	×	factleCadHowFomFinencingActivites[11;150,000] = {factleCadHowFomFinencingActivitesContinuing[ar-gaap/tetCadHowfoedbyUsedInFinencingActivitesContinuingQperations[11;150,000]] + factleCadHowFomFinencingActivitesDocontinued[0])
FAC_CONSISTENCY_16	factIncomeLossFromContinuingOperationsAfterTax = (factIncomeLossFromContinuingOperationsBeforeTax - factIncomeTaxExpenseBenefit)	×	facilitorent staffend fahrung/Derestionekher Tal. (# 70.00) = (facilmanel.ostFond.instruing/Derestionekher Tal.(# apapilitorent.ostFondContruing/DerestionekfonerFakesHinority/InterestiondIncarel.ostFonEgutyMethodInvestmenta[782,000]] - facilmanet auformatientellis papailitorent eutopernetientell (25.500]])
FAC_CONSISTENCY_17	fac:NetIncomeLoss = (fac:IncomeLossFromContinuingOperationsAfterTax + fac:IncomeLossFromDiscontinuedOperationsNetOfTax + fac:ExtraordnaryItemoOfticomeExpenseNetOfTax)	¥.	facNetIncomeLosgius-gaapProfit.os(487,000)] = (facIncomeLosgFromContinuingOperationsAfterTax(487,000) + facIncomeLosgFromDiscontinuedOperationsNetOfTax(0) + facExitoardnary/itemsOftnomeExpenseNetOfTax(0))
FAC_CONSISTENCY_18	fac:NetIncomeLoss = (fac:NetIncomeLossAttributableToParent + fac:NetIncomeLossAttributableToNoncontrollingInterest)	X	fac:TetIncomei.oss[us-gap:Profit.oss[497,000]] = (fac:NetIncomei.ossAttributableToPurent[497,000] + fac:TetIncomei.ossAttributableToPurent[0])
FAC_CONSISTENCY_19	fac:HetIncomeLossAvailableToCommonStockholdersBasic = (fac:HetIncomeLossAttributableToParent - fac:PreferredStockDvidendsAndOtherAdjustments)	×	factletincomel.ossAvalableTisCommonStochholdersBasic[us-gasp1letincomel.ossAvalableTisCommonStochholdersBasic[497,000]] = (factletincomel.ossAttributableTisFarent[497,000] - factheferedStockDivderdsAndOtherAdjustments[0])
FAC_CONSISTENCY_2	fac:Assets = fac:LiabilitiesAndEquity	1	fac:Assets[us-gaap:Assets[562,518,000]] = fac:LiabilitiesAndEquity[us-gaap:LiabilitiesAndStockholdersEquity[562,518,000]]
FAC_CONSISTENCY_20	fac:ComprehensiveIncomeLoss = (fac:ComprehensiveIncomeLossAttributableToParent + fac:ComprehensiveIncomeLossAttributableToNoncontrollingInterest)	×	fac:ComprehensiveIncomet.oss[470,000] = (fac:ComprehensiveIncomet.ossAttributableToParent[us-gaap:ComprehensiveIncomet.etoPTas[470,000]] + fac:ComprehensiveIncomet.ossAttributableToParent[0])
FAC_CONSISTENCY_21	fac:ComprehensiveIncomeLoss = (fac:NetIncomeLoss + fac:OtherComprehensiveIncomeLoss)	x	fac:ComprehensiveIncomet.oss[400,000] = (fac:NetIncomet.oss[as:gaag=Profit.oss[407,000]] + fac:OtherComprehensiveIncomet.oss[as:gaag=Profit.oss[407,000]])
FAC_CONSISTENCY_27	fac:InterestIncomeExpenseOperatingNet = (fac:InterestAndDividendIncomeOperating - fac:InterestExpenseOperating)	×.	fsc:interestRoomSpensoQperstripts[ig=spacinterestRoomExpensate[8,212,000]] = (fsc:interestAndDividendIncomeOperating[is-gaap:InterestAndDividendIncomeOperating[9,970,000]] - fsc:InterestRoomSpensoQperstripts_uniterestRoomExpensite(18,212,000]] = (fsc:InterestAndDividendIncomeOperating[is-gaap:InterestRoomExpensor})
