



CEO SCHOOL

A Day of Mentoring and Coaching around Using CU*BASE Tools



What is CEO School?

WE ARE ALL COOPERATIVE BUSINESS DESIGNERS

- □ Why has CEO School become a tradition at CU*Answers?
- With the expansion of our network, we have more talented CEOs than ever, and the value put on collaborative efforts is at an all time high
- CEOs need to develop networks where they can coach and mentor each other from the unique position of being a CEO
- More than ever, today's CEO is expected to be engaged with technology and the concepts of data mining, opportunity demographics, and being plugged in
- CEOs wear more than one hat, and CEO School is a safe training environment



Today's Agenda

Data 2016: Behind the Firewall

What is available in CU*BASE? Where will our data analytics focus be for people who use CU*BASE? Data 2016: Out in the Open, Extended for the World to See

Extending the value of credit union data beyond the CU*BASE login

Building a Collaborative Bench of Data Analysts

Launching a project to crack the riddle that seems to challenge every organization: What to do next with all the data available to us?

Data 2016: Behind the Firewall

What is available in CU*BASE? Where will our data analytics focus be for people who use CU*BASE?

Before CU Employee Push the Buttons, a Leader Must Push Theirs

ARE YOU BUILDING A CULTURE DRIVEN BY DATA AWARENESS?

Actionable

Analysis with an expected outcome: I will act

- Before you ask for data, before you read a report, before you hear a proposal for action, you already anticipate doing something
- Data is not just noise to you

You're here to commit to action by knowing what is possible

Analytical

The ability to analyze: A budgeted commitment

You've prioritized analysis, put some of your best thinkers on the project, budgeted time and cash to the project, and you're determined to get an ROI on the data work you do

> How could CU*Answers build a collaborative investment for analysis?

Approach

A manner in which a problem is solved: A plan

- You've made a commitment to yourself and your Board that this is a management priority and approach
- You've sold it as one of your talents

Why we're all here: to share and exchange plans in the hope that a group of thinkers is better than one

A Leader Must Connect the Dots

PROCESS VISION EMBEDDED IN HELP

- The "Building the Factory" documents help you complete the ASAP process with each CU*BASE dashboard
 - Ask a targeted question
 - See the potential members to contact
 - Act on the potential with intent: the message with the method
 - Profit (you're on your own here)



A Leader Must Prepare a Team for the Stage

STEER THE DEBATE BASED ON WHAT YOU KNOW

- Where are you on the evolution of data presentation in your operation?
 - We've gone from print, to on-screen presentation, to delivering PDFs...and today we're discussing web presentations
 - Are you maximizing all of your options? With your staff? With your senior team?
 - Can you move data directly to your board and the everyday customer-owner?





PDF

Who at your credit union has a graphical eye that could add to the development effort focused on presenting data to win?

A Leader Should Know Why We Do the Work

WHEN GATHERING DATA IS MORE IMPORTANT THAN KNOWING THE DATA, YOU'RE OFF THE MARK

To comply with archival regulations and best practices

To validate and affirm the results of our efforts

- To present to examiners and Board members and create a corporate record
- To present to management and use in performance analysis (staff)
- To comply with third-party obligations such as the 5300

To analyze and calculate adjustments to our plans and futures

- Know our member and make adjustments to keep their attention
- Know our operations and make adjustments to build an effective factory
- Know our identity and validate the response to who you think you are
- Know our plan through verifying the hypothesis and the hopeful outcome



When was the last time you really challenged your ROI on these activities and your effectiveness around crafting designs and planning data-related tactics?

A Leader Should Know Why We Do the Work

CAN YOU LINK A JOB DESCRIPTION WITH A TOOL TO GET THE JOB DONE?

70 dashboards and counting...here are some of my favorites:

Dashboard	Purpose of Dashboard
EFT Portfolio Dashboard	Analyze your credit card data for active and inactive credit cards. Then drill down further to see trends for selected members
Credit Report Data Mining	Analyze your member's credit score data (by all credit scores and most recent score).
Loan Portfolio Concentration Risk	Analyze risk across your entire loan portfolio – do you have the right number of eggs, in the right baskets?
New/Closed Membership Dashboard	Analyze your memberships in over 50 different ways to use as a springboard to evaluate credit union policy
Targeted Tiered Score Analysis	View a side-by-side comparison of how a selected group of members score in Tiered Services versus your general membership
Account Retention by Year Opened	View account retention data by the year the account way opened
Where Your Members Shop	Analyze where your members spend their money, by transaction description and retailer name

CU*BASE® Leadership Dashboards Bask disancounts iter you seep a close eye on every area of your creat union to h hobust grephal bools that help to clarify your massage and give it punch. Or riked with an esterisk (*) below, citck the tool to generate a high-quality PDP nalyze 5300 Call Report ratios for the period View the activity of your ATM terr determine usage Analyze all transmi posted to member accourt Review a complete collection delinquency pipeline Use this trending tool to bursement progress Analyze your member's credit score data (by all ci Use this to create a segment of members to co credit score history and to analyze all members

cards. and alance essed .

EFT Portfolio Dach

How Do You Determine Who Will Engage Your Data?

IS IT YOU? GENERAL TEAM MEMBERS IN THEIR DAILY ROLES? OR SPECIALISTS?

- CEO School is about raising your awareness about the tools that are available to your organization and business plan
- Engaging these tools requires that you be the catalyst to action
 - Direct assignment...why are there so few employees with access to these commands?
 - Asking questions that force the tools to be used...why do we see such infrequent use of these features?
 - Changing processes to make people find new solutions...why do we see people continuing to pay us for Queries that have dashboard counterparts?
 - Requiring brainstorming sessions to use CU*BASE presentation tools...why do we see so many people asking the same questions over and over, and promising more research will be presented "at the next meeting"?



You are the catalyst to culture change, but it takes the initiative to force your organization to develop the muscle memory to default to data, to default to automated tools...can you do it?

You Can't Talk Data Without Thinking About Security

ARE YOU READY TO LEAD WHEN IT COMES TO CYBERSECURITY RISKS?





The centerpiece of this new web page is our "Cybersecurity Literacy for Credit Union Directors" video. This **FREE** video is

available to clients and non-clients alike and board understand better the basics of cybers

Cybersecurity **Talkina** Points Questions Every CEO Should Know How to Answ Every GEO needs an elevator speech about their organization's thinking on cybersecuity. It's no ion enough to say, 'That's for my tech people: I don't know much about it myself." That implies you have wopea an approach to it, that it has no prostategic minking. Cybersecurity ts on cybersecurity and prepa What does it mean to the CU industry today? February 2015 Poor network Insufficient tra Social engine Your answer: Which organizations v you and your staff on t cybersecurity and affo minimize them? Sense and CU*Answer MS-ISAC Your answer **Reliability:** wolves the effort Do we have the right approach to risk management for our future – especially when it comes to cybersecurity? What are some of the resources for cyberse training? • GIAC • ISACA • Knowbe4 • SANS CLIANSWER

http://www.cuanswers.com/resources/cybersecurity/



Insider Dashboards

Dashboards for trusted individuals Blending analytical insights with the private member data needed to get the job done

Insider Dashboards

A NOVELTY THAT HAS BECOME AN EXPECTATION

Our standard for CU*BASE dashboards:

- Select a group of records with something in common to analyze (loan apps processed between Oct 1 & 31, members who joined the CU last year, checking accounts opened last month, etc.)
- The user is presented with a series of options to work with each of these records, one at a time (approve the app, send TIS disclosures, order a debit card, etc.)
- 3. The user is presented with a set of analyses that take the selected records and show as many pertinent facts as possible about that batch (# of apps pending, # of members who joined by age or gender, checking accounts opened by a specific employee, etc.)
- Step 1 is like a report, Step 3 is like the totals or summary section on a report, but Step 2 creates a unique palette of opportunity to work and analyze at the same time

A.A.A. Moment

Embedded in these dashboards is the ability to go **active**, right now, every time...and all you have to do is plan to do so

Have you created a communication manager and assigned them regular dashboard activities to ensure a low-cost reach-out to your members?



One Stop Shopping for Management Tools

LOGIN > #4 CU MANAGEMENT PROCESSING



Session 0 CU*BASE GOLD Edition - ABC CREDIT UNION

Management Analysis Dashboards 1

Leadership Dashboards

1 = 5300 Call Report Ratios Dashbrd

File Edit Tools Help

5300 Call Report Tools

ACH/Payroll Processing Audit Misc. Configurati

My Menus

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Search for

16 Financial Statement Review

15 * Fee Income/Waiver/Refund Dashbrd

14

Management Processing/Active Beta Tests Menu



29 🔆 Leadership Dashboards

Loan Quoter

30 🔆 CU Management Functions

Menu option

Change Printer Outqueue Close Memberships/Accts

Collateral - VIN# Lookup

Collection Processing

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15 What's Cooking in the Kitchen

🛠 Custom Menu

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Main Menu 22

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Management Analysis Dashboards 1 Menu

Management A	nalysis Dashboards 1	Search for
My Menus	Leadership Dashboards	MPROVED 15 🔆 Fee Income/Waiver/Refund Dashbrd
5300 Call Report Tools ACH/Payroll Processing	1 🗧 5300 Call Report Ratios Dashbrd	16 Financial Statement Review
Audit Misc. Configurations	2 🔹 All Accounts Analysis Dashboard	17 Ln Portfolio Concentration Risk
Back Office	3 🗧 All Memberships Analysis Dashbrd	18 🗧 Ln Write-off/Charge-off History
Card Configurations Check Processing	4 ARU/Online Banking Stats Dashbrd	19 🗧 Loan App Monthly Stats Comparisn
Check/ATM Processing	5 ATM Network/Terminal Activity	20 Loan Concentration Risk by Mbr
Collection Processing Configuration Functions	💀 6 🛧 Budget Review/Analysis	21 Loan Queue Activity Tracking
CU*BASE Main Menu 👻	7 Check Processing Stats Dashboard	NEW 22 🔆 Loan Payments Analysis
My Shortcuts	8 Collections Dashboard/Summary	23 E Loan Risk Score Analysis
Account Maintenance NE Acct Adjustment (Coded)	9 🛠 Common Bonds for Any Mbr Group	24 Ecan/Share Trial Bal. Review
Acct Adjustment (Full)	10 Contingent Liability Analysis	25 Membership Summary Comparison
Add Club Members ATM Check Digit Calc	11 Credit Report Data Mining	NEW 26 🛠 Net Relationships Dashboard
Calc Number of Days	12 🛠 Credit Score History Dashboard	27 NSF Statistics Dashboard
Calculate Check Digit Change Printer Outqueue	🖷 13 🔸 Cross Sales Analysis Dashboard	
Close Memberships/Accts	14 EFT Portfolio Dashboard	29 🔸 More dashboards >>>

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🛠 Custom Menu

💰 Loan Quoter

📅 Main Menu

Management Analysis Dashboards 2 Menu



"Know Your Member" Analysis Tools Menu



Menu option

Inquiry

🛠 Custom Menu

Budgeting Tools Menu



🛠 Custom Menu

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Loan Quoter

Main Menu

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Menu option

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Inquiry

Budgeting Research Tools: A New Kind of Analytics

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Session 0 CU*BASE GOLD -	Balance Comparison Selection			2013		2014		2015	i
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	Average change			1,815,517.66	2,189,017.10				
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20	Average change Low balance	99,449,262.12 123,223,860.02	124,786,154.29 153,214,898.74						

Budgeting Research Tools: A New Kind of Analytics

	Session 0 CU	J*BASE GOLD - ABC CREDIT UNI	ION				- • 💌		
	File Edit Too	bls Help							
	Researc	ch History For A	ssumption Ideas						
	Rebeure						Budge	ting Tools Me	enu (MNBUDG):
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Session 0 CUINDASE C	OLD - Research History For Assur	Ur Or	n the drawing board:		ar	Dec YE Balance	% Change	Net Change	
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G/L account	ଷ		confusing "current	Q	2013	1,550,797	16.1	215,375	
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		PH (3033)		Q	2008	1,944,257	38.1	536,573	
				Q,	2007	1,407,684	18.6-	322,348-	
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				ଭ୍	2005	1,956,305	1.2-	24,450-	
24						urrent Partial Year (Most Re			
21				Q	2015	2,277,583	11.5	234,755	

Budgeting Research Tools: A New Kind of Analytics

Session 0 CU*BASE GOLD - ABC CREDIT UNION

File Edit Tools Help

Current Portfolio

Budgeting Tools Menu (MNBUDG): **Analyze Current Loan Portfolio**



On the drawing board and coming soon: Savings Portfolio and Certificate Portfolio

GL Acct 22

Members

2,111 🔍 🎤

125 🔍 🎤

75 🔍 🎤

46 🔍 🎤

0, 10 4 🔍 🎤

66 🔍 🎤

14,985

242 Q -

Rates

146

38

15

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2

128

Will be excluding

loan account)

2

986

2,284

132

76

47

2,401

Budget Group

Current Balance

13,891,807

13,258,641

2,877,343

157,028

69,702

342,596

16,749

j2,875

478

57,111

26,822

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285,832

70,406,173

26,971,319

157,723,342

FR (5838) 10/20/15

2,261,184

264,010

308,733

Teller & Cash Analysis Tools Menu



Learn From a Peer Menu



🛠 Custom Menu

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Loan Quoter

Main Menu

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Menu option

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Inquiry

5300 Call Report Tools

Collateral - VIN# Lookup

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Collection Processing

Menu option

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Session 0 CU*BASE GOLD I	Edition - ABC CREDIT UNION	
File Edit Tools Help		
5300 Call Repo	ort Tools	Search for
My Menus	NCUA 5300 Call Reports	15 🔳 Loan Security Code Analysis
5300 Call Report Tools ACH/Payroll Processing	1 ■ Enter 5300 Call Report Data	16 Member TB Summary by GL Account
Audit Misc. Configurations	2 = 5300 Call Report Inquiry	17 🔹 Membership Analysis
Back Office	3 Qtrly Call Report Data Listing	18 NCUA Share Insurance Report
Card Configurations Check Processing	4 Call Report Configuration Rpt	19 PLI Trial Balance
	vee 5 ■ Call Report Ratios Dashboard	20 Print CU Financials
Collection Processing		21 Print Investment Maturity Report
CU*BASE Main Menu 🔻	Tools for Gathering 5300 Data	22 Print Loan Classification Report
My Shortcuts	8 All CU*Spy Reports	23 Print Share Div Config Report
Account Maintenance	9 9 ARU/Online Banking Stats Dashbrd	24 Selective Loan Information Rpt
Acct Adjustment (Coded) Acct Adjustment (Full)	10 🔹 CD Maturity Analysis	25 Trial Balance Select Information
Add Club Members ATM Check Digit Calc	11 🔹 Certificate Rate Analysis	
Calc Number of Days	12 12 Contingent Liability Analysis	
Calculate Check Digit Change Printer Outqueue	13 🔹 Loan Maturity Analysis	Additional Menus
Close Memberships/Accts	14 🔹 Loan Purpose Analysis	29 🛧 CU Management Functions

🛠 Custom Menu

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Loan Quoter

📅 Main Menu

General Ledger Menu

Session 0 CU*BASE GOLD E	dition - ABC CREDIT UNION	
File Edit Tools Help		
General Ledger		Search for
My Menus 5300 Call Report Tools ACH/Payroll Processing Audit Misc. Configurations Auditing Functions Back Office Card Configurations Check Processing Check/ATM Processing Collection Processing Configuration Functions	 General Ledger Processing 1 = Create/Post Journal Entries 2 = Chart of Accounts Maintenance 3 * Work With CU Budget 4 = Financial Report Configuration 5 = Update Change Fund Summary 6 = Update Teller Drawer Summary 	 Print Functions 16 Print CU Financials 17 Print GL Trial Balance (monthly) 18 Print GL History (daily) 19 Print GL Chart of Accounts 20 Print Financial Rpt Config 21 Print TR Analysis for Mbr Trans
CU*BASE Main Menu 👻	 7 End of Month Processing 8 Calc/Post Adjustmnt for Delq Lns 	22 Print Shared Branch Settlement Audit/Research Functions
Account Maintenance Acct Adjustment (Coded) Acct Adjustment (Full)	General Ledger Inquiries 9 Smart Operator: Daily Ops Log	 24 Audit Promise Deposits Activity 25 Research the TR Journal Entry
Add Club Members ATM Check Digit Calc Calc Number of Days Calculate Check Digit	 10 Journal History Inquiry 11 Trial Balance G/L Verification 	27 🔆 AIRES/ALM/File Downloads
Change Printer Outqueue Close Memberships/Accts Collateral - VIN# Lookup Collection Processing	 12 Vault G/L Verification 13 CU Check Disbursements 	 28 * Auditing Functions 29 * Other Back Office Functions

🛠 Custom Menu

💰 Loan Quoter

Main Menu

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Menu option

26

Back Office Menu



What's coming next?