FAC_CONSISTENCY_28	fac:InterestIncomeExpenseAfterProvisionForLosses = (fac:InterestIncomeExpenseOperatingNet - fac:ProvisionForLoanLeaseAndOtherLosses)		(aclineresticones:perseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfter?noisorForces.forcessig.orgapicates:striconeSuperseAfter?noisorForcessig.orgapicates:striconeSuperseAfte
FAC_CONSISTENCY_48	fac:IncomeLossFromContinuingOperationsBeforeTax = { fac:InterestIncomeExpenseAfterProvisionForLosses + fac:NoninterestIncome - fac:NoninterestExpense }	×	facitored softwarfunctionersistender (as (a.g. apaparlament as francostrian) per atomisfer al come? as adversing interestination of the softwarfunction of the s
FAC_CONSISTENCY_5	fac:LiabilitiesAndEquity = (fac:Liabilities + fac:CommitmentsAndContingencies + fac:TemporaryEquity + fac:Equity)	×	fac:LabibleseAndEquiry(us-gapax)LabibleseAndBo AndBoeA
FAC_CONSISTENCY_50	fac:NetCashFlow = (fac:NetCashFlowContinuing + fac:NetCashFlowDiscontinued + fac:ExchangeGainsLosses)	×	fac3letCahFlow[us_gaap:CahAndCashEquivalentsPeriodIncreaseDecrease[2,820,000]] = (facNetCahFlowContinuing[2,820,000] + fac2letCahFlowContinuing[0,820,000] + fac2letCahFlowContinuing[0,
FAC_CONSISTENCY_6	fac:hetCashFlow=(fac:hetCashFlowFromOperatingActivities + fac:NetCashFlowFromInvestingActivities + fac:NetCashFlowFromFinancingActivities + fac:ExchangeGanisLoses)	×	factileCad/flow/ip-gaapsCadhedCadrBquiveEndbroadbroeadDerael(2,820,000)] = (factileCad/FlowFromOperatogActivites(4,224,000) + factileCad/FlowFromTreadrogActivites(11,150,000) + facEixtrangGenet.come(0)) + factileCad/FlowFromTreadrogActivites(11,150,000) + facEixtrangGenet.come(0))
FAC_CONSISTENCY_7	factNetCashFlowFromtnuing = (factNetCashFlowFromOperatingActivitiesContinuing + factNetCashFlowFromTinvestingActivitiesContinuing + factNetCashFlowFromTinuncingActivitiesContinuing)	×	factleteatFiveCenturg[2,820,000] = {factletEatFiveFiveFiveFiveFiveFiveFiveFiveFiveFive
FAC_CONSISTENCY_8	fac:HetCashFlowDiscontinued = { fac:HetCashFlowFromOperatingActivitiesDiscontinued + fac:NetCashFlowFromTrivestingActivitiesDiscontinued + fac:NetCashFlowFromTrivencingActivitiesDiscontinued }	×	facHetCad/FoxDiscontinued[0] = (facHetCad/FoxFoxDiscontinued[0] + facHetCad/FoxFoxTinuestingActivitesDiscontinued[0] + facHetCad/FoxFoxFinancingActivitesDiscontinued[0] +
FAC_CONSISTENCY_9	fac:NetCashFlowFromOperatingActivities = (fac:NetCashFlowFromOperatingActivitiesContinuing + fac:NetCashFlowFromOperatingActivitiesOiscontinued)	×	fachetCadPlowForoOperatropActivites[4,224,000] - (fachetCadPlowForoOperatropActivitesContinung[argap/letCadPlowforoOperatropActivitesContinungOperators[4,224,000]] + fachetCadPlowForoOperatropActivitesDocontinues[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.