PROJECTS CURRENTLY IN THE ANALYTICS LABORATORY

Dashboard standardization

- Common Bonds
- Exports for Member Connect and Query
- Sortable columns
- Standard filters and navigation aids

Dashboards for financial statements, other GL data

- Print income/expense budget figures on an income statement
- Print asset/liability projections on a balance sheet

Learn-From-a-Peer versions of current dashboards

Starting with the Net Relationships dashboard

Written-off/Charged-off Loans Dashboard Analysis

- Audit Board approvals
- Bankruptcy trends

List Generator Dashboard Output



What's coming next?

SHIFTING GEARS: MOVING AWAY FROM INSIDER DASHBOARDS TO NEW SOLUTIONS

□ In 2016-2017 we'll slow down on the insider dashboard projects

- This toolbox is maxing out it's time to change the focus and get more for our investments at both the CU and the CUSO level
- In 2016-2017 we will push to expand the audience for CU*BASE data by expanding user access via the web and a browser presentation
 - Will partner the insider dashboard toolkit with a new external toolkit
 - The goal is to reach more credit union stakeholders (professionals, volunteers, and even interested third parties)

In 2016-2017 we will push to expand the services related to CU*BASE data by offering a shared data analyst service

 Our community is starting to feel saturated with information, while starving for the insight that will change the future – solving this riddle must be our focus for the next few years



Data 2016: Out in the Open, Extended for the World to See

Extending the value of credit union data beyond the CU*BASE login

PHASE 1: REDEFINE THE AUDIENCE FOR CORE PROCESSING DATA

MY CU TODAY



Let's take a look at My CU Today going into 2016 and think about how this tool can expand everything you do with data...

PHASE 1: REDEFINE THE AUDIENCE FOR CORE PROCESSING DATA

MY CU TODAY

Push alerts to the people who need a trigger to act on data:

	Create a New Alert	\otimes
Credit Union	FOCUS Credit Union	
Send an alert for	Shares (\$) Balance v	
If it changes by	2.00 % -	
Compared to	One week ago v	
at the following branches	× Focus Cu - Burleigh × Focus Cu - Falls × Focus Cu - Tosa × Wauwatosa Butler Off	
Also send this alert to	× ddamstra@cuanswers.coop	
	Save Alert Cance	

Invite people to a warehouse of data to see the answers:



PHASE 1: REDEFINE THE AUDIENCE FOR CORE PROCESSING DATA

Contractory (C) 10/44-44

MY CU TODAY

From: To: Cc: Subje	□ no-reply@cuans	swers.com s : Honor Credit Union June 6						Sent:	Fri 6/6/2014 5:3
\bowtie	IY CU T								
			Monr	Today / oe Credit Un lerts for John Si	ion				
#	Balance Data	Area of Interest	Sunday June 8	% Change	Compared to	Compared to 30	average over la 90	st 180	366
1	Berrien Springs	Checking (\$) Balance	\$9,700,593	2.5	Wed Jun 4	\$9,647,196	\$9,698,917	\$9,698,917	\$9,698,917
2	Dowagiac	Escrow (\$) Balance	\$35,812	-2.2	Wed Jun 4	\$33,598	\$32,398	\$32,398	\$32,398
3	South Haven	Checking (\$) Balance	\$2,487,974	15.4	Wed Jun 4	\$2,095,777	\$2,186,015	\$2,186,015	\$2,186,015
#	Member Data	Area of Interest	Sunday June 8	% Change	Compared to	Compared to 30	average over la 90	st 180	366
1	Niles	Closed Mbrs Y-t-d	145	2.1	Wed Jun 4	136	106	106	106
2	South Haven	Closed Mbrs Y-t-d	98	2.1	Wed Jun 4	89	71	71	71
3	Plainwell	New Members Y-t-d	137	2.2	Wed Jun 4	119	102	102	102
4	Coldwater	Closed Mbrs Y-t-d	151	2.0	Wed Jun 4	140	112	112	112
#	Transaction Data	Area of Interest	Sunday	% Change	Compared to	Compared to	average over la	st	
#	Transaction Data	Area of Interest	June 8	% Change	Compared to	30	90	180	366
1	Saint Thomas	Shares (\$) Deposits	\$0	-100.0	Sat Jun 7	\$30,025	\$29,622	\$29,622	\$29,622
2	Saint Thomas	Shares (\$) Withdrawals	\$0	-100.0	Sat Jun 7	\$28,217	\$31,224	\$31,224	\$31,224
3	Saint Thomas	Checking (#) Deposits	0	-100.0	Sat Jun 7	78	77	77	77
4	Saint Thomas	Checking (\$) Deposits	\$0	-100.0	Sat Jun 7	\$59,802	\$65,830	\$65,830	\$65,830
5	Saint Thomas	Checking (#) Withdrawals	0	-100.0	Sat Jun 7	453	442	442	442
6	Saint Thomas	Checking (\$) Withdrawals	\$0	-100.0	Sat Jun 7	\$61,436	\$67,462	\$67,462	\$67,462
7	Saint Thomas	Certificates (\$) Deposits	\$0	-100.0	Sat Jun 7	\$4,797	\$6,309	\$6,309	\$6,309

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PHASE 1: REDEFINE THE AUDIENCE FOR CORE PROCESSING DATA

The MY CU TODA Process:

1. Sign up to build your My CU Today data warehouse

 CU*BASE EOD/BOD processes will generate daily data to send to the My CU Today data warehouse servers – a daily cumulative process, building trends

2. Manage your My CU Today web product

- Set up authorized users, configure alerts where they make sense
- 3. Develop processes and plans for your teams, your Board, your trusted vendors, and even your examiners to use My CU Today solutions
- 4. Commit to evolving this process with CU*Answers to include the data you need beyond your CU*BASE sign-ons



MY CU TODA

My CU Today Going Forward

RECENT RELEASES AND SOME GOALS FOR 2016

□ Goals for future releases:

- Improving the graphs
- Improving usability
- Improving alerts
- Improving distribution lists
- Increasing the amount of data
- General evolution of the first concepts related to My CU Today

- Improvements since last year:
 - Download graph images to your desktop
 - Choose your own 10 favorite mini-graphs
 - Add both public and private annotations to trend graphs
 - Specify additional email recipients for "Send Me Everything" Alerts
 - Access context-sensitive help

MY CU TODAY

My CU Today has a generic industry approach to the data you would find at any credit union

In the next few years, we'll focus on including more credit unions, increasing the speed and frequency of data updates, and activating a broad audience of people who focus on our industry

My CU Today Plus (It's My Data)

MIGRATING INSIDER DASHBOARDS TO THE OUTSIDE WORLD

In2016 we will rebrand *It's My Data* goals under My CU Today **Plus**

G Same intent:

- Push the value of analyzing core processing data without the risk of private member information being exposed to the web
- Capture the attention of credit union stakeholders: professionals, volunteers, and the general marketplace who are focused on your specific situation
- Make it easy to push external insights towards the people who get the work done via CU*BASE



Can you think of any dashboards you saw earlier today that would be your top 3-5 to move to the web?
TIERED SERVICES ANALYSIS: RELATIONSHIPS AND PENETRATION

elationship management of	members so	cored				D	rill down and	0 points	analysis for C	ctober 20	14 📑 🖬	6
<u></u>	10/201	1	10/201	2	10/201	3	10/201	4	Tier Points	; <=0	Tier Points	s > 0
Description	Members	%	Members	%	Members	%	Members	%	Members	%	Members	%
BASIC SERVICE	12,742	48.3	13,481	48.9	13,775	46.6	13,695	42.5	6418	19.9	7277	22.
Avg Prod Per Mbr	1.660		1.670		1.660		1.641		1.580		1.695	
Avg SVCS Per Mbr	1.260		1.460		1.440		1.983		1.364		2.529	
Household Adj 🛛 🔍												
VIP-SILVER	4,853	18.4	4,818	17.5	5,278	17.9	5,512	17.1			5512	17.
Avg Prod Per Mbr	2.770		2.780		2.760		2.615				2.615	
Avg SVCS Per Mbr	3.630		4.220		4.380		5.226				5.226	
Household Adj 🛛 🔍												
VIP-GOLD	2,954	11.2	2,936	10.6	3,193	10.8	3,667	11.4			3667	11.
Avg Prod Per Mbr	3.030		3.050		2.990		2.993				2.993	
Avg SVCS Per Mbr	2.640		3.090		3.070		4.455				4.455	
Household Adj 🛛 🔍												
VIP-PLATINUM	5,816	22.1	6,343	23.0	7,321	24.8	9,371	29.1			9371	29.
Avg Prod Per Mbr	4.630		4.610		4.530		4.465				4.465	
Avg SVCS Per Mbr	3.950		4.520		4.550		5.941					1000
Household Adj 🛛 🔯												
🛛 Total	26,365		27,578		29,567		32,245		6418		25827	- 2
Avg Prod Per Mbr	2.673		2.687		2.711		2.782		1.580		3.842	
Avg SVCS Per Mbr	2.444		2.820		2.911		3.969		1.364		6.266	
Household Adj 🛛 🔍												
Summary	Goal	1	G	Goal 2		Goal	3		Goal 4		Goal 5	

CU*BASE

		05/20	06	05/200	7	05/200	8	05/200	9	05/201	• <u> </u>	05/201 [,]	1 L	05/2012	2	05/2013	3	05/201	14
Description		Members	%	Members	%	Members	%	Members	%	Members	Г								
BASIC SERVICE		7,380	45.4	9,427	52.5	11,803	54.6	12,551	53.1	12,021	48.2	12,488	48.1	12,984	48.3	13,166	46.1	13,566	
Avg Prod Per Mbr		2.000		1.750		1.800		1.780		1.690		1.650		1.660		1.630		1.683	
Avg SVCS Per Mbr		1.000		1.210		1.290		1.350		1.150		1.200		1.400		1.360		2.025	
Household Adj	Q																		
VIP-SILVER		3,884	23.9	2,637	14.7	2,924	13.5	3,155	13.3	4,210	16.9	4,630	17.9	4,814	17.9	5,226	18.3	5,491	
Avg Prod Per Mbr		3.000		2.920		2.940		2.930		2.790		2.760		2.740		2.750		2.738	
Avg SVCS Per Mbr		2.000		3.100		3.080		3.070		3.450		3.590		4.190		4.320		5.419	
Household Adj	Q																		
VIP-GOLD		2,379	14.6	2,177	12.1	2,613	12.1	3,150	13.3	3,116	12.5	3,028	11.7	2,880	10.7	3,053	10.7	3,503	
Avg Prod Per Mbr		4.000		3.110		3.100		2.980		2.970		3.020		3.040		2.990		2.921	
Avg SVCS Per Mbr		3.000		2.240		2.080		2.060		2.270		2.570		3.130		3.090		3.848	
Household Adj	Q																		
		2,629	16.2	3,719\5	20.7	4,262	19.7	4,789	20.3	5,595	22.4	5,793	22.3	6,230	23.2	7,105	24.9	7,957	
		6.000		4.880		4.910		4.830		4.800		4.660		4.560		4.520		4.529	
er Mbr	_	5.000		3.460		3.470		3.590		3.800		3.920		4.600		4.530		5.754	
Henold Adj	Q																		
Total		16,272		17,960		21,602		23,645		24,942		25,939		26,908		28,550		30,517	
Avg Prod Per Mbr		3.177		2.735		2.725		2.711		2.733		2.680		2.672		2.700		2.757	
Avg SVCS Per Mbr		2.177		2.078		2.058		2.128		2.273		2.394		2.825		2.876		3.817	
Household Adj	Q																		

My CU Today Plus

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TIERED SERVICES ANALYSIS: RELATIONSHIPS AND PENETRATION

OAL 4: ANALYZING MEMBER SELF	-SERVICE PRODUCTS			Drill d	own unavailable	(M/E out o	of sync with TIE	RDL)	🕶 🔟
	05/201		05/201		05/2014		05/201		
Description	Members	%	Members	%	Members	%	Members	%	Comment
ATM	7,651	28.4	8,351	29.3	9,628	31.6	11,252	33.2	
Checking/Debit	7,171	26.7	8,008	28.0	9,100	29.8	10,417	30.8	
Credit Card	7,123	26.5	7,758	27.2	8,265	27.1	8,927	26.4	
Active Audio Respnse	940	3.5	924	3.2	869	2.8	895	2.6	
Active Online Bankng	9,292	34.5	10,445	36.6	11,799	38.7	13,169	38.9	
E-Stmt Enrolled	8,812	32.7	9,760	34.2	11,845	38.8	14,566	43.0	
Bill Pay Enrolled	1,318	4.9	1,841	6.4	2,334	7.6	3,069	9.1	
Valid e-Mail Address					19,325	63.3	22,378	66.1	
E-Notice Enrolled					4,167	13.7	4,116	12.2	
E-Alert Enrolled					789	2.6	923	2.7	
Mobile Text Banking					435	1.4	582	1.7	
Wrong Address					565	1.9	631	1.9	
CU Marketing Opt-in					28,475	93.3	31,334	92.5	
Third Party Mkt Opt					28,456	93.2	31,389		-
Reg E Opt-in					11,378	37.3	13,498	-	
Summary	Goal 1	Goal 2		Goal	3	Goal	4	Go	al 5