Properces FAC Instance (mgyr-20160331.xml) FAC Validation Result Taxonomy (mgyr-20160331.xsd) FAC Taxonomy Instance (mgyr-20160331.xml) Test Result Evaluation

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

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File Home Business Rules Op	otions and Preferences Tools V	liew	Debugging	Analy	sis Win	dows	Help				•
New Open Print Save Run Valdar	All XBRL Syntax Model EFF tions * Structure * Report Valida	M Ru	les Fundam Accounting C Status	ental oncepts	To Do • List •	Re Prope	eport erties *	XBRL-ba compan reports in th Repo	ased public by financial US GAAP to e SEC ort Profile	Applic	iewer
	(mar 20160221 ml)	ACT	20	160221				na over televere	Devil		
Components	axonomy (mgyr-20160331.xsd)	ACI	ristance (ingyr-20	100221	xmi) ^ [-AC Taxo	nomy	FAC Validation	h Result		
		-1	Dynamic Rende	ring	Model Strue	ture	Fact Tal	ble	Business Rules S	Structure	Business Rule
Filter Type Filter Level	Filter Status		Component: (r	etwor	Cand Table	e) ment-Ge	neral Info	rmation			
2			Table		General Inf	ormation	[Table]				
Enter text to filter			Described Fault					000100		1	2714
) Network	Table	-11	Reporting Entit	y [Axis]				000133	7068 http://www	.sec.gov/(JIK
001-General Information	General Information [Table]							Period [[Axis] 🛛 🔻		
102-Balance Sheet, Unclassified	Balance Sheet, Unclassified [Table]		General Inform	ation [L	ne Items]			2015	-10-01/2016-03-3	31	
205. 1-Income Statement, Interest	Income Statement, Interest Based		General Infor	mation	[Hierarchy	/]					-
211-Net Income (Loss) Breakdown	Net Income (Loss) Breakdown [Table]		Entity Registran	t Name				Magyar	Bancorp, Inc.		
212-Net Income (Loss) Available to	Net Income (Loss) Available to Commo	n	Entity Central Ir	ndex Ke	/			000133	7068		
Common Breakdown	Breakdown [Table]		Entity Filer Cate	gory				Smaller	Reporting Compa	iny	•
301-Statement of Comprehensive Income	Statement of Comprehensive Income (Loss) [Table]		Trading Symbol					0			
311-Comprehensive Income (Loss) Breakdown	Comprehensive Income (Loss) Breakdown [Table]	Comprehensive Income (Loss)		Fiscal Year Focus					2016		
401-Cash Flow Statement	Cash Flow Statement [Table]		Fiscal Period Focus					Q2	02		
411.1-Net Cash Flow Breakdown	Net Cash Flow Breakdown [Table]		Document Type					10-Q			
420.1-Continuing and Discontinued Net	Cash Flow Statement [Table]		Balance Sheet Date 2016-03-31					3-31		•	
Casil Flow breakdown											
Network	001-Conoral Information										
▶ Table	General Information [Table]										1
Туре	Document										
Level	UNKNOWN										1
Status (of Component)	InProgress										
+ Disclosure	-				_						
States and a subsection of the local division of the local divisio	and the second secon			-		-		and the second s	deserves and		

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.