CU*BASF



My CU Today Plus

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TIERED SERVICES ANALYSIS: RELATIONSHIPS AND PENETRATION



TIERED SERVICES ANALYSIS: RELATIONSHIPS AND PENETRATION



TIERED SERVICES ANALYSIS: RELATIONSHIPS AND PENETRATION

 Comparative Tiered Scorir × C 10.150.17.1 	-				ed.					2	ж.,	. 15 3	e .								Q 5	_	← → C □ 10.150.17											100	/6 X								- □
Learn-from-Pee	r: Con	figura	tion I	Breal	kdov	vn										Z			X			^	Learn-from-Pe	er: Co	nfigu	uration	Brea	kdov	wn														
Mark CUs within 10% of m Show factors for All Goals	y O Membership	●Asset Ra	nge 📕 Hide 🔻	unmarked	peers									Clie	ck a co	lumn	Show heading		of 53 (w ava				Mark CUs within 10% of Show factors for All Goals	my OMember	hip 🌒 Ass	et Range ■⊦ ▼	lide unmarke	ed peers	•								Clic	k a colu					. Marked 2. Ie options.
Credit Union	Available Points	Spcl. Ac Accts A	counts ctive	Addl Gen Savings	Non- IRA CDs	IRA SH & CD	Money Market	Sav W/ Neg Bal	Chk W/ Neg Bal	Sav Aggr / Bal 1	Sav Aggr J Bal 2 I	Sav Aggr / Bal 3	Sav Aggr Bal 4	Sav Aggr Bal 5	Misc OTB Sav Acct	Mort Ln Cat	Equity LN Cat	All Othe LN Cat	r DLC 2 & UP		N I Igr A I 1 B	LN ggr al 2	Credit Union	Availabl Points	Spcl. Accts	Account: Active	Addl Gen Saving	Non- IRA CDs	IRA SH & CD	Money Market	Sav W/ Neg Bal	Chk W/ Neg Bal	Sav Aggr # Bal 1 E	Sav S Aggr A Bal 2 B	av Sa ggr Ag al3 Ba	av S ggr A al4 B	Sav O ggr S al 5 A	lisc DTB L Sav C	lort E Ln Cat	quity LN Cat	All L Other C LN Cat	DLQ 2& UP	LN LN Aggr Agg Bal 1 Bal
Notre Dame FCU	× Hide			1	1	1	1	-1	-1	1	1	1	1	1	1	1	1	1	-1	1	1	•	Notre Dame FCU	23	1	0	1	1	1	1	-1	-1	1	1	1	1	1	1	1	1	1	-1	1 1
Frankenmuth Credit Union	+ Unhide			20	20	20	50	-100	0	0	100	200	300	300	0	50	10	20	-30	00	0	1(Frankenmuth Credit Union	1,090	-999	0	20	20	20	50	-100	0	0	100	200 :	300	300	0	50	10	20	-300	0 1(
√Pathways Financial C U	• • • • • • • • •			0	0	0	0	-20	-20	0	5	15	25	55	0	15	15	15	-2	0	0	Ę	√Pathways Financial C U	205	10	0	0	0	0	0	-20	-20	0	5	15	25	55	0	15	15	15	-20	0 £
√Day Air CU	🕿 Avg			0	1	1	1	-1	0	0	25	50	75	100	1	50	50	20	-10	00	0	5	√Day Air CU	655	1	0	0	1	1	1	-1	0	0	25	50	75	100	1	50	50	20	-100	0 5
Alpena Alcona Area CU	O Count			0	75	50	50	0	-100	10	50	100	200	350	200	200	100	100	-30	0 2	25	5	Alpena Alcona Area CU	2,125	50	0	0	75	50	50	0	-100	10	50	100 ;	200	350	200	200	100	100	-300	25 5
Honor Credit Union	± Min			0	50	50	50	-200	0	0	50	75	150	0	0	100	75	50	-20	00	0	5	Honor Credit Union	950	50	0	0	50	50	50	-200	0	0	50	75 '	150	0	0	100	75	50	-200	0 5
Ohio Catholic FCU	∓ Max			0	75	50	50	0	-100	25	50	100	200	300	0	200	100	100	-30	0 2	25	5	Ohio Catholic FCU	1,635	10	0	0	75	50	50	0	-100	25	50	100 1	200	300	0	200	100	100	-300	25 5
Unison Credit Union	t Range			0	25	25	25	-999	0	0	100	300	600	900	0	25	25	25	-90	00 5	50	20	Unison Credit Union	2,750	100	0	0	25	25	25	-999	0	0	100	300 F	600	900	0	25	25	25	-900	50 20
CorePlus Federal CU	* Most U			0	50	25	50	-150	0	25	50	75	100	200	50	0	75	50	-20	00	0	2	CorePlus Federal CU	1,150	75	0	0	50	25	50	-150	0	25	50	75 '	100	200	50	0	75	50	-200	0 2
Heartland CU	Outliers		-	0	75	50	50	-1	-1	10	50	100	200	300	1	200	100	100	-30	00 2	25	5	Heartland CU	1,628	50	1	0	75	50	50	-1	-1	10	50	100 1	200	300	1 :	200	100	100	-300	25 5
North Central Area CU	- Outlier	s (±IQR×1	.5)	0	20	20	0	-20	-20	10	10	20	30	40	0	10	30	20	-2	0 1	10	2	North Central Area CU	430	10	0	0	20	20	0	-20	-20	10	10	20	30	40	0	10	30	20	-20	10 2
Community Credit Union	🕑 Visuali	ze .		0	25	25	25	-999	0	0	300	600	900	0	0	25	25	25	-99	99	0	3(Community Credit Union	3,075	25	0	0	25	25	25	-999	0	0	300	600 f	900	0	0	25	25	25	-999	0 30
Parkside Credit Union		- Christian - Chri		0	25	25	25	-100	0	25	50	75	100	125	0	50	50	25	-20	0 2	25	5	Parkside Credit Union	950	25	0	0	25	25	25	-100	0	25	50	75 ′	100	125	0	50	50	25	-200	25 5
Allegius Credit Union	↑ Sort As	C		0	10	10	15	-50	-50	0	25	50	100	200	0	0	50	25	-30	00	0	5	Allegius Credit Union	885	50	0	0	10	10	15	-50	-50	0	25	50 '	100	200	0	0	50	25	-300	0 5
District Govt Emp FCU	↓ Sort De	esc		0	50	50	50	0	0	10	20	30	40	50	0	100	80	60	-30	00 2	20	3	District Govt Emp FCU	800	-999	0	0	50	50	50	0	0	10	20	30	40	50	0	100	80	60	-300	20 3
Preferred Credit Union	× Sort De	efault		0	25	25	15	-50	-50	0	50	100	200	300	1	50	50	25	-30	00 5	50	1(Preferred Credit Union	1,066	50	0	0	25	25	15	-50	-50	0	50	100 1	200	300	1	50	50	25	-300	50 10
Service 1 Federal CU	550	25	0	0	0	50	0	-500	0	25	50	75	100	125	0	0	50	0	-50	0 2	25	5	Service 1 Federal CU	550	25	0	0	0	50	0	-500	0	25	50	75 '	100	125	0	0	50	0	-500	25 5
Isabella Community CU	850	50	0	0	25	25	25	-100	0	0	25	50	75	100	0	100	50	0	-20	00	0	2	Isabella Community CU	850	50	0	0	25	25	25	-100	0	0	25	50	75	100	0	100	50	0	-200	0 2
Glacier Hills CU	1,152	50	2	0	25	25	25	-50	-25	0	50	100	200	300	25	75	50	25	-30	00	0	5	Glacier Hills CU	1,152	50	2	0	25	25	25	-50	-25	0	50	100 :	200	300	25	75	50	25	-300	0 5
First Trust Credit Union	1,050	100	0	0	25	25	50	-25	0	0	25	50	75	100	0	150	0	25	-10	00 2	25	1:	First Trust Credit Union	1,050	100	0	0	25	25	50	-25	0	0	25	50	75	100	0	150	0	25	-100	25 1;
San Antonio Citizens FCU	1,250	50	0	0	50	100	50	-50	-25	0	25	50	75	100	25	25	50	75	-10	00 1	10	5	San Antonio Citizens FCU	1,250	50	0	0	50	100	50	-50	-25	0	25	50	75	100	25	25	50	75	-100	10 5
Oak Trust CU	1,575	100	0	0	25	25	50	-500	0	25	50	75	3	150	25	500	100	50	-50	0 2	25	5	Oak Trust CU	1.575	100	0	0	25	25	50	-500	0	25	50	75	100	150	25	500	100	50	-500	25 5

Interactive Learn-froma-Peer Analyses

My CU Today Plus: Where do we go from here?

- Nominate the next set of CU*BASE insider dashboards that make sense for this new user base
 - The leading contender: The new budget/modeling/historical dashboards from CU*BASE
- Consider the expansion of web tools like My CU Today Plus as the template for browser-based CU*BASE
 - Should CU*BASE insider dashboards be the first CU*Answers browserbased module? What about the CU*BASE LOS?



- What are the priorities for an examiner portal? What CU*BASE tools should we prioritize as the ones we would share with the examination community?
- What are the priorities for our Board/volunteer portals? What CU*BASE tools should we prioritize as the ones we would share with our member community?

Imagine a mobile app for interested credit union owners

Examination Innovation

WE'VE BEEN BUSY; LET'S GET AN UPDATE

IS YOUR credit union penalized by Examinations and Operating Guidelines??

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CL ANSWERS

to the rescue.

Things will never be the same. We're going to change everything. We need you to help us make the world a better place by joining the cooperative. This is the message we want to send so you know that it is time for change. You're going to remember that you read this sentence.

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the dawn of a new era

Take Control.

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BREAKING THROUGH

Things will never be the same. We're going to change everything. We need you to help us make the world a better place by joining the cooperative. This is the message we want to send so you know that it is time for change. You're going to remember that you read this sentence.

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Speaking of It's Me 247...

CORE PROCESSING DATA THAT WE SHOULD SHARE WITH MEMBERS AS PERSONAL FINANCE MANAGEMENT (PFM) DATA

CERTIFICATES DATA | I'M A BASIC MEMBER

EX: CERTIFICATE PAGE

EX: LOANS PAGE

n 😒 🗟 😨 💼 🖬 🌼 Accounts da

Loan Accounts Data

This data is based on a summary of your total Loan Accounts. Te est modo disputando, at nemore suscipit definiebas eam, iusto evertitur mnesarchum eum te. Ius movet





TOWARDS YOUR PRINCIPAL BALANCES.