Instance (mgyr-20160331.xml) T	axonomy (mgyr-20160331.xsd) FAC	Instance (mgyr-20160331	.xml) × FAC Taxonomy FAC	Validation Result					
Components		Dynamic Rendering	Model Structure Fact Table	Business Rules Struct	ure Business Rules				
Filter Type 🔹 Filter Level	▼ Filter Status ▼	Component: (Networ	k and Table)						
		Network	205.1 - Document - Income Stateme	ent, Interest Based Revenue	s 1				
Enter text to filter		Table	Table Income Statement, Interest Based Revenues [Table]						
		Reporting Entity [Axis]	Reporting Entity [Axis] 0001337068 http://www.sec.gov/CIK						
Network	Table								
001-General Information	General Information [Table]			Period [Axis]					
102-Balance Sheet, Unclassified	Balance Sheet, Unclassified [Table]	Income Statement [Lin	ne Itemsj	2015-10-01/2016-03-31	7				
205. 1-Income Statement, Interest Based Revenues	Income Statement, Interest Based Revenues [Table]	Net Income (Loss) [Roll Up] Continuing Operations After Tax		•				
211-Net Income (Loss) Breakdown	Net Income (Loss) Breakdown [Table]	[Roll Up]	continuing operations arter tax		•				
212-Net Income (Loss) Available to Common Breakdown	Net Income (Loss) Available to Common Breakdown [Table]	Income (Loss) from [Roll Up]	Continuing Operations Before Tax						
301-Statement of Comprehensive Income	Statement of Comprehensive Income (Loss) [Table]	Interest Income (Ex [Roll Up]	pense), After Provision for Losses						
311-Comprehensive Income (Loss)	Comprehensive Income (Loss)	Interest Income (Ex	pense), Net [Roll Up]		Computation				
Breakdown	Breakdown [Table]	Interest and Dividend I	ncome, Operating	9,970,000	does not foo				
401-Cash Flow Statement	Cash Flow Statement [Table]	Interest Expense, Oper	ating	1,758,000					
411. 1-Net Cash Flow Breakdown	Net Cash Flow Breakdown [Table]	Inter	rest Income (Expense), Operating, Net	8,212,000					
Cash Flow Breakdown	Cash Flow Statement [Table]	Provision for Loan, Lea	se, and Other Losses	468,000	// 7				
		Inte	erest Income (Expense) After Provision	7 743 000	//				
		Noninterest Income	for Losses	111 10/000	- 3				
Network	205.1-Income Statement, Interest B	Noninterest Expanse		1,063,000	•				
Table	Income Statement. Interest Based R	Noninterest Expense	la (Lass) from Continuing Operations	8,024,000					
Typ Fact Characteristics and Prope	rties	_ O X	Before Tax	782,000					
Lev Properties Occurrences	Provenance		nefit)	295,000	1				
Stal Froper des Occurrences	dothad asso fue as a fue site fad as to		e (Loss) from Continuing Operations	487.000	•				
468,000]]	nuomercosses (us-gaapterovisionForLoanLe	easeAndOtherLosses[After Tax	.37,000	1				
			Net Income (Loss)	0					
			Net Income (Loss)	487,000	2				
Fact origin:					>				
1 us-gaap:Provisio	nForLoanLeaseAndOtherLosses	468,000			7				
2 us-gaap:Provisio	nForLoanAndLeaseLosses	469,000			4				
3 us-gaap:Provisio	nForLoanLossesExpensed	-	Proven	ance tab	•				
			shows th	a origin of					
			shows th		_				
Conflicting / cont	tradictory		the fact	returned					
values									
	and the second second	And and the			and the second				

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.