ACCOUNTS DATA | I'M A BASIC MEMBER Certificate Data

This data is based on a summary of your total Certificate Accounts. Te est modo disputando, at nemore suscipit definiebas eam, iusto evertitur mnesarchum eum te lus movet melius detraxit ea, an qui rebum aperiri sententiae.



EX: CREDIT CARD

n ≈ ≈ 0 = 0	ACCOUNTS DATA I'M A BASIC MEMBER
Credit Cards Data	
This data is based on a summary of your tota disputando, at nemore suscipit definiebas ea lus movet melius detraxit ea, an qui rebum a	m, iusto evertitur mnesarchum eum te.
Percentage of Disbursement Limit	
YOU ARE AT 40% OF YOUR \$8,000 LIMIT.	
Balance Past 6 Months	Total Interest Paid
	DID YOU KNOW?
4000	
3500	
3000	
2000	

YOU HAVE PAID

TOWARDS INTEREST IN THE LAST 6 MONTHS.

EX: SHARE ACCOUNTS PAGE



EX: INVESTMENT PAGE



This data is based on a summary of your total Investment Accounts. Te est modo disputando, at nemore suscipit definiebas eam, lusto evertitur mnesarchum eum te lus movet melius detraxit ea, an qui rebum aperiri sententiae.



ACCOUNT SUMMARY | I'M A BASIC MEMBER

Share a	accounts				
Account	Name	Available Balance	Actual Balance	Last Transaction	Accrued Dividends
000	OWNERSHIP SHARE	\$1,300.00	\$1,305.00	6/7/2010	\$99.99
002	CHRISTMAS CLUB	\$34,000.00	\$34,000.00	4/1/2014	\$0.00
009	BASIC SHARE DRA	\$888,065,533.50	\$888,065,533.50	6/7/2010	\$0.00
030	SECONDARY SHARE	\$1,001.00	\$1,001.00	6/7/2010	\$0.00
031	SECONDARY SHARE	\$999,999.00	\$999,999.00	6/7/2010	\$0.00
032	SECONDARY SHARE	\$10,531.00	\$10,531.00	6/7/2010	\$0.00
033	SECONDARY SHARE	\$2,400.00	\$2,400.00	12/31/2007	\$0.00
0	ACCOUNT TOTALS	\$889,114,769.00	\$889,114,840.00	4/1/2014	\$99.99

Certifica	ites				
Account	Name	Available Balance	Actual Balance	Accrued Dividends	Maturity Date
300	LIFE SAVINGS CE	\$0.00	\$4,323.00	\$12.43	9/2/2012
301	12 MO VARIABLE	\$60.66	\$5,060.66	\$13.10	8/24/2008
302	3 MONTH CERTIFI	\$0.00	\$25,000.00	\$139.02	1/24/2008
303	60 MONTH CERTIF	\$0.00	\$100,000.00	\$614.81	11/7/2012
304	18 MONTH CERTIF	\$0.00	\$39,000.00	\$206.84	5/7/2009
305	36 MONTH CERTIF	\$0.00	\$1,000.00	\$5.16	11/9/2010
306	18 MONTH CERTIF	\$0.00	\$16,000.00	\$68.93	5/14/2009
	ACCOUNT TOTALS	\$60.66	\$206383.66	\$1060.29	

Loans						
Account	Name	Regul	ar Payment	Amount Due	Due Date	Balance
670	MORTGAGE	9	\$134.94	\$2,980.16	11/23/2007	\$2,980.16
811	RLOC		\$175.00	\$3,138.95	1/23/2008	\$3,138.95
1	ACCOUNT TOTALS		\$309.94	\$6,119.11		\$6,119.11

Credit Ca	ards				
Account	Name	Regular Payment	Amount Due	Due Date	Balance
716	VISA CLASSIC	\$56.00	\$56.00	1/25/2008	\$1,522.00
	ACCOUNT TOTALS	\$56.00	\$56.00		\$1,522.00

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How Do You Determine Who Will Engage Your Data?

IS IT YOU? GENERAL TEAM MEMBERS IN THEIR DAILY ROLES? OR SPECIALISTS?

- CEO School is about raising your awareness about the tools that are available to your organization and business plan
- Engaging these tools requires that you be the catalyst to action
 - My CU Today tools are for you...you on the move, using the devices that executives generally consider standard today
 - My CU Today tools are for your Board...give them a login ID, give them an assignment, include them in the brainstorming around data, and change their experience
 - My CU Today tools are for anyone interested in your credit unions...earn the goodwill that comes from being an open book
 - My CU Today Plus tools are the beginning of marrying informed executives with the day-to-day line staff who use these tools within CU*BASE...*team up and do more*

You are the catalyst to culture change, but it takes the initiative to force your organization to develop the muscle memory to default to data, to default to automated tools...can you do it?





Building a Collaborative Bench of Data Analysts

Launching a project to crack the riddle that seems to challenge every organization: What to do next with all the data available to us?

Where are we, and where do we go from here?

WE'VE DONE THE EASY STUFF, BUT THE EXPERTS TELL US WE HAVE A LONG WAY TO GO

Ask a targeted question	The toolkits have more ways to ask a question from databases than ever before. They serve more audiences than ever, and have more reach than many of us even want to activate.
See the potential members to contact	The toolkits present answers in more ways than before, but do we see the clues about what to do next as clearly as we should?
Act on the potential with intent: the message with the method	Our network is well on the way to having more shared resources to reach out to members than ever before. Our investments in online retailing will create more virtual contact sites than ever. Will we know what do when members respond?
Profit (you're on your own here)	While some CUs seem to profit from mastering their data, as a collective can we afford to invest so much and wait so long for people to catch on?

It's time to activate a network of analysts and drive home the value of our data and the results we can harvest with our members

Have we over-built based on our network's response?

OUR CUS LIKE THESE IDEAS, BUT CAN THEY REALISTICALLY CONSUME THESE STRATEGIES?

Show me something once and you pique my interest

- In this economy, anything data intensive sells
- In today's CU industry, CUs feel like they don't have enough information to win
- In our network, we're not sure we have enough human resources to turn information into knowledge

Show me something as it changes over time and you'll put me to work!

- We have put marketers and outbound campaigners to work, but who else?
- We see spontaneous, one-off efforts around data presentation, but it hasn't become as routine as we'd hoped
- There's debate about the data processing styles but not a lot about the art of analyzing the data

For our network to go to the next level, I think it's time we get very serious about building a bench of analysts who are focused on the return from analyzing data as their day jobs, more than on selling toolkits

Have we over-built based on our network's response?

OUR CUS LIKE THESE IDEAS, BUT CAN THEY REALISTICALLY CONSUME THESE STRATEGIES?

For you, the question may look more like this:

"For credit unions to go to the next level, I think it's time they get very serious about building a bench of analysts who are focused on the return from analyzing data as their day job, more than on selling memberships, accounts, or even convenience"

> For all of us, the trick in transitioning to new skills and business models is balancing the old with the new

When everyone is so busy fulfilling the current value proposition, can they change and see how a new one might take them to new heights?

Looking for Clues: Executive Study Boot Camp 2016

WHAT MAKES DATA VALUABLE?

- In 2016 we'll move beyond our collaboration as CEOs and include some of the most active leaders from credit union executive teams
- My goals for this boot camp will be to:
 - Define realistic roles in credit unions and our network for data analysts and their skills
 - Design a cooperative business initiative that would allow all of us to share in the benefits of an active bench of data analysts
 - Initiate profitable activities in credit unions and in our CUSO that require insights from the data and tools we already have



Can we start a race to build dozens of these initiatives? I thought by now many of you would be far ahead of my efforts

IS ACTIVE BETA WORKING?

- We never have to fear that there won't be an active and critical audience of our releases related to lending, EFT, ACH, or teller posting – there's a focus
- We've yet to achieve the same focus and constant attention to analysis from the user base
 - Things linger in Active Beta far too long

How many of the things that have come out in Active Beta have you mainstreamed into your daily operations?