🖻 🚔 🗒	ን 🚈 - 💩 -	Ŧ				Instance (mg	yr-20160331	.xml) - Pess	eract						- 8	23
File Hom	e Business Rules	Options and Preferences	Tools	View Debugging	Analys	is Windows	s Help							۵	Yellow	-
× Provision	nForLoanLe Sear	ch Explore Report Properties	View R Tax	Referenced Report Prop conomies (XBRL Syn Technical	erties / tax) M	Additional D etadata - Ter Inf	isclosure mplates *	Taxonomy								
Z Instance (r	ngyr-20160331.xml)	× Taxonomy (mgyr-2016033	.xsd)	FAC Instance (mgyr	·20160331.x	ml) FAC	Taxonomy	FAC Va	lidation Result							-
Comporten	ts			Rendering	Model Str	ucture F	Fact Table	E	lusiness Rules Structure	Business Rule	es Ed 🔍)	Search	Result		_	X
Filter Type	Filter Lev	vel 💌 Filter Status	-	Component: (Netwo Network	ork and Tab 007 - Stat	ole) Conso	lidated Stat	tements of	f Cash Flows			Report	: Elements	lassas		-
Enter te	xt to filte		-	Table	-	labid		1					Provision for loa	105565		
ges	Network	Table		Reporting Entity [Axi	i]			00013370	68 http://www.sec.gov,	/CIK						
001 - Docu	ment - Document	Statement [Table]						Period [Av	is] 🍸 🔻							
Entity Info	rmation			Implied [Line Items]	_			2015-:	10-01/2016-03-31	2014-10-01/2	2015-03-31					
002 - State Balance Sh	eets Select	the "Instance" tab	=	Consolidated State	ments of C	ash Flows (At	ostract]									
003 - State	ement - C to sea	rch that document.		Operating activitie	5											
Balance Sh	eets (Parenthetical)			Net income					487,000		329,000					
Statement	s of Operations	Implied [Lapie]		Adjustment to reco	ncile net ir	come to net	cash									
005 - State	ment - Consolidated	Implied [Table]		Depreciation expense	ing activiti	es			379.000		445.000					
Statement	s of Comprehensive			Premium amortization	on investm	ent securities, r	net		96.000		146.000					
006 - State	ement - Consolidated	Statement [Table]		Provision for loan los				468,000		590,000	Search results Double					
Statement	s of Changes in rs' Equity			Provision for loss on other real estate owner					270,000		25,000	Click to pavigate to fact			JDIE	
007 - State	ment - Consolidated	Implied [Table]		Proceeds from the sales of loans				3,040,000		4,441,000		with this concept in				
Statement	s of Cash Flows			a. 1.0					(326,000)				, indi	report.		
101 - Discle	osure - BASIS OF	Implied [Table]		Report Element Prop	erties					83	(42,000)	Topor.				/
102 - Disch	osure - RECENT	Implied [Table]		Properties Labe	ls Referer	nces Occurren	nces				(43,000)					
ACCOUNT	NG			Report Stand	ard Label	Provision					53,000					
103 - Direl		Implied [Table]		Base Standar	Label	Provision for I	Loan, Lease,	and Other I	Losses		9,000					
CONTINGE	NCIES	Induct [Labic]		Documentatio	n	Amount of ex	kpense relate	d loan trans	actions, lease transaction	ons, credit loss	195,000					
104 - Discle	osure - EARNINGS PER	Implied [Table]	Ŧ			from transact	tions other th	han loan and	l lease transactions, and	d other loss	(26,000)					
> Netwo	rk	007 - Statement - Consolidat	ed be			account to th	eir net realiz	able value.	cy nom are counterpare	, to reduce the	(153,000)					
> Table		Implied [Table]									(80,000)					
Туре		Statement		Class		[Concept] Mo	netary				(36,000)					
Level	(-(UNKNOWN		Prefix		us-gaap					(757,000)					
Disclos	(or component)	InProgress		Balance Type		Debit					4,771,000					
+ Disclos	uic			Period Type		For Period (du	uration)									
				Data Type		Monetary (xb	orli:monetary]	ItemType)	the state of the s		100.000)	1				
Message Lis	st Console			ID		us-gaap Prov	/isionForLoan	LeaseAndO	therLosses							
Loading was succ	essful: please see mes	sages as there are errors/warni	igs.			us gaap_riot	VISIONE OF LOGIN	inconcernitio								

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

Fact Characteristics and Properties 🛛 🕅											
Properties	Occurrences	Provenance									
[fac:ProvisionForLoanLeaseAndOtherLosses[us-gaap:ProvisionForLoanLeaseAndOtherLosses] 468,000]]											
Fact origin:											
1	us-gaap:Provisio	nForLoanLease	AndOtherLosses	468,000							
2	us-gaap:Provisio	nForLoanAndLe	easeLosses	469,000							
3	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:



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 XBRLbased 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 X FAC Taxonomy FAC Validation Result												
Components		Rendering Model Structure Fact Table	Business Rules Structure Business Rules Elements									
Filter Type 🔹 Filter Level	✓ Filter Status ✓	Component: (Network and Table)										
		Network 205.1 - Document - Income Stateme	nt, Interest Based Revenues									
Enter text to filter	-	The The Statement, Interest based Key	venues [i abrej									
		Reporting Entity [Axis]	0001337068 http://www.sec.go	//CIK	Ÿ							
Network	Table		Period fAvial									
001-General Information	General Information [Table]	Income Statement [Line Items]	2015 10 01/2015 02 21	2015 10 01/2015 12 21	2014 10 01/2015 02 20	2014 10 01/2015 05 20	2014 10 01/2015 02 21					
102-Balance Sheet, Undassified	Balance Sheet, Unclassified [Table]		2015-10-01/2016-03-51	2015-10-01/2015-12-51	2014-10-01/2015-09-50	2014-10-01/2015-06-50	2014-10-01/2015-03-31					
205.1-Income Statement, Interest Based Revenues	Revenues [Table]	Net Income (Loss) [Roll Up]						- T				
211-Net Income (Loss) Breakdown	Net Income (Loss) Breakdown [Table]	[Roll Up]						1				
212-Net Income (Loss) Available to Common Breakdown Breakdown [Table]		Income (Loss) from Continuing Operations Before Tax [Roll Up]						- 2				
301-Statement of Comprehensive Statement of Comprehensive Income (Loss) [Table]		Interest Income (Expense), After Provision for Losses [Roll Up]						- 1				
311-Comprehensive Income (Loss) Breakdown Breakdown [Table]		Interest Income (Expense), Net [Roll Up]]				
		Interest and Dividend Income, Operating	9,970,000	5,002,000	19,437,000	14,429,000	9,588,000					
401-Cash Flow Statement	Cash Flow Statement [Table]	Interest Expense, Operating	1,758,000	892,000	3,196,000	2,357,000	1,579,000					
411.1-Net Cash How Breakdown	Net Cash Flow Breakdown [Table]	Interest Income (Expense), Operating, Net	8,212,000	4,110,000	16,241,000	12,072,000	8,009,000	•				
420.1-Continuing and Discontinued Net Cash Flow Breakdown	Cash Flow Statement [Table]	Provision for Loan, Lease, and Other Losses	468,000	178,000	1,264,000	936,000	590,000	1				
		Interest Income (Expense) After Provision for Losses	7,743,000	3,932,000	14,977,000	11,136,000	7,419,000					
Network	205 4 James Chalemark Talanak D	Noninterest Income	1,063,000	621,000	1,990,000	0	0	•				
Table	205.1-Income Statement, Interest B	Noninterest Expense	8,024,000	4,051,000	15,657,000	0	0					
Туре	Document	Income (Loss) from Continuing Operations	782,000	502,000	1,310,000	817,000	453,000					
Level	UNKNOWN	Income Tax Expense (Benefit)	295,000	193,000	413,000	243.000	124,000	•				
Status (of Component)	InProgress	Income (Loss) from Continuing Operations	407,000	202,000	007,000	574.000	220,000					
+ Disclosure		After Tax	487,000	309,000	897,000	574,000	329,000	_				
		Income (Loss) from Discontinued Operations, Net of Tax	0	0	0	0	0	- 1				
		Net Income (Loss)	487,000	309,000	897,000	574,000	329,000	•				
						المناهد		. 1				
State of the second	and the second secon		▰┈┛┛	<u>᠃</u> ᢪ᠁	,	var vara tar a		-7				

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.



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.

w comparis	ion 23
	Browse
1	Filename
	http://www.sec.gov/Archives/edgar/data/1337068/000117494716002678/mgyr-20160331.xml
1	http://www.sec.gov/Archives/edgar/data/1576336/000110465916120688/ajsb-20160331.xml
V	http://www.sec.gov/Archives/edgar/data/1390312/000110465916121296/bkj-20160331.xml
V	http://www.sec.gov/Archives/edgar/data/1515069/000143774916031367/crol-20160331.xml
1	http://www.sec.gov/Archives/edgar/data/354869/000035486916000073/fmer-20160331.xml
	OK Cancel Clear

First, note that five different entities are loaded:

Network	001 - Document - General Inform	ation									
Table	General Information [Table]										
Drop Filter Fields k	Hara										
Drop Filter Fields F	nere										
	Period [Axis] 🔻 Reporting Entity [Axis] 🔺										
			2016-01-0	1/2016-03-31		2015-10-01/2016-03-31					
General Informati	ion [Line Items]	0000354869 http://	0001390312 http://	0001515069 http://	0001576336 http://	0001337068 http://					
C 1 - (- Kan full-secolar	www.sec.gov/CIK	www.sec.gov/CIK	www.sec.gov/CIK	www.sec.gov/CIK	www.sec.gov/CIK					
General Informa	ation [Hierarchy]										
Entity Registrant N	Name	FIRSTMERIT CORP /OH/	Bancorp of New Jersey, Inc.	Carroll Bancorp, Inc.	AJS Bancorp, Inc.	Magyar Bancorp, Inc.					
Entity Central Inde	ex Key	0000354869	0001390312	0001515069	0001576336	0001337068					
Entity Filer Catego	ory	Large Accelerated Filer	Smaller Reporting Company	Smaller Reporting Company	Smaller Reporting Company	Smaller Reporting Company					
Trading Symbol		0	0	crol	0	0					
Fiscal Year End		12-31	12-31	12-31	12-31	09-30					
Fiscal Year Focus		2016	2016	2016	2016	2016					
Fiscal Period Focu:	IS	Q1	Q1	Q1	Q1	Q2					
Document Type		10-Q	10-Q	10-Q	10-Q	10-Q					
Balance Sheet Dat	te	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:

Table Incom	e Statement, Interest Based Rev	venues [Table]				
Drop Filter Fields Here						
		Period [Axis] 📼 Reporting E	Intity [Axis]			
			2016-01-01/2	2016-03-31		2015-10-01/2016-03-31
Income Statement [Line Item:	5]	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)]			5.,		
Income (Loss) from Contin [Roll Up]	uing Operations After Tax					
Income (Loss) from Contin [Roll Up]	uing Operations Before Tax					
Interest Income (Expense) [Roll Up]	, After Provision for Losses					
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 Inc	ome (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 In	come (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 (Lo	ss) 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 (Lo	ss) from Continuing Operations After Tax	54,136,000	1,292,000	69,844	172,000	487,000
Income (Loss) from Discontinu	ed 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	23		Fact Characteristics and Properties						
Properties Occurrences Provenance			Properties Occurrences Provenance						
[fac:ProvisionForLoanLeaseAndOtherLosses[us-gaap:ProvisionForLoanLeaseAr 7,809,000]]	ndOtherLosses[🔺		fac:ProvisionForLoanLeaseAndOtherLosses[us-gaap:ProvisionForLoanAndLea 300,000]]	seLosses[
Fact origin:		Fact origin:							
1 us-gaap:ProvisionForLoanLeaseAndOtherLosses	7,809,000		1 us-gaap:ProvisionForLoanLeaseAndOtherLosses	-					
2 us-gaap:ProvisionForLoanAndLeaseLosses	7,809,000		2 us-gaap:ProvisionForLoanAndLeaseLosses	300,000					
3 us-gaap:ProvisionForLoanLossesExpensed	-		3 us-gaap:ProvisionForLoanLossesExpensed	-					

Fact Characteristics and Properties 🛛			Fact Characteristics and Properties	23	
Properties Occurrences Provenance			Properties Occurrences Provenance		
fac:ProvisionForLoanLeaseAndOtherLosses[us-gaap:ProvisionForLoanAndLeaseLosses[30, 166]]			[fac:ProvisionForLoanLeaseAndOtherLosses[us-gaap:ProvisionForLoanAndLeas (60,000)]]	seLosses[
Fact origin:			Fact origin:		
1 us-gaap:ProvisionForLoanLeaseAndOtherLosses	-		1 us-gaap:ProvisionForLoanLeaseAndOtherLosses	-	
2 us-gaap:ProvisionForLoanAndLeaseLosses	30,166		2 us-gaap:ProvisionForLoanAndLeaseLosses	(60,000)	
3 us-gaap:ProvisionForLoanLossesExpensed	-		3 us-gaap:ProvisionForLoanLossesExpensed	-	

Fa	Fact Characteristics and Properties							
	Properties	Occurrences	Provenance					
fac:ProvisionForLoanLeaseAndOtherLosses[us-gaap:ProvisionForLoanLeaseAndOtherLosses[468,000]]								
Fact origin:								
	1	us-gaap:ProvisionForLoanLeaseAndOtherLosses 468,000						
Г	2	us-gaap:ProvisionForLoanAndLeaseLosses						
Γ	3	us-gaap:Provisio	-					