MNMGMT FR (958) 11/04/15

🔀 Signoff

52

NEW DATA IS BEING CREATED...JUST SOLUTIONS LOOKING FOR A PROBLEM?

Session 0 CU*BASE GOLD - ABC TEST CREDIT UNION Let's take another look at the Net File Edit Tools Help Net Relationship Summary - As of 11/04/2015 With Participation Loans Relationships dashboard Subtract par values of \$5.00 from savings balance Relationship Members Loans Savings Net Balances % 37,823 66 15,827,710 3 496,286,992 92 480,459,282- 571-Total Net Savers With savings & loans 3,719 7 15,827,710 3 99,216,574 18 83,388,864-99 ⊁ Session 0 CU*BASE GOLD - ABC TEST CREDIT UNION With savings only 34,104 60 397,070,417 74 397,070,417- 472 File Edit Tools Help 605,422,586 40,784,681 564,637,905 Total Net Borrowers
 19,380 34 97 8 671 Account Balances by Month 40,784,681 With savings and loans 30 587,082,229 95 546,297,548 17,364 8 649 With loans only 2,016 4 18,340,356 3 18,340,356 22 Name -----SSIG Account 2584 000 SHARES Year 2015 May 18, 1995 Month EOM Balance Average Daily Balance January 1,693.26 1,537.82 Session 0 CU*BASE GOLD - Avg. EOM Balance 1,893.39 1,718.26 February 1,793.52 1,661.13 March Types CL Seq Description Average EOM Balance Average Daily Balance Current Balance April 1,993.67 1,836.85 000 00 SHARES 1,949.42 1,947.56 1,569.54 2,193.84 2.080.77 Mau 001 CHECKING 00 2,238.77 1,972.16 382.87 1,994.02 June 2,300.51 VACATION SHARES 00 439.21 488.60 183.78 Julu 2,444.20 2,216.60 026 00 VACATION SHARES 38.50 38.50 38.50 2,393.40 1,782.73 August 2,119.40 771 00 AUTO LOAN 10,594.05 8,541.78 22,802.22 September 1,419.54 . 00 .00 October November . 00 . 00 00 .00 December ,623 **4 1** 1,949.42 1,947.56 Select Averages: Neg Exclude Part Loans FR (5690) 11/04/15 Management Processing/Active Beta Tests menu ← → ↑ II ≞ & i ? @ (MNMGMT) #22 "Net Relationships Dashboard" FR (5693)

File Edit Tools Help

Concentration risk

Investor owned %

Credit score avg

Weighted avg rate

delinguent loans

% delinguent

Avg maturity months

180 160

> 60 40 20

CU owned %

Avg LTV %

Total current balance

Category

TRENDING ENGINES...IS IT WORTH OUR TIME?

- Now let's look at Concentration Risk Analysis
 - Do you define segments?
 - Do you trend segments?
 - Do you do it consistently?

Session 1 CU*BASE GOLD Edition Ē - 0 × File Edit Tools Help **Risk Analysis Selection** Net worth Ownership of # of segments defined % owned by CU between and Working with segment *None Current halances between and Interest rates between 0.000 and 0.000 Corp ID % of net worth over 0.00 Month/year to process Aug 2014 Current credit scores between and [MMYYYY] Loans opened From Jan 01 1900 [MMDDYYYY] Maturing after Aug 31, 2014 [MMDDYYYY] То # of days delinquent between and Include written off loans LTV % between and Collateral Ourrent value OPledged value Dealer code Select Loan category Select Sponsor code Select Loan purpose code Select G/L # Select Select Loan security code Select Business unit Collateral type Select Branch/location # Loan process type Select Select Loan officer ID States where collateral resider Select Member designation Select States where member resides Investor Session 0 CU*BASE GOLD Edition Loan Segment Data Compare FR (4594) 9/22/14 Jul 25, 2013 Jan 29, 2013 Limite Aug 08, 2013 May 29, 2013 158.95% 19.94% հե 60.32% 47.07% 6,834,936 2.593.927 2.024.366 857.769 1.11 C Session 0 CU*BASE GOLD Edition - 2=Select 3=Copy 4=Delete 6=Compare 9=Summary Data Captured հե Segment Name Created Days Last Date Days # BUSINESS 11/15/2012 300 8/08/2013 34 հհ DIRECT COLL 300 11/15/2012 8/08/2013 INDIRECT 8/09/2012 398 8/08/2013 34 MORTGAGES 11/15/2012 300 8/08/2013 34 REAL ESTATE 11/15/2012 300 8/08/2013 34 UNSECURED 11/15/2012 300 8/08/2013 34 ■ Select Copy Delete Compare Summary \mathbf{v} Management Analysis Dashboards 1 menu $\leftarrow \rightarrow \uparrow \parallel \blacksquare \vartheta i ? @$ (MNMGMD) #17 "Ln Portfolio Concentration Risk"

TRENDING ENGINES ON THE WAY

Coming in 2016: Loan Static Pools Analysis

- Identifying pools of accounts for consistent analysis over time
- Automating data snapshots that create trend lines
- New presentation tools for trend analysis
- New options for where the data lives

11/04/15 Sta	tic Pool Analysis S	Summary		16:43:5	3		ISPOOLLN-04 :	
<pre># Members: Individual: Organization: Loans-to-Mbrs ra Credit Score: Balance: Rates: Pmt Amt: Maturity Mths: Participation Te</pre>	Avg 692 13,533 1 6.692% 255 50	r Bal: 1 ad: 1 Dwned: High 834 1,830,050 25.000% 87,086 360	51,815,621 0 <u>Lc</u> 40 2.6 1.45	100.0% .0% 09 53- 50% 0 1	Collateral: Avg LTV%: Weighted Avg:	254,332,133 55.0%		
DLQ Loans: ** Delinque	11218 100.0% 19 .2% nt loans are define ember View F11=Col	Bal: ed as being	247,481 at least 60	.2%	lelinquer Pool S Templa Static Tracki	tatus: I te Name: Pool Name: ng Duration: 000 ot Frequency: (2	Static Pool 16:44 A=Active,I=Inactive (length in months) =Annual,Q=Quarterly	,S=Suspended)

Imagine that you create three different static pools from your loan portfolio every year, and you trend each pool with quarterly snapshots for three years...at the end of 5 years, you will have 15 pools with over 160 time slices

Who is going to do the work, report, and get a yield from this investment?



THE POTENTIAL TO EARN FROM REPORTING ON THE FOREST (LEARN FROM A PEER)

- We've built several processes to pull data from CUs (the trees), no matter which system they're on, and present them for analysis as a network (the forest)
- We have yet to put a dedicated resource on these tools, to deliver the value to our community...potential yet to be realized

3=Contact Info, 5=Compare to My	Credit Union	e counts		
S Credit Union Mbrs Alpena Alcona Area C 37353 Day Air Credit Union 33204 Frankenmuth Credit U 30767 Honor Credit Union 56921 Notre Dame Fed Credi 56301 Verve, a Credit Unio 44563	View Selection ILFPPWD-02 1 Disabled/3 Invalid signons 2 Password/PIN reset by CU 3 Password/PIN changed by CU 4 Password/PIN changed by mbr 6 Passwrd/PIN reset by mbr 7 Member changed PIN via ARU 8 Password Change Reminder 9 Mbr declined pswrd change Select analysis view: <u>1</u> F3=Backup	<u>15 4/2015 5/2015</u> 344 373 373 760 622 661	6/2015 7/2015 330 333 444 456 354 407 836 833 707 728 683 667	854 812 686 581
F17=Toggle Count/Pct	F8=Occurs by Mbrshp F9=Refresh List B KS IM II DEV.CUANSWER		F12=Password	Bottom Change Type

•

Harvester is coming...

We haven't forgotten about Optics

WE CAN DESIGN MORE TO TRAP THE DATA WE NEED



tics showing the member activity that results from activating the Credit Scores feature in It's Me 247 online king. Stats compiled October 2015. Includes an analysis of all tracker records created since the feature was ivated and all records that are currently present within the loan application file (LNAP).

<u> </u>	Credit Union A		Credit Union B	
Number of times a Member clicked on their score	1,314	3,415	1,761	
Number of times a score was present when a Member clicked on their score	1,057 (80.4%)	2,693 (78.9%)	426 (24.2%)	
Number of times a score was NOT found when a Members clicked on their score	257 (19.6%) 722 (21.1%)		1,335 (75.8%)	
Number of Unique Members that clicked	598 1,480		807	
Number of Unique Members that clicked and found a score	436 (72.9%)	1048 (70.8%)	145 (18.0%)	
Number of Unique Members that clicked and DID NOT find a score	162 (27.1%) 432 (29.2%)		662 (82.0%)	
Average clicks on Credit Score per Member that clicked at least once	2.19	2.30	2.18	
Number of Loan Applications present for the Members clicked on their credit score	152	499	140	
Dollar Amount of Loan Applications Present for the Members clicked on their credit score	\$1,863,734.05	\$6,879,864.25	\$1,639,574.38	
Number of Loan Applications with Status = L present for the Members clicked on their credit score	97	272	74	
Dollar Amount of Loan Applications with Status = L present for the Members clicked on their credit score	\$1,406,974.79	\$3,635,555.59	\$832,038.97	

56

Goal #2: Build New Databases for Insight

Optics: Non-transactional data tracking — what people do you can't see today

Introducing Call Center Optics

- Tracking every member that was helped through CU*BASE Phone Op
- Cross-referencing member activity to their call center activity
- A search for new ways to earn from answering the phone



Introducing It's Me 247 Optics

- Watch, record, and analyze the clicks in the online world
 - 1 Logged In/Out 2 - Clicked Smart Message xxxx 30 - Went to PIB 3 - Viewed Open Loan 31 - Viewed Check Image = 4 - Viewed Open Certificate 32 - Printed the Page 5 - Viewed Open Savings/ = 33 - Viewed Dividend/ Checking Interest Summary 6 - See/Jump Activity 34 - (Payverls) Created 7 - Clicked xxx Logn to open Pavee 35 - (Payverls) Paid a Bill 8 - Clicked xxx Certificate to 36 - (Powerts) Viewed Bills open 9 - Clicked xxx Savings/ = 37 - (Paryveris) Sent P2P
 - Checking to open 10 - Changed Personal
 - Information 11 - Forgot Password
 -
- 38 Viewed Messages
 39 Added check stop payment
 40 - Downloaded account

Details

These new optional databases will have associated fees and purge schedules to fit with your plan for using the data

If we design data as optional to sell to an audience of data analysts, will anyone buy it? If no one buys it, should we design it?

THERE IS AN APPETITE FOR DATA WAREHOUSES THAT EXCEEDS THE APPETITE FOR DATA ANALYSIS

Mark

your

calendar!

- What: DATA INVESTMENT SYMPOSIUM #2 A cuasterisk.com network brainstorming & strategizing session
- When: Wednesday, **February 24**, 2016 12:30p lunch, 1:15-4:30p ET
- Who: Credit union leaders focused on developing analytical approaches for credit union data, starting with CU*BASE
- Where: CU*Answers Learning Center 6000 28th Street Grand Rapids

Understanding Three Emerging Customer Personas

DO YOU SEE SOMEONE FROM YOUR TEAM IN ONE THESE SILOS? SHOULD I?

Virtual Channel Architects

CU leaders tasked with

channel solutions

and over

activating new delivery

Yesterday's web page

designer on steroids

Marketing meets tech, over

A virtual facilities manager

- Technical Solution Developers
- CU staff members and their
- coordinated contractors
 CUs building solutions for themselves, beyond custo
 - themselves, beyond custom programming
 - Time for testing, processes for certification
 - High touch calls with CUSO tech resources

External Data Warehouse Designers

- CU staff members aggregating data beyond CU*BASE and CUSO solutions
 - Database designers
 - IT facility managers
 - Data analysts

Whether or not your strategy has overtly called out these new job descriptions in your business plan, we feel the frustration of your team members as they call with these intentions

Your employees sense your data analysts need more than core data – should you build it alone, or should we change our priorities as a collective?

A Glimmer of Hope: Database Search Assistant

le Edit Tools Help						New in the 15.2 release!
Search for Datab	ase lable	s (Files) an	id Columns (Fields)		
Search for O Column Table o		table name starting w	ith	in the ON Number of t	ame ODescription ables 576	
Action	Table (File)		Table (File) Description		EOM Table (File) Name	_
View Learn More	ACCNNFLT	Blocked Account	Nicknames			
View Learn More	ACCTLIST	Last Accounts Ac	cessed By Employee II:)		
View Learn More	ACCTNM	rank p.	ount Nicknames			
View Learn More	Read a si	ummary with				
View Learn More		•				
View	-	out how the	heck Histor	Ъ		
View		is used by	curns and NO	JC		
View	CL	J*BASE	Intenance			
View Learn More			Counts (Shares and IF	≀A Shares)	EAHnmyy1	
View Learn More	ACHIST2		counts (Share Drafts/		EAHnnyy2	
View Learn More	ACHIST3		counts (Certificates)	J	EAHnmyy3	
View Learn More	ACHIST4		counts (Tax Escrow)		EAHnnyy4	
View Learn More	ACHIST5		counts (Loans - Close		EAHnnyy5	
Vicor Learn More	ACHIST6		counts (Loans - Line	of Credit)	EAHnmyy6	
View		ACH Warehoused T			CU*BASE Repo	rt Builder 1 (MNQURY)
View See what I		loyee ID Acco	_			se Search Assistant
View data are	in this	Itional Signe	ers (Application)			
data t	able				ተ ቀ	

Why I Want to Spend Big Bucks to Build a New SRS

BECAUSE THE AUTOMATION OF WHAT WE KNOW IS THE KEY TO A BRIGHT FUTURE

- If we want to revolutionize our response to member needs, we need for our processes to respond more quickly to what data means and to what we can do with it
 - Who to market to, and how
 - Who we're doing business with, and how to protect ourselves (abnormal activity databases)
 - How to adjust our model to fit our members' changing lives
 - How to streamline processes to improve the employee and member experience
 - How to respond effectively to examiners and auditors
 - How to involve the customer-owner in the businesses they own
 - How to extend our value proposition through virtual networks, anywhere and at any time
 - How to earn more with less, move faster at a lower price, and improve our chances of long-term survival

In our guts we know that finding a way to use data more effectively in the future is the key to that future...are we spending enough today to ensure we find our way forward?

Why I Want to

BECAUSE THE AUTOMATIO

- - Who w
 - How to ad
 - How to stream
 - How to respo
 - How to inv
 - How to
 - Ho

This is not a build-or-buy challenge

Either way, you must **invest to consume** data, field a team that will use it, and learn from using it if you want to succeed in the future

Let's build a network of accomplished practitioners



t any time ces of long-term survival

bases)

t finding a way to use data more s the key to that future...are we sure we find our way forward?

spond





WRAP-UP

Also in your packet...







Are you tracking the It's Me 247

bill pay rollout?

Keep an eye on

the Kitchen

This is not an engagement that comes with a standard template. We will learn specifically what your confl usion has done in the past, along with your than and long term gook. We likeway your vision for the credit arrow, and how you gian by get there. We can also aribbe the expectise of the many facets of the industry that we are involved in su surst you. This is no intermediate the exercise of the direct scale of the many facets of the industry that we are involved in the direct scale. This is no intermediate facets. tand copy documentation of findings and re-We limit the availability of this offering to only two creations per month for the remainder of 2015.

Click here to request a price quote!

Sign up today! CU*Answers Manager 6000 28th Street St Grand Rapids, MI 46546 (800) 327-3478 kdaniel@cumurers.com pata.seineingar@cumers







Join us!

- After you leave here you can participate online for the balance of the year
 - Dashboard Dives
 - Active Beta Study Group



Thanks for the day!

Now to get ready for tonight's networking session...

Question #2: Have you developed a job description and a budget for a data analyst to work directly with your team? If the CUSO had a shared resource solution for data analytics (much like SRS Bookkeeping), name 1-3 things you might purchase from this new service. Question #1: Have you implemented processes with your executive team or Board to use **My CU Today** as an active tool for general awareness, brainstorming sessions, or your leadership regimen?

Cocktails begin at 5:00